DIGITAL INTEGRATED CIRCUIT D.A.T.A.BOOK

MANY CATEGORIES INCLUDING:

- GATES
- COUNTERS
- FLIP FLOPS
- CLOCKS
- TIME DELAYS
- DECODERS

Plus ... Drivers ... Arithmetic Circuits
... A/D, D/A & Logic Converters, Multiplexers, Encoders, etc ...

AUTUMN 1974

19th EDITION

THIS D.A.T.A.BOOK VALID UNTIL JANUARY 1975

D.A.T.A. REFERENCE STANDARDS FOR INDUSTRY

D.A.T.A., INC.
A Cordura Company

DIGITAL INTEGRATED CIRCUIT D.A.T.A.BOOK

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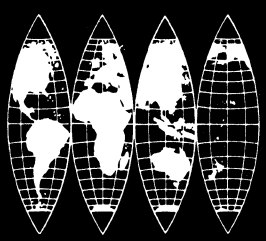

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EDITORIAL POLICY & PROCEDURES

Purpose

This D.A.T.A.BOOK is designed to report comprehensively on what is presently being produced throughout the free world in the field of Digital IC devices. While a book such as this can not provide 100% of the information you might need, its primary aims are those of facilitating the selection of types suitable to your technical requirements, and of directing you to the sources of their manufacture.

Technical Data Acquisition

D.A.T.A. acquires and processes the information presented in this D.A.T.A.BOOK with the cooperation of the participating manufacturers who supply us with their latest technical information. Manufacturers are not charged for the listing of their products.

JEDEC Type Numbers

The electrical, mechanical and environmental characteristics tabulated for the standard 1N Array and 6N Circuit type numbers are derived directly from the JEDEC registration releases. The particular manufacturer or manufacturers for whom such types are registered are so indicated by the use of a symbol next to their manufacturer codes in the Type No. Cross-Index. In general, the JEDEC-designated types produced by the various manufacturers whether registered or not, do conform with the registered specifications; however, there may be exceptions, and it is recommended that the individual manufacturers be consulted.

Military Type Numbers

The electrical, mechanical and environmental information tabulated for the military types in the technical sections is derived directly from the applicable military specifications and standards. The source information, showing the particular manufacturers qualified for each type, is derived from the QPL (Qualified Parts List) associated with the governing specification, or from the manufacturers Qualification Test Letters.

Substitute Types And Compatibility

This D.A.T.A.BOOK can not truly claim to be an interchangeability chart; however, because of the sequencing arrangement of selected characteristics in the technical sections, types with the same or similar characteristics are grouped together. For purposes of replacement, this means of thorough, convenient technical comparison should prove superior to, and safer than, a mere listing of possible substitute type numbers.

Price And Availability

Because of the rapidly-changing and complex nature of this field, current price and delivery information should be obtained direct from the manufacturers. The list of manufacturers and the Local Offices Section in back of the book will assist you in this.

Manufacturers' Specifications

This book includes currently-manufactured devices with their major characteristics, drawings and manufacturers. Every effort is made to ensure the accuracy of the entries herein; however, the publisher can not be held responsible nor guarantee against the possibility of error or omission. Only the manufacturers or their authorized representatives can provide you with complete technical details and current prices.

HOW TO MAKE MAXIMUM USE OF THIS D.A.T.A.BOOK

To make maximum use of this D.A.T.A.BOOK, select the particular known-unknown situation below that defines your problem, and follow the instructions as indicated.

1	KNOWN: Electrical and Mechanical Requirements UNKNOWN: Suitable Type Numbers a. Turn to the Table of Contents (first page) and select the technical data section corresponding to the subject device type. b. Turn to any page in the selected section. Note the sequencing parameters (those characteristics for which the data is sequenced) indicated at the top corner of the page. c. Using the sequencing parameters, locate the type numbers that are in general agreement with your requirements. (Because of the sequencing arrangement, these types will appear together, in groups and sub-groups.) From among these, select the one or ones most suitable. d. To identify the manufacturer of the selected type number(s), follow the instructions in Block 2 below.
2	KNOWN: Type Number UNKNOWN: Manufacturer(s), Address, Local Offices a. Turn to Type No. Cross-Index (Section 3) and locate the subject type number. (Refer to 'HOW TYPE NUMBERS ARE SEQUENCED IN THE TYPE NUMBER CROSS-INDEX'.) b. Note the 3- or 4-letter manufacturer's code(s), e.g., TII, GESY indicated for each of the subject types. c. Use the listing of 'MANUFACTURERS & THEIR CODES' in back of the book to identify the codes. (Note: Local offices for manufacturers shown in bold print on this listing are identified in a special section in back of the book.)
3.	KNOWN: Type Number UNKNOWN: Its Electrical Characteristics, And/Or Logic and Outline Drawings a. Turn to Type No. Cross-Index and locate the subject type number. b. Note the page and line number, e.g., 70-104, alongside the type number. c. Locate the type number as noted, in the technical sections. (Note: Along with the electrical and performance characteristics listed for each type number are references to the logic and outline drawings, located in Section 12 and Section 13, respectively.)
4	KNOWN: Type Number UNKNOWN: Equivalent Types for Replacement a. Follow the instructions in Block 3 above. b. Survey the type numbers surrounding the subject number to determine the suitable alternatives.
5	KNOWN: Military Requirements UNKNOWN: Suitable Type Number(s) a. Follow the instructions in Block 1, to determine the general type numbers that meet the military requirements. From among these, select the military types by means of the identifying prefix (M38510). b. To identify the manufacturers, follow the instructions in Block 6.
6	KNOWN: Military Type Number UNKNOWN: Qualified Manufacturers And/Or Applicable Military Specification a. Turn to Section 11A (TYPES WITH U. S. MILITARY SPECIFICATIONS), and locate the subject type number. (Type numbers are arranged in alpha-numeric order.) b. Note the manufacturer's code(s) and detail specification listed next to the type number. (The detail specification added to the general specification indicated in the column heading for the detail specification, makes up the complete military specification for the subject device.) c. Use the listing of MANUFACTURERS & THEIR CODES in back of the book to identify the manufacturer code(s).
7	KNOWN: Type Number Not Included In Book UNKNOWN: What Happened To It? a. Consult D.A.T.A.BOOK OF DISCONTINUED INTEGRATED CIRCUITS.

To present a maximum amount of information in a minimum amount of space, use is made in this book of the following data modifiers:

POWERS-OF-TEN MULTIPLIERS

The powers-of-ten multipliers shown below are used in numeric columns when the value being entered is many times greater or smaller than the units of measure indicated in the column heading. Usually, the latter are the so-called 'basic' units; such as V (volts), A (amperes) and s (seconds). The multipliers and an explanation of their use are given below:

MULTIPLIERS

PREFIXES & SYMBOLS Indicating Powers of Ten — Recommended by International Committee on Weights and Measures Adopted by National Bureau of Standards

Power	Prefix	Symbol	Power	Prefix	Symbol	Power	Prefix	Symbol
10^{12}	tera	T	10	deka	da	10^{-9}	nano	n
10^{9}	giga	G	10^{-1}	deci	d	10^{-12}	pico	p
10^{6}	mega	M	10^{-2}	centi	c	10^{-15}	femto	f
10^{3}	kilo	k	10^{-3}	milli	m	10^{-18}	atto	a
10^{2}	hecto	h	10^{-6}	micro	μ			

EXPLANATION

Value of Data To Be Entered	Basic Unit In Column Heading	Actual Entry
3 milliamperes	A (amperes)	3.0m
9 megaohms	Ω (ohms)	9.0M
0.5 volt	V (volts)	500m *
10 amperes	A (amperes)	10

* May also be written as 0.5, with no multiplier

SYMBOLS & CODES

Symbols — Symbols such as #, ^, and $ are used in all columns, numeric or otherwise, whenever the data entries differ in some way from the entity defined in the column heading. For instance, if a given heading specifies Max. Power (in Watts) and the numeric value being entered for a given type represents the minimum power instead, the variance is denoted by the appearance of a special symbol alongside the numeric entry.

NOTE: The symbols and codes used herein are explained on the cards in back of the book.

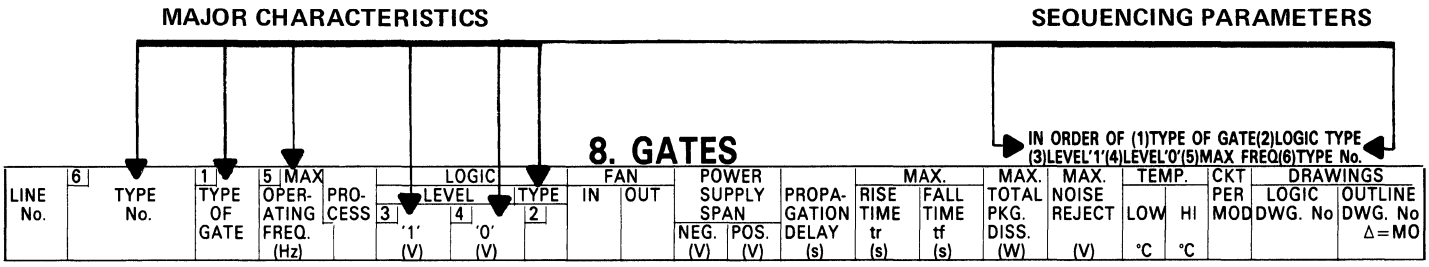
Codes — Codes are used in some columns as means to abbreviate the data being entered. The codes may be alphabetic (A,B,C, etc.) numeric (1,2,3, etc.) or some combination of both.

HOW TYPE NUMBERS ARE SEQUENCED IN THE TYPE NUMBER CROSS-INDEX

Sequencing of type numbers in the Type Number Cross-Index is governed by the following rules:	EXAMPLES
Rules: 1) Type numbers are listed in numeric-alphabetic sequence; i.e., type numbers beginning with a number (decimal, fraction, or whole) precede type numbers beginning with a letter.	13A01 143 1202 A147 AN127 B2000
2) Decimals and fractions precede whole numbers. An equivalent decimal precedes the fraction when the remainder of type number is identical.	25Z150 1/4Z150 3/4M12Z 1T3
3) Zeros are ignored in sequencing except when the zero is the only basis for distinguishing one type number from another. In this case the type number containing the zero is listed first.	0112 112 0113 00115 AP01 AP1 AP02
4) Number and/or letter groupings preceding hyphens or slashes are the controlling factors in sequencing. The hyphens and slashes themselves precede any identically positioned letters also having the same beginning number/letter groupings.	66-0706 66M1 70/10 70A9

NOTE: LOGIC TYPE IS NOW A MAJOR SEQUENCE PARAMETER TO FACILITATE LOGIC SYSTEM DESIGN

The arrangement of types in the technical sections is keyed to a set of special characteristics selected for their importance from among the general group of characteristics tabulated in each section. These selected characteristics, or sequencing parameters, differ from one section to another, and are identified at the top corner of each page, as shown in the sample below.



The different types within a section are first arranged in ascending numeric (or alphabetic) order of the first such parameter. Groups of types having a common value for the first parameter are then arranged in ascending order of the second parameter. This process continues for each parameter in turn, up to and including the last parameter which, in every instance, is the type number itself. The final arrangement, by type number, is done in accordance with the sequencing of type numbers in the cross-index, as explained on the preceding page.

A simplified model of the arrangement as described is shown below.

4 Type Number	Characteristics 1 A	2 B	C	3 D
A13	100		325	
A4	100		1000	20
A9	100	A	20	25
A10	100	A	200	25
A3	100	B	40	15
A1	100	C	80	10
A8	100	C	900	15
A7	100	D	35	30
A11	110	A	60	25
A2	120	A	300	15
A5	120	B	150	20
A6	120	B	200	20
A12	120	B	475	25
	Last Seq. Par.	1st Seq. Par.	2nd Seq. Par.	(Not Seq.)	3rd Seq. Par.

Note that the absence of an entry for any sequencing parameter is regarded as a zero, and precedes any actual entries in the sequencing.

3. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	Pg&Line
1N5768	ΔTII	182- 81
1N5769	ΔTII	182- 41
1N5770	ΔTII	182- 82
1N5771	ΔTII	182- 42
1N5772	ΔTII	182- 83
1N5773	ΔTII	182- 43
1N5774	ΔTII	182- 84
1N5775	ΔTII	182- 44
6N126	ΔTII	102- 23
6N127	ΔTII	102- 24
6N128	ΔTII	124- 22
6N129	ΔTII	124- 23
6N130	ΔTII	124- 24
6N131	ΔTII	124- 25
6N132	ΔTII	124- 26
6N133	ΔTII	38- 11
33	♦SSE	165- 26
54R00	RTN	120- 70
54R02	RTN	97- 84
54R11	RTN	83- 5
54R40	RTN	120- 71
54R64	RTN	88- 62
54R74	RTN	59- 35
54R112	RTN	48- 87
54R113	RTN	48- 88
54R114	RTN	48- 89
54R140	RTN	176- 54
54R174	RTN	59- 19
54R175	RTN	59- 20
54R181	RTN	191- 67
54R192	RTN	61- 12
54R193	RTN	64- 54
74R00	RTN	120- 72
74R02	RTN	97- 85
74R40	RTN	120- 73
74R74	RTN	59- 36
74R112	RTN	48- 90
74R113	RTN	48- 91
74R114	RTN	48- 92
74R174	RTN	59- 21
74R175	RTN	59- 22
74R181	RTN	191- 68
74R192	RTN	61- 13
74R193	RTN	64- 55
93L01DC	AMV	71- 61
	FSC	
93L01DM	AMV	71- 63
	FSC	
93L01FC	FSC	78- 89
93L01FM	AMV	71- 64
	FSC	
93L01PC	AMV	71- 52
93L08DC	AMV	194- 13
	FSC	
93L08DM	AMV	194- 14
	FSC	
93L08FC	FSC	193- 48
93L08FM	AMV	194- 15
	FSC	
93L08PC	AMV	193- 62
93L09DC	AMV	185- 80
	FSC	
93L09DM	AMV	185- 83
	FSC	
93L09FC	FSC	185- 37
93L09FM	AMV	185- 84
	FSC	
93L09PC	AMV	185- 59
93L10DC	AMV	61-103
	FSC	
93L10DM	AMV	61-104
	FSC	
93L10FM	AMV	61-105
	FSC	
93L10PC	AMV	61-106
93L11DC	AMV	71- 62
	FSC	
93L11DM	AMV	71- 65
	FSC	
93L11FC	FSC	78- 90
93L11FM	AMV	71- 66
	FSC	
93L11PC	AMV	71- 53
93L12DC	AMV	185- 81
	FSC	
93L12DM	AMV	185- 85
	FSC	
93L12FC	FSC	185- 38
93L12FM	♦AMV	185- 86
	FSC	
93L12PC	AMV	185- 60
93L14DC	AMV	193- 57
	FSC	
93L14DM	AMV	193- 58
	FSC	
93L14FM	AMV	193- 59
	FSC	
93L14PC	AMV	193- 60
93L16DC	AMV	65- 45
	FSC	
93L16DM	AMV	65- 46
	FSC	
93L16FM	AMV	65- 47
	FSC	
93L16PC	AMV	65- 48
93L18DC	AMV	194- 71
	FSC	
93L18DM	AMV	194- 72
	FSC	
93L18FM	AMV	194- 73
	FSC	
93L18PC	AMV	194- 74
93L21DC	♦AMV	71- 54
	FSC	
93L21DM	♦AMV	71- 55
	FSC	
93L21FM	♦AMV	71- 56
	FSC	
93L21PC	♦AMV	71- 57
93L22DC	AMV	185- 82
	FSC	
93L22DM	AMV	185- 87
	FSC	
93L22FC	FSC	185- 39
93L22FM	AMV	185- 88
	FSC	
93L22PC	AMV	185- 61
93L24DC	AMV	191- 92
	FSC	
93L24DM	AMV	191- 93
	FSC	
93L24FM	AMV	191- 94
	FSC	
93L24PC	AMV	191- 95
93L40DC	AMV	190-105
93L40DM	AMV	190-106
93L40FM	AMV	190-107
93L40PC	AMV	190-108
93L41DC	AMV	190-109
93L41DM	AMV	190-110
93L41FM	AMV	191- 1
93L41PC	AMV	191- 2
93L60DC	AMV	61-108
93L60DM	AMV	61-109
93L60FM	AMV	61-110
93L60PC	AMV	62- 1
93L66DC	AMV	70- 16
93L66DM	AMV	70- 17
93L66FM	AMV	70- 18
93L66PC	AMV	70- 19
96L02DC	AMV	138- 14
96L02DM	AMV	138- 15
96L02FM	AMV	138- 16
96L02PC	AMV	138- 17
301AL	TSC	106- 11
301BL	TSC	106- 12
301CJ	♦TSC	106-102
301CL	TSC	106- 13
301ML	TSC	106- 14
302AL	TSC	106- 15
302BL	TSC	106- 16
302CJ	♦TSC	106- 17
302CL	TSC	106- 18
302ML	TSC	106- 19
303AL	TSC	106- 20
303BL	TSC	106- 21
303CJ	♦TSC	106-101
303CL	TSC	106- 22
303ML	TSC	106- 23
311AJ	TSC	40-103
311AL	TSC	40-104
311BL	TSC	40-105
311CJ	♦TSC	40-110
311CL	TSC	40-106
311ML	TSC	40-107
312AJ	TSC	40- 90
312AL	TSC	40- 91
312BL	TSC	40- 92
312CJ	♦TSC	40-109
312CL	TSC	40- 93
312ML	TSC	40- 94
313AJ	TSC	40- 95
313AL	TSC	40- 96
313BL	TSC	40- 97
313CJ	TSC	40- 98
313CL	TSC	40- 99
313ML	TSC	40-100
315-8	♦HBC	143- 27
315-10	♦HBC	143- 28
315-11	♦HBC	143- 29
315-12	♦HBC	143- 30
315BCD	♦HBC	143- 31
321AJ	TSC	106- 24
321AL	TSC	106- 25
321BL	TSC	106- 26
321CJ	♦TSC	106-103
321CL	TSC	106- 27
321ML	TSC	106- 28
322AJ	TSC	106- 29
322AL	TSC	106- 30
322BL	TSC	106- 31
322CJ	♦TSC	106-104
322CL	TSC	106- 32
322ML	TSC	106- 33
323AJ	TSC	106- 34
323AL	TSC	106- 35
323BL	TSC	106- 36
323CJ	♦TSC	106- 37
323CL	TSC	106- 38
323ML	TSC	106- 39
324AJ	TSC	106- 40
324AL	TSC	106- 41
324BL	TSC	106- 42
324CJ	♦TSC	106- 99
324CL	TSC	106- 43
324ML	TSC	106- 44
325AJ	TSC	106- 45
325AL	TSC	106- 46
325BL	TSC	106- 47
325CJ	♦TSC	106-105
325CL	TSC	106- 48
325ML	TSC	106- 49
326AJ	TSC	106- 50
326AL	TSC	106- 51
326BL	TSC	106- 52
326CJ	♦TSC	106-100
326CL	TSC	106- 53
326ML	TSC	106- 54
331AJ	TSC	131- 92
331AL	TSC	131- 93
331BL	TSC	131- 94
331CJ	♦TSC	131- 24
331CL	TSC	131- 95
331ML	TSC	131- 96
332AJ	TSC	123-108
332AL	TSC	123-109
332BL	TSC	123-110
332CJ	TSC	124- 1
332CL	TSC	124- 2
332ML	TSC	124- 3
333AL	TSC	124- 4
333BL	TSC	124- 5
333CJ	TSC	124- 6
333CL	TSC	124- 7
333ML	TSC	124- 8
334AJ	TSC	159- 54
334AL	TSC	159- 55
334BL	TSC	159- 56
334CJ	TSC	159- 57
334CL	TSC	159- 58
334ML	TSC	159- 59
335AL	TSC	159- 60
335BL	TSC	159- 61
335CJ	TSC	159- 62
335CL	TSC	159- 63
335ML	TSC	159- 64
341AJ	TSC	84- 64
341AL	TSC	84- 65
341BL	TSC	84- 66
341CJ	♦TSC	128- 91
341CL	TSC	84- 67
341ML	TSC	84- 68
342AJ	TSC	137- 67
342AL	TSC	137- 68
342BL	TSC	137- 69
342CJ	♦TSC	137- 80
342CL	TSC	137- 70
342ML	TSC	137- 71
343AJ	TSC	192- 44
343AL	TSC	192- 45
343BL	TSC	192- 46
343CJ	TSC	192- 47
343CL	TSC	192- 48
343ML	TSC	192- 49
344AJ	TSC	84- 69
344AL	TSC	84- 70
344BL	TSC	84- 71
344CJ	TSC	84- 72
344CL	TSC	84- 73
344ML	TSC	84- 74
347AJ	TSC	137- 72
347AL	TSC	137- 73
347BL	TSC	137- 74
347CJ	TSC	137- 75
347CL	TSC	137- 76
347ML	TSC	137- 77
350AJ	♦TSC	190- 25
350AL	♦TSC	190- 26
350BL	TSC	190- 27
350CJ	♦TSC	190- 28
350CL	♦TSC	190- 29
350ML	♦TSC	190- 30
351AJ	♦TSC	190- 31
351AL	♦TSC	190- 32
351BL	TSC	190- 33
351CJ	♦TSC	190- 34
351CL	♦TSC	190- 35
351ML	TSC	190- 36
361AJ	TSC	151- 57
361AL	TSC	151- 58
361BL	TSC	151- 59
361CJ	♦TSC	151- 54
361CL	TSC	151- 60
361ML	TSC	151- 61
362AJ	TSC	151- 62
362AL	TSC	151- 63
362BL	TSC	151- 64
362CJ	♦TSC	151- 55
362CL	TSC	151- 65
362ML	TSC	151- 66
363AJ	TSC	151- 67
363AL	TSC	151- 68
363BL	TSC	151- 69
363CJ	TSC	151- 70
363CL	TSC	151- 71
363ML	TSC	151- 72
367AJ	♦TSC	162- 17
367AL	♦TSC	162- 18
367BL	TSC	162- 19
367CJ	♦TSC	162- 20
367CL	♦TSC	162- 21
367ML	♦TSC	162- 22
368AJ	♦TSC	162- 23
368AL	♦TSC	162- 24
368BL	TSC	162- 25
368CJ	♦TSC	162- 26
368CL	♦TSC	162- 27
368ML	TSC	162- 28
370AJ	TSC	55- 76
370AL	TSC	55- 77
370BL	TSC	55- 78
370CJ	♦TSC	55- 85
370CL	TSC	55- 79
370ML	TSC	55- 80
371AJ	TSC	61- 61
371AL	TSC	61- 62
371BL	TSC	61- 63
371CJ	♦TSC	61- 35
371CL	TSC	61- 64
371ML	TSC	61- 65
372AJ	TSC	70- 6
372AL	TSC	70- 7
372BL	TSC	70- 8
372CJ	♦TSC	61- 36
372CL	TSC	70- 9
372ML	TSC	70- 10
373AJ	TSC	61- 55
373AL	TSC	61- 56
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Δ-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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△-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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Δ-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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Δ-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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Δ-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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Δ-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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Δ-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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ITT	MOTA	110- 43
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ITT	MOTA	110- 44
JANM38510/00101BCA		
ITT	MOTA	110- 45
JANM38510/00101BCB		
ITT	MOTA	110- 46
SIC	TII	
JANM38510/00101BCC		
ITT	SIC	110- 47
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SIC	TII	110- 48
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SIC	TII	110- 49
JANM38510/00101CAA		
ITT	MOTA	110- 50
JANM38510/00101CAB		
ITT	MOTA	110- 51
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ITT	SIC	110- 52
JANM38510/00101CCA		
ITT	MOTA	110- 53
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SIC	TII	
JANM38510/00101CCC		
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SIC	TII	110- 56
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SIC	TII	110- 57
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ITT	MOTA	110- 58
JANM38510/00102BAB		
ITT	MOTA	110- 59
JANM38510/00102BAC		
ITT	MOTA	110- 60
JANM38510/00102BCA		
ITT	MOTA	110- 61
JANM38510/00102BCB		
ITT	MOTA	110- 62
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JANM38510/00102BCC		
ITT	SIC	110- 63
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JANM38510/00102BDC		
SIC	TII	110- 65
JANM38510/00102CAA		
ITT	MOTA	110- 66
JANM38510/00102CAB		
ITT	MOTA	110- 67
JANM38510/00102CAC		
ITT	MOTA	110- 68
JANM38510/00102CCA		
ITT	MOTA	110- 69
JANM38510/00102CCB		
ITT	SIC	110- 70
SIC	TII	
JANM38510/00102CCC		
ITT	SIC	110- 71
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SIC	TII	110- 72
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SIC	TII	110- 73
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JANM38510/00103BAB		
ITT	MOTA	111- 1
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ITT		111- 2
JANM38510/00103BCA		
	MOTA	111- 3
JANM38510/00103BCB		
ITT	MOTA	111- 4
SIC	TII	
JANM38510/00103BCC		
ITT	SIC	111- 5
JANM38510/00103BDB		
SIC	TII	111- 6
JANM38510/00103BDC		
SIC		111- 7
JANM38510/00103CAA		
ITT	MOTA	111- 8
JANM38510/00103CAB		
ITT	MOTA	111- 9
JANM38510/00103CAC		
ITT		111- 10
JANM38510/00103CCA		
	MOTA	111- 11
JANM38510/00103CCB		
ITT	MOTA	111- 12
SIC	TII	
JANM38510/00103CCC		
ITT	SIC	111- 13
JANM38510/00103CDB		
SIC	TII	111- 14
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ITT	MOTA	111- 16
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ITT	MOTA	111- 17
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Δ-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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JANM38510/00104BDB		
	SIC	TII 111 - 22
JANM38510/00104BDC		
	SIC	111 - 23
JANM38510/00104CAA		
	ITT	MOTA 111 - 24
JANM38510/00104CAB		
	ITT	MOTA 111 - 25
JANM38510/00104CAC		
	ITT	111 - 26
JANM38510/00104CCA		
	MOTA	111 - 27
JANM38510/00104CCB		
	ITT	MOTA 111 - 28
	SIC	TII
JANM38510/00104CCC		
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JANM38510/00104CDB		
	SIC	TII 111 - 30
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	ITT	154 - 18
JANM38510/00105BAC		
	ITT	NSC 154 - 19
JANM38510/00105BCA		
	ITT	154 - 20
JANM38510/00105BCB		
	ITT	NSC 154 - 21
	SIC	TII
JANM38510/00105BCC		
	ITT	SIC 154 - 22
JANM38510/00105BDB		
	SIC	TII 154 - 23
JANM38510/00105BDC		
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	ITT	154 - 26
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	ITT	NSC 154 - 27
JANM38510/00105CCB		
	ITT	NSC 154 - 28
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	ITT	SIC 154 - 36
JANM38510/00108BDB		
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JANM38510/00108BDC		
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	ITT	NSC 43 - 63
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△-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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JANM38510/01009BCB	MOTA	76 - 46
JANM38510/01009BCC	MOTA	76 - 47
JANM38510/01009BDB	TII	76 - 48
JANM38510/01009CAA	MOTA	76 - 49
JANM38510/01009CAB	MOTA	76 - 50
JANM38510/01009CAC	MOTA	76 - 51
JANM38510/01009CCA	MOTA	76 - 52
JANM38510/01009CCB	MOTA	76 - 53
JANM38510/01009CCC	MOTA	76 - 54
JANM38510/01009CDB	TII	76 - 55
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JANM38510/01101BJC	SIC	191 - 29
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JANM38510/01101CJB	MOTA TII	191 - 32
JANM38510/01101CJC	SIC	191 - 33
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JANM38510/01201BAC	ITT MOTA	138 - 32
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Δ-Registered with JEDEC by this manufacturer

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JANM38510/01301CCB	ITT SIC TII	69 - 84
JANM38510/01301CCC	ITT SIC	69 - 85
JANM38510/01301CDB	SIC TII	69 - 86
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JANM38510/01302BCC	ITT SIC	65 - 61
JANM38510/01302BDB	SIC TII	65 - 62
JANM38510/01302BDC	SIC	65 - 63
JANM38510/01302CCB	ITT SIC TII	65 - 64
JANM38510/01302CCC	ITT SIC	65 - 65
JANM38510/01302CDB	SIC TII	65 - 66
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JANM38510/01601BCA	MOTA	80 - 92
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JANM38510/01601BDB	TII	80 - 95
JANM38510/01601CAA	MOTA	80 - 96
JANM38510/01601CAB	MOTA	80 - 97
JANM38510/01601CAC	MOTA	80 - 98
JANM38510/01601CCA	MOTA	81 - 1
JANM38510/01601CCB	MOTA TII	81 - 2
JANM38510/01601CCC	MOTA	81 - 3
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JANM38510/01602BAB	MOTA	81 - 6
JANM38510/01602BAC	MOTA	81 - 7
JANM38510/01602BCA	MOTA	81 - 8
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JANM38510/02003CAA	NSC	109 - 1
JANM38510/02003CAC	NSC	109 - 2
JANM38510/02003CCB	NSC	109 - 3
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JANM38510/02004BAC	NSC	109 - 6
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JANM38510/02004CAA	NSC	109 - 9
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JANM38510/02101BAC	NSC	53 - 18
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JANM38510/02101CAA	NSC	53 - 20
JANM38510/02101CAC	NSC	53 - 21
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JANM38510/02102BAC	NSC	42 - 96
JANM38510/02102BCB	NSC	42 - 97
JANM38510/02102CAA	NSC	42 - 98
JANM38510/02102CAC	NSC	42 - 99
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JANM38510/02103CAA	NSC	43 - 1
JANM38510/02103CAC	NSC	43 - 2
JANM38510/02104BAA	NSC	43 - 3
JANM38510/02104BAC	NSC	43 - 4
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JANM38510/02104CAC	NSC	43 - 6
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JANM38510/02105CAA	NSC	56 - 48
JANM38510/02105CAC	NSC	56 - 49
JANM38510/02105CCB	NSC	56 - 50
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JANM38510/02201BAB	ITT	45 - 10
JANM38510/02201BAC	ITT	45 - 11
JANM38510/02201BCB	ITT SIC	45 - 12
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JANM38510/02201BDB	SIC	45 - 14
JANM38510/02201BDC	SIC	45 - 15
JANM38510/02201CAA	ITT	45 - 16
JANM38510/02201CAB	ITT	45 - 17
JANM38510/02201CAC	ITT	45 - 18
JANM38510/02201CCB	ITT SIC	45 - 19
JANM38510/02201CCC	ITT SIC	45 - 20
JANM38510/02201CDB	SIC	45 - 21
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JANM38510/02202BAB	ITT	45 - 24
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JANM38510/02202BCC	ITT SIC	45 - 27
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JANM38510/02202CAA	ITT	45 - 30
JANM38510/02202CAB	ITT	45 - 31
JANM38510/02202CAC	ITT	45 - 32
JANM38510/02202CCB	ITT SIC TII	45 - 33
JANM38510/02202CCC	ITT SIC	45 - 34
JANM38510/02202CDB	SIC TII	45 - 35
JANM38510/02202CDC	SIC	45 - 36
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JANM38510/02203BAB	ITT	57 - 88
JANM38510/02203BAC	ITT	57 - 89
JANM38510/02203BCB	ITT SIC TII	57 - 90
JANM38510/02203BCC	ITT SIC	57 - 91
JANM38510/02203BDB	SIC TII	57 - 92
JANM38510/02203BDC	SIC	57 - 93
JANM38510/02203CAA	ITT	57 - 94
JANM38510/02203CAB	ITT	57 - 95
JANM38510/02203CAC	ITT	58 - 1
JANM38510/02203CCB	ITT SIC TII	58 - 2
JANM38510/02203CCC	ITT SIC	58 - 3
JANM38510/02203CDB	SIC TII	58 - 4
JANM38510/02203CDC	SIC	58 - 5
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JANM38510/02301BAB	ITT	112 - 52
JANM38510/02301BAC	ITT	112 - 53
JANM38510/02301BCB	ITT SIC	112 - 54
JANM38510/02301BCC	ITT SIC	112 - 55
JANM38510/02301BDB	SIC	113 - 1
JANM38510/02301BDC	SIC	113 - 2
JANM38510/02301CAA	ITT	113 - 3
JANM38510/02301CAB	ITT	113 - 4
JANM38510/02301CAC	ITT	113 - 5
JANM38510/02301CCB	ITT SIC	113 - 6
JANM38510/02301CCC	ITT SIC	113 - 7
JANM38510/02301CDB	SIC	113 - 8
JANM38510/02301CDC	SIC	113 - 9
JANM38510/02302BAA	ITT	113 - 10
JANM38510/02302BAB	ITT	113 - 11
JANM38510/02302BAC	ITT	113 - 12
JANM38510/02302BCB	SIC	113 - 13
JANM38510/02302BCC	SIC	113 - 14
JANM38510/02302BDB	SIC	113 - 15
JANM38510/02302BDC	SIC	113 - 16
JANM38510/02302CAA	ITT	113 - 17
JANM38510/02302CAB	ITT	113 - 18
JANM38510/02302CAC	ITT	113 - 19
JANM38510/02302CCB	SIC	113 - 20
JANM38510/02302CCC	SIC	113 - 21
JANM38510/02302CDB	SIC	113 - 22
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JANM38510/02303BAA	ITT	113 - 24
JANM38510/02303BAB	ITT	113 - 25
JANM38510/02303BAC	ITT	113 - 26
JANM38510/02303BCB	SIC	113 - 27
JANM38510/02303BCC	SIC	113 - 28
JANM38510/02303BDB	SIC	113 - 29
JANM38510/02303BDC	SIC	113 - 30
JANM38510/02303CAA	ITT	113 - 31
JANM38510/02303CAB	ITT	113 - 32
JANM38510/02303CAC	ITT	113 - 33
JANM38510/02303CCB	SIC	113 - 34
JANM38510/02303CCC	SIC	113 - 35
JANM38510/02303CDB	SIC	113 - 36
JANM38510/02303CDC	SIC	113 - 37
JANM38510/02304BAA	ITT	113 - 38
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JANM38510/02304BAC	ITT	113 - 40
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JANM38510/02304BDB	SIC	113 - 43
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JANM38510/02304CAC	ITT	113 - 47
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JANM38510/02304CCC	SIC	113 - 49
JANM38510/02304CDB	SIC	113 - 50
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JANM38510/02305BAC	ITT	155 - 42
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JANM38510/02305BCC	SIC	155 - 44
JANM38510/02305BDB	SIC	155 - 45
JANM38510/02305BDC	SIC	155 - 46
JANM38510/02305CAA	ITT	155 - 47
JANM38510/02305CAB	ITT	155 - 48
JANM38510/02305CAC	ITT	155 - 49
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JANM38510/02305CCC	SIC	155 - 51
JANM38510/02305CDB	SIC	155 - 52
JANM38510/02305CDC	SIC	155 - 53
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JANM38510/02306BCB	MOTA TII	113 - 53
JANM38510/02306BDB	TII	113 - 54
JANM38510/02306CAB	MOTA	113 - 55
JANM38510/02306CCB	MOTA TII	114 - 1
JANM38510/02306CDB	TII	114 - 2
JANM38510/02307BAB	MOTA	114 - 3
JANM38510/02307BCB	MOTA TII	114 - 4
JANM38510/02307CAB	MOTA	114 - 5
JANM38510/02307CCB	MOTA TII	114 - 6
JANM38510/02401BAA	MOTA	114 - 7
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JANM38510/03002CAA		
	MOTA	153 - 19
JANM38510/03002CAB		
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	FSC MOTA	104 - 17
JANM38510/03004CAA		
	MOTA	104 - 18
JANM38510/03004CAB		
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JANM38510/03004CCA		
	MOTA	104 - 20
JANM38510/03004CCB		
	FSC MOTA	104 - 21
JANM38510/03005BAA		
	MOTA	104 - 22
JANM38510/03005BAB		
	MOTA	104 - 23
JANM38510/03005BCA		
	MOTA	104 - 24
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	FSC MOTA	104 - 25
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△-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

3. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line
MC412F	♦MOTA	121- 34	MC515F	♦MOTA	49- 27	MC696L	♦MOTA	177- 10	MC801G	♦MOTA	163- 71	MC855L,P%	♦MOTA	40- 56
MC412L,P%	♦MOTA	121- 35	MC516F	♦MOTA	49- 28	MC696P	♦MOTA	177- 11	MC802G	♦MOTA	53- 11	MC856F	♦MOTA	40- 57
MC413F	♦MOTA	53- 42	MC516L	♦MOTA	49- 29	MC700F	♦MOTA	152- 59	MC803F	♦MOTA	101- 75	MC856L,P%	♦MOTA	40- 58
MC413L,P%	♦MOTA	53- 43	MC519F	♦MOTA	176- 45	MC700G	♦MOTA	152- 60	MC803G	♦MOTA	101- 76	MC857F	♦MOTA	105- 70
MC414F	♦MOTA	53- 81	MC519L	♦MOTA	176- 46	MC701G	♦MOTA	163- 91	MC804F	♦MOTA	150- 83	MC857L,P%	♦MOTA	105- 71
MC414L,P%	♦MOTA	53- 82	MC520F	♦MOTA	88- 90	MC702G	♦MOTA	53- 12	MC804G	♦MOTA	150- 84	MC858F	♦MOTA	105- 72
MC415F	♦MOTA	49- 19	MC520L	♦MOTA	99-106	MC703F	♦MOTA	101- 94	MC805F	♦MOTA	55- 22	MC858L,P%	♦MOTA	105- 73
MC415L,P%	♦MOTA	49- 20	MC521F	♦MOTA	53- 55	MC703G	♦MOTA	101- 95	MC805G	♦MOTA	55- 23	MC861F	♦MOTA	105- 57
MC416F	♦MOTA	49- 21	MC521L	♦MOTA	53- 56	MC704F	♦MOTA	150- 92	MC806F	♦MOTA	55- 7	MC861G	♦MOTA	105- 58
MC416L,P%	♦MOTA	49- 22	MC522F	♦MOTA	59- 9	MC704G	♦MOTA	150- 93	MC806G	♦MOTA	55- 8	MC861L,P%	♦MOTA	105- 59
MC419F	♦MOTA	176- 41	MC522L	♦MOTA	59- 10	MC705F	♦MOTA	55- 24	MC807F	♦MOTA	101- 77	MC862F	♦MOTA	105- 60
MC419L,P%	♦MOTA	176- 42	MC523F	♦MOTA	48- 13	MC705G	♦MOTA	55- 25	MC807G	♦MOTA	101- 78	MC862G	♦MOTA	123-106
MC420F	♦MOTA	88- 77	MC523L	♦MOTA	48- 14	MC706F	♦MOTA	55- 13	MC808F	♦MOTA	150- 76	MC862L,P%	♦MOTA	105- 61
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MC421F	♦MOTA	53- 51	MC524L	♦MOTA	48- 16	MC707F	♦MOTA	101- 96	MC809F	♦MOTA	152- 25	MC863G	♦MOTA	123-107
MC421L,P%	♦MOTA	53- 52	MC526F	♦MOTA	83- 6	MC707G	♦MOTA	101- 97	MC809G	♦MOTA	152- 26	MC863L,P%	♦MOTA	105- 63
MC422F	♦MOTA	59- 5	MC526L	♦MOTA	83- 7	MC708F	♦MOTA	150- 94	MC810F	♦MOTA	101- 55	MC864P	♦MOTA	129- 21
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MC427L	♦MOTA	82-100	MC551F	♦MOTA	88- 91	MC712G	♦MOTA	150- 97	MC814G	♦MOTA	101- 80	MC876F	♦MOTA	41- 50
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MC456L,P%	♦MOTA	121- 41	MC560F	♦MOTA	133- 88	MC721G	♦MOTA	132- 37	MC822F	♦MOTA	41- 48	MC887P	♦MOTA	50-104
MC457F	♦MOTA	121- 42	MC560L	♦MOTA	133- 89	MC722F	♦MOTA	41- 80	MC822G	♦MOTA	41- 49	MC888F	♦MOTA	100- 31
MC457L,P%	♦MOTA	121- 43	MC561F	♦MOTA	133- 90	MC722G	♦MOTA	41- 81	MC822P	♦MOTA	41- 68	MC888P	♦MOTA	100- 33
MC458F	♦MOTA	121- 44	MC561L	♦MOTA	133- 91	MC722P	♦MOTA	41- 52	MC824AP	♦MOTA	95- 31	MC889AP	♦MOTA	158- 61
MC458L,P%	♦MOTA	121- 45	MC562F	♦MOTA	121- 70	MC723F	♦MOTA	41- 85	MC824F	♦MOTA	95- 5	MC889F	♦MOTA	152- 40
MC459F	♦MOTA	134-101	MC562L	♦MOTA	121- 71	MC723G	♦MOTA	41- 86	MC824P	♦MOTA	95- 21	MC889P	♦MOTA	152- 46
MC459L,P%	♦MOTA	134-102	MC563F	♦MOTA	53- 48	MC723P	♦MOTA	41- 70	MC825F	♦MOTA	95- 6	MC890F	♦MOTA	41- 64
MC460F	♦MOTA	133- 80	MC563L	♦MOTA	53- 49	MC724AP	♦MOTA	95- 30	MC825P	♦MOTA	95- 22	MC890P	♦MOTA	41- 76
MC460L,P%	♦MOTA	133- 81	MC564F	♦MOTA	53- 87	MC724F	♦MOTA	101-102	MC826F	♦MOTA	41- 66	MC891F	♦MOTA	41- 65
MC461F	♦MOTA	133- 82	MC564L	♦MOTA	53- 88	MC724P	♦MOTA	95- 13	MC826G	♦MOTA	41- 67	MC891P	♦MOTA	41- 77
MC461L,P%	♦MOTA	133- 83	MC565F	♦MOTA	49- 30	MC725F	♦MOTA	101-103	MC826P	♦MOTA	41- 75	MC892F	♦MOTA	95- 1
MC462F	♦MOTA	121- 46	MC565L	♦MOTA	49- 31	MC725P	♦MOTA	95- 14	MC827F	♦MOTA	152- 38	MC892P	♦MOTA	95- 15
MC462L,P%	♦MOTA	121- 47	MC566F	♦MOTA	49- 32	MC726F	♦MOTA	41- 87	MC827G	♦MOTA	152- 39	MC893F	♦MOTA	95- 2
MC463F	♦MOTA	53- 44	MC566L	♦MOTA	49- 33	MC726G	♦MOTA	41- 88	MC828F	♦MOTA	101- 57	MC893P	♦MOTA	95- 16
MC463L,P%	♦MOTA	53- 45	MC569F	♦MOTA	176- 47	MC726P	♦MOTA	41- 71	MC828G	♦MOTA	101- 58	MC896F	♦MOTA	147- 93
MC464F	♦MOTA	53- 83	MC569L	♦MOTA	176- 48	MC727F	♦MOTA	152- 57	MC829F	♦MOTA	101-108	MC896P	♦MOTA	147- 90
MC464L,P%	♦MOTA	53- 84	MC570F	♦MOTA	88- 94	MC727G	♦MOTA	152- 58	MC829G	♦MOTA	101-109	MC897F	♦MOTA	190- 89
MC465F	♦MOTA	49- 23	MC570L	♦MOTA	99-110	MC728F	♦MOTA	126- 31	MC830F	♦MOTA	105- 44	MC897P	♦MOTA	190- 85
MC465L,P%	♦MOTA	49- 24	MC571F	♦MOTA	53- 57	MC728G	♦MOTA	126- 32	MC830G	♦MOTA	105- 45	MC898F	♦MOTA	100- 28
MC466F	♦MOTA	49- 25	MC571L	♦MOTA	53- 58	MC729F	♦MOTA	101- 85	MC830L,P%	♦MOTA	105- 46	MC898P	♦MOTA	100- 29
MC466L,P%	♦MOTA	49- 26	MC572F	♦MOTA	59- 11	MC729G	♦MOTA	101- 86	MC832F	♦MOTA	105- 47	MC899F	♦MOTA	152- 41
MC469F	♦MOTA	176- 43	MC572L	♦MOTA	59- 12	MC764P	♦MOTA	129- 20	MC832G	♦MOTA	105- 48	MC899G	♦MOTA	152- 42
MC469L,P%	♦MOTA	176- 44	MC573F	♦MOTA	48- 17	MC767AP	♦MOTA	194- 42	MC832L,P%	♦MOTA	105- 49	MC899P	♦MOTA	152- 28
MC470F	♦MOTA	88- 85	MC573L	♦MOTA	48- 18	MC767P	♦MOTA	193- 31	MC833F	♦MOTA	131- 36	MC900F	♦MOTA	152- 29
MC470L,P%	♦MOTA	88- 86	MC574F	♦MOTA	48- 19	MC770P	♦MOTA	72- 75	MC833G	♦MOTA	131- 37	MC900G	♦MOTA	152- 30
MC471F	♦MOTA	53- 53	MC574L	♦MOTA	48- 20	MC771F	♦MOTA	129- 26	MC833L,P%	♦MOTA	131- 38	MC901G	♦MOTA	163- 70
MC471L,P%	♦MOTA	53- 54	MC576F	♦MOTA	83- 8	MC771P	♦MOTA	129- 27	MC834F	♦MOTA	158- 51	MC902G	♦MOTA	53- 10
MC472F	♦MOTA	59- 7	MC576L	♦MOTA	83- 9	MC775F	♦MOTA	150- 70	MC834L,P%	♦MOTA	158- 52	MC903F	♦MOTA	101- 59
MC472L,P%	♦MOTA	59- 8	MC577F	♦MOTA	82-107	MC775P	♦MOTA	150- 86	MC835F	♦MOTA	158- 69	MC903G	♦MOTA	101- 60
MC473F	♦MOTA	48- 9	MC577L	♦MOTA	82-108	MC776F	♦MOTA	41- 84	MC835L,P%	♦MOTA	158- 70	MC904F	♦MOTA	150- 80
MC473L,P%	♦MOTA	48- 10	MC578F	♦MOTA	134- 78	MC776P	♦MOTA	41- 69	MC836F	♦MOTA	158- 53	MC904G	♦MOTA	150- 81
MC474F	♦MOTA	48- 11	MC578L	♦MOTA	134- 79	MC777P	♦MOTA	65- 30	MC836L,P%	♦MOTA	158- 54	MC905F	♦MOTA	55- 19
MC474L,P%	♦MOTA	48- 12	MC579F	♦MOTA	158-105	MC778F	♦MOTA	56- 31	MC837F	♦MOTA	158- 55	MC905G	♦MOTA	55- 20
MC476F	♦MOTA	83- 12	MC579L	♦MOTA	158-106	MC778P	♦MOTA	56- 28	MC837L,P%	♦MOTA	158- 56	MC906F	♦MOTA	54-105
MC476L,P%	♦MOTA	83- 13	MC660L,P%	♦MOTA	107- 3	MC779P	♦MOTA	50-105	MC838F	♦MOTA	61- 51	MC906G	♦MOTA	55- 1
MC477F	♦MOTA	82-103	MC661L,P%	♦MOTA	107- 4	MC780P	♦MOTA	68- 58	MC838L,P%	♦MOTA	61- 52	MC907F	♦MOTA	101- 61
MC477L,P%	♦MOTA	82-104	MC662L,P%	♦MOTA	107- 5	MC781G	♦MOTA	100- 37	MC839F	♦MOTA	69- 60	MC907G	♦MOTA	101- 62
MC478F	♦MOTA	134- 74	MC663L,P%	♦MOTA	41- 3	MC782G	♦MOTA	41- 82	MC839L,P%	♦MOTA	69- 61	MC908F	♦MOTA	150- 72
MC478L,P%	♦MOTA	134- 75	MC664L,P%	♦MOTA	52- 91	MC783F	♦MOTA	55- 10	MC840F	♦MOTA	158- 71	MC908G	♦MOTA	150- 73
MC479F	♦MOTA	158-101	MC665L,P%	♦MOTA	161- 6	MC783P	♦MOTA	55- 11	MC840L,P%	♦MOTA	158- 72	MC909F	♦MOTA	152- 23
MC479L,P%	♦MOTA	158-102	MC666L,P%	♦MOTA	161- 62	MC784F	♦MOTA	55- 16	MC841F	♦MOTA	158- 73	MC909G	♦MOTA	152- 24
MC500F	♦MOTA	121- 48	MC667L,P%	♦MOTA	136- 37	MC784P	♦MOTA	55- 17	MC841L,P%	♦MOTA	158- 74	MC910F	♦MOTA	101- 51
MC500L	♦MOTA	121- 49	MC668L,P%	♦MOTA	107- 6	MC785AP	♦MOTA	132- 41	MC843G	♦MOTA	151- 20	MC910G	♦MOTA	101- 52
MC501F	♦MOTA	88- 87	MC669L,P%	♦MOTA	131- 99	MC785F	♦MOTA	132- 38	MC844F	♦MOTA	105- 50	MC911F	♦MOTA	102- 7
MC501L	♦MOTA	99-103	MC670L,P%	♦MOTA	107- 7	MC785P	♦MOTA	132- 23	MC844G	♦MOTA	105- 51	MC911G	♦MOTA	102- 8
MC502F	♦MOTA	121- 50	MC671L,P%	♦MOTA	107- 8	MC786F	♦MOTA	132- 39	MC844L,P%	♦MOTA	105- 52	MC912F	♦MOTA	150- 74
MC502L	♦MOTA	121- 51	MC672L,P%	♦MOTA	107- 9	MC786P	♦MOTA	132- 24	MC845F	♦MOTA	54- 64	MC912G	♦MOTA	150- 75
MC503F	♦MOTA	123- 49	MC673L,P%	♦MOTA	84- 75	MC787P	♦MOTA	50-103	MC845G	♦MOTA	54- 65	MC913F	♦MOTA	56- 21
MC503L	♦MOTA	123- 50	MC674L,P%	♦MOTA	84- 76	MC788F	♦MOTA	100- 35	MC845L,P%	♦MOTA	54- 66	MC913G	♦MOTA	56- 22
MC504F	♦MOTA	88- 88	MC675L,P%	♦MOTA	165- 46	MC788P	♦MOTA	100- 34	MC846F	♦MOTA	105- 53	MC914F	♦MOTA	101- 63
MC504L	♦MOTA	99-104	MC676L	♦MOTA	72- 86	MC789AP	♦MOTA	158- 60	MC846G	♦MOTA	158- 57	MC914G	♦MOTA	101- 64
MC505F	♦MOTA	88- 89	MC676P	♦MOTA	72- 87	MC789F	♦MOTA	152- 61	MC846L,P%	♦MOTA	105- 54	MC915F	♦MOTA	101- 65
MC505L	♦MOTA	99-105	MC677L	♦MOTA	160- 1	MC789P	♦MOTA	152- 43	MC847F	♦MOTA	131- 39	MC915G	♦MOTA	101- 66
MC506F	♦MOTA	121- 52	MC677P	♦MOTA	160- 2	MC790F	♦MOTA	41- 89	MC847L,P%	♦MOTA	131- 40	MC916F	♦MOTA	41- 54
MC506L	♦MOTA	121- 53	MC678L	♦MOTA	160- 3	MC790P	♦MOTA	41- 72	MC848F	♦MOTA	54- 67	MC916G	♦MOTA	41- 55
MC507F	♦MOTA	121- 54	MC678P	♦MOTA	160- 4	MC791F	♦MOTA	41- 83	MC848G	♦MOTA	54- 68	MC917F	♦MOTA	94-100
MC507L	♦MOTA	121- 55	MC679BL,P%	♦MOTA	162- 35	MC791P	♦MOTA	41- 73	MC848L,P%	♦MOTA	54- 69	MC918F	♦MOTA	94-101
MC508F	♦MOTA	121- 56	MC679L,P%	♦MOTA	162- 36	MC792F	♦MOTA	95- 27	MC849F	♦MOTA	105- 55	MC918G	♦MOTA	94-102
MC508L	♦MOTA	121- 57	MC680L,P%	♦MOTA	160- 5	MC792P	♦MOTA	95- 18	MC849G	♦MOTA	158- 58	MC919F	♦MOTA	94-103
MC509F	♦MOTA	134-103	MC681L,P%	♦MOTA	160- 6	MC793F	♦MOTA	95- 28	MC849L,P%	♦MOTA	105- 56	MC920F	♦MOTA	41- 40
MC509L	♦MOTA	134-104	MC682L	♦MOTA	194- 62	MC793P	♦MOTA	95- 19	MC850F	♦MOTA	52- 77	MC920G	♦MOTA	41- 41
MC510F	♦MOTA	133- 84	MC682P	♦MOTA	194- 63	MC796P	♦MOTA	147- 92	MC850G	♦MOTA	52- 78	MC921F	♦MOTA	132- 6
MC510L	♦MOTA	133- 85	MC683L,P%	♦MOTA	129- 4	MC797F	♦MOTA	190- 87	MC850L,P%	♦MOTA	52- 79	MC921G	♦MOTA	132- 7
MC511F	♦MOTA	133- 86	MC684L	♦MOTA	68- 52	MC797P	♦MOTA	190- 88	MC851F	♦MOTA	137- 59	MC922F	♦MOTA	41- 42
MC511L	♦MOTA	133- 87	MC684P	♦MOTA	68- 53	MC798F	♦MOTA	100- 36	MC851G	♦MOTA	137- 60	MC922G	♦MOTA	41- 43
MC512F	♦MOTA	121- 58	MC685L	♦MOTA	65- 21	MC798P	♦MOTA	100- 32	MC851L,P%	♦MOTA	137- 61	MC924F	♦MOTA	95- 3
MC512L	♦MOTA	121- 59	MC685P	♦MOTA	65- 22	MC799F	♦MOTA	152- 62	MC852F	♦MOTA	40- 51	MC925F	♦MOTA	95- 4
MC513F	♦MOTA	53- 46	MC688L	♦MOTA	41- 1	MC799G	♦MOTA	152- 63	MC852L,P%	♦MOTA	40- 52	MC926F	♦MOTA	41- 59
MC513L	♦MOTA	53- 47	MC688P	♦MOTA	41- 2	MC799P	♦MOTA	152- 44	MC853F	♦MOTA	40- 53	MC926G	♦MOTA	41- 60
MC514F	♦MOTA	53- 85	MC689L,P%	♦MOTA	160- 7	MC800F	♦MOTA	152- 36	MC853L,P%	♦MOTA	40- 54	MC927F	♦MOTA	152- 31
MC514L	♦MOTA	53- 86	MC690L,P%	♦MOTA	160- 8	MC800G	♦MOTA	152- 37	MC855F	♦MOTA	40- 55	MC927G	♦MOTA	152- 32

Δ-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

3. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	Pg&Line
MC928F	♦MOTA	101- 53
MC928G	♦MOTA	101- 54
MC929F	♦MOTA	101-106
MC929G	♦MOTA	101-107
MC930F	♦MOTA	105- 18
MC930G	♦MOTA	105- 19
MC930L	♦MOTA	105- 20
MC931F	♦MOTA	54- 55
MC932F	♦MOTA	105- 21
MC932G	♦MOTA	105- 22
MC932L	♦MOTA	105- 23
MC933F	♦MOTA	131- 41
MC933G	♦MOTA	131- 42
MC933L	♦MOTA	131- 43
MC934F	♦MOTA	158- 38
MC934L	♦MOTA	158- 39
MC935F	♦MOTA	158- 75
MC935L	♦MOTA	158- 76
MC936F	♦MOTA	158- 40
MC936L	♦MOTA	158- 41
MC937F	♦MOTA	158- 42
MC937L	♦MOTA	158- 43
MC938F	♦MOTA	61- 48
MC938L	♦MOTA	61- 49
MC939F	♦MOTA	69- 58
MC939L	♦MOTA	69- 59
MC940F	♦MOTA	158- 77
MC940L	♦MOTA	158- 78
MC941F	♦MOTA	158- 79
MC941L	♦MOTA	158- 80
MC943G	♦MOTA	151- 15
MC944F	♦MOTA	105- 24
MC944G	♦MOTA	105- 25
MC944L	♦MOTA	105- 26
MC945F	♦MOTA	54- 56
MC945G	♦MOTA	54- 57
MC945L	♦MOTA	54- 58
MC946F	♦MOTA	105- 27
MC946G	♦MOTA	158- 44
MC946L	♦MOTA	105- 28
MC947F	♦MOTA	131- 44
MC947L	♦MOTA	131- 45
MC948F	♦MOTA	54- 70
MC948G	♦MOTA	54- 59
MC948L	♦MOTA	54- 71
MC949F	♦MOTA	105- 29
MC949G	♦MOTA	158- 45
MC949L	♦MOTA	105- 30
MC950F	♦MOTA	52- 74
MC950G	♦MOTA	52- 75
MC950L	♦MOTA	52- 76
MC951F	♦MOTA	137- 55
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MC952F	♦MOTA	40- 38
MC952L	♦MOTA	40- 39
MC953F	♦MOTA	40- 40
MC953L	♦MOTA	40- 41
MC955F	♦MOTA	40- 42
MC955L	♦MOTA	40- 43
MC956F	♦MOTA	40- 44
MC956L	♦MOTA	40- 45
MC957F	♦MOTA	105- 74
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MC958F	♦MOTA	105- 76
MC958L	♦MOTA	105- 77
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MC961L	♦MOTA	105- 33
MC962F	♦MOTA	105- 34
MC962G	♦MOTA	123-104
MC962L	♦MOTA	105- 35
MC963F	♦MOTA	105- 36
MC963G	♦MOTA	123-105
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MC974G	♦MOTA	41- 56
MC975F	♦MOTA	150- 82
MC976F	♦MOTA	41- 44
MC978F	♦MOTA	56- 23
MC981G	♦MOTA	100- 25
MC982G	♦MOTA	41- 45
MC983F	♦MOTA	55- 21
MC984F	♦MOTA	55- 2
MC985F	♦MOTA	132- 13
MC986F	♦MOTA	132- 14
MC988F	♦MOTA	100- 30
MC989F	♦MOTA	152- 33
MC990F	♦MOTA	41- 57
MC991F	♦MOTA	41- 58
MC992F	♦MOTA	95- 7
MC993F	♦MOTA	95- 8
MC996F	♦MOTA	147- 91
MC997F	♦MOTA	190- 86
MC998F	♦MOTA	100- 26
MC999F	♦MOTA	152- 34
MC999G	♦MOTA	152- 35
MC1001P	♦MOTA	92- 90
MC1002P	♦MOTA	92- 91
MC1003P	♦MOTA	92- 92
MC1004P	♦MOTA	92- 93
MC1005P	♦MOTA	92- 94
MC1006P	♦MOTA	92- 95
MC1007P	♦MOTA	94- 17
MC1008P	♦MOTA	94- 18
MC1009P	♦MOTA	94- 19
MC1010P	♦MOTA	94- 20
MC1011P	♦MOTA	94- 21
MC1012P	♦MOTA	94- 22
MC1013P	♦MOTA	41- 19
MC1014P	♦MOTA	52- 94
MC1015P	♦MOTA	52- 95
MC1016P	♦MOTA	52- 96
MC1017P	♦MOTA	160- 64
MC1018P	♦MOTA	160- 65
MC1019P	♦MOTA	147- 94
MC1020P	♦MOTA	177- 26
MC1021P	♦MOTA	190- 90
MC1022P	♦MOTA	55- 88
MC1023P	♦MOTA	179- 19
MC1024P	♦MOTA	92- 96
MC1025P	♦MOTA	131-100
MC1026P	♦MOTA	179- 24
MC1027P	♦MOTA	41- 10
MC1028P	♦MOTA	185- 13
MC1029P	♦MOTA	163- 82
MC1030P	♦MOTA	129- 5
MC1031P	♦MOTA	130-105
MC1032P	♦MOTA	41- 7
MC1033P	♦MOTA	52- 97
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MC1035P	♦MOTA	161- 75
MC1038P	♦MOTA	185- 14
MC1039P	♦MOTA	160- 66
MC1040P	♦MOTA	193- 33
MC1042P	♦MOTA	71- 31
MC1043F	♦MOTA	72- 61
MC1043P	♦MOTA	71- 33
MC1044P	♦MOTA	71- 29
MC1045P	♦MOTA	162- 83
MC1046P	♦MOTA	192- 61
MC1047P	♦MOTA	80- 41
MC1048P	♦MOTA	107- 24
MC1050F	♦MOTA	94- 23
MC1051F	♦MOTA	94- 24
MC1052F	♦MOTA	94- 25
MC1059P	♦MOTA	147- 95
MC1062P	♦MOTA	94- 26
MC1063P	♦MOTA	94- 27
MC1065P	♦MOTA	177- 22
MC1066P	♦MOTA	177- 23
MC1067P	♦MOTA	160- 67
MC1068P	♦MOTA	160- 68
MC1070P	♦MOTA	193- 34
MC1201F	♦MOTA	92- 80
MC1201L	♦MOTA	92- 97
MC1202F	♦MOTA	92- 81
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MC1203F	♦MOTA	92- 82
MC1203L	♦MOTA	92- 99
MC1204F	♦MOTA	92- 83
MC1204L	♦MOTA	92-100
MC1205F	♦MOTA	92- 84
MC1205L	♦MOTA	92-101
MC1206F	♦MOTA	92- 85
MC1206L	♦MOTA	92-102
MC1207F	♦MOTA	94- 28
MC1207L	♦MOTA	94- 29
MC1208F	♦MOTA	94- 30
MC1208L	♦MOTA	94- 31
MC1209F	♦MOTA	94- 32
MC1209L	♦MOTA	94- 33
MC1210F	♦MOTA	94- 34
MC1210L	♦MOTA	94- 35
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MC1211L	♦MOTA	94- 37
MC1212F	♦MOTA	94- 38
MC1212L	♦MOTA	94- 39
MC1213F	♦MOTA	41- 20
MC1213L	♦MOTA	41- 21
MC1214F	♦MOTA	52- 98
MC1214L	♦MOTA	52- 99
MC1215F	♦MOTA	52-100
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MC1216F	♦MOTA	52-102
MC1216L	♦MOTA	52-103
MC1217F	♦MOTA	160- 69
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MC1218F	♦MOTA	160- 71
MC1218L	♦MOTA	160- 72
MC1219F	♦MOTA	147- 96
MC1219L	♦MOTA	147- 97
MC1220F	♦MOTA	177- 27
MC1220L	♦MOTA	177- 28
MC1221F	♦MOTA	190- 91
MC1221L	♦MOTA	190- 92
MC1222F	♦MOTA	55- 89
MC1222L	♦MOTA	55- 90
MC1223F	♦MOTA	179- 20
MC1223L	♦MOTA	179- 21
MC1224F	♦MOTA	92-103
MC1224L	♦MOTA	92-104
MC1225F	♦MOTA	131-101
MC1225L	♦MOTA	131-102
MC1226F	♦MOTA	179- 25
MC1226L	♦MOTA	179- 26
MC1227F	♦MOTA	41- 11
MC1227L	♦MOTA	41- 12
MC1228F	♦MOTA	185- 15
MC1228L	♦MOTA	185- 16
MC1229F	♦MOTA	163- 83
MC1229L	♦MOTA	163- 84
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MC1909F	♦MOTA	90- 19
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MC2003F	♦MOTA	122- 61
MC2003L,P%	♦MOTA	122- 62
MC2004F	♦MOTA	88- 54
MC2004L,P%	♦MOTA	88- 55
MC2005F	♦MOTA	122- 63
MC2005L,P%	♦MOTA	122- 64
MC2006F	♦MOTA	134- 60
MC2006L,P%	♦MOTA	134- 61
MC2007F	♦MOTA	122- 65
MC2007L,P%	♦MOTA	122- 66
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MC2011L,P%	♦MOTA	120- 30
MC2012F	♦MOTA	88- 5
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MC2016F	♦MOTA	158- 83
MC2016L,P%	♦MOTA	158- 84
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MC2023L,P%	♦MOTA	48- 22
MC2024F	♦MOTA	48- 23
MC2024L,P%	♦MOTA	48- 24
MC2025F	♦MOTA	51- 98
MC2025L,P%	♦MOTA	51- 99
MC2026F	♦MOTA	51-100
MC2026L,P%	♦MOTA	51-101
MC2028F	♦MOTA	50- 30
MC2028L,P%	♦MOTA	50- 31
MC2050F	♦MOTA	88- 58
MC2050L,P%	♦MOTA	88- 59
MC2051F	♦MOTA	122- 67
MC2051L,P%	♦MOTA	122- 68
MC2052F	♦MOTA	134- 62
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MC2053F	♦MOTA	122- 69
MC2053L,P%	♦MOTA	122- 70
MC2054F	♦MOTA	88- 60
MC2054L,P%	♦MOTA	88- 61
MC2055F	♦MOTA	122- 71
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MC2061F	♦MOTA	120- 31
MC2061L,P%	♦MOTA	120- 32
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MC2062L,P%	♦MOTA	88- 8
MC2063F	♦MOTA	89- 8
MC2063L,P%	♦MOTA	89- 9
MC2065F	♦MOTA	176- 96
MC2065L,P%	♦MOTA	176- 97
MC2066F	♦MOTA	158- 85
MC2066L,P%	♦MOTA	158- 86
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MC2112F	♦MOTA	88- 9
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MC2126F	♦MOTA	51- 92
MC2126L	♦MOTA	51- 93
MC2128F	♦MOTA	50- 34
MC2128L	♦MOTA	50- 35
MC2150F	♦MOTA	89- 13
MC2150L	♦MOTA	100- 8
MC2151F	♦MOTA	122- 83
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MC2152F	♦MOTA	134- 70
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MC2153F	♦MOTA	122- 85
MC2153L	♦MOTA	122- 86
MC2154F	♦MOTA	89- 14
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MC2157F	♦MOTA	122- 89
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MC2161L	♦MOTA	119- 62
MC2162F	♦MOTA	88- 11
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MC2163F	♦MOTA	89- 15
MC2163L	♦MOTA	100- 10
MC2165F	♦MOTA	176- 98
MC2165L	♦MOTA	176- 99
MC2166F	♦MOTA	158- 95
MC2166L	♦MOTA	158- 96
MC2173F	♦MOTA	48- 33
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MC2174F	♦MOTA	48- 35
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MC2175F	♦MOTA	51- 94
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MC3000L,P%	♦MOTA	119- 64
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MC3001L,P%	♦MOTA	82- 88
MC3002F	♦MOTA	97- 53
MC3002L,P%	♦MOTA	97- 54
MC3003F	♦MOTA	90- 85
MC3003L,P%	♦MOTA	90- 86
MC3004F	♦MOTA	119- 65
MC3004L,P%	♦MOTA	119- 66
MC3005F	♦MOTA	120- 33
MC3005L,P%	♦MOTA	120- 34

Δ-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

3. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line
MC3006F	♦MOTA	82-109	MC3125F	♦MOTA	119- 81	MC4310F	♦MOTA	193- 4	MC7261L,P%	♦MOTA	164- 89	MC8260F	♦MOTA	191- 72
MC3006L,P%	♦MOTA	82-110	MC3125L	♦MOTA	119- 82	MC4310L	♦MOTA	193- 5	MC7266F	♦MOTA	189- 48	MC8260L	♦MOTA	191- 73
MC3007F	♦MOTA	107- 53	MC3126F	♦MOTA	82- 95	MC4316L	♦MOTA	69- 20	MC7266L	♦MOTA	189- 49	MC8261F	♦MOTA	164- 90
MC3007L,P%	♦MOTA	107- 54	MC3126L	♦MOTA	82- 96	MC4318L	♦MOTA	70- 36	MC7266P	♦MOTA	189- 50	MC8261L	♦MOTA	164- 91
MC3008F	♦MOTA	158- 26	MC3128F	♦MOTA	89- 92	MC4324F	♦MOTA	60- 34	MC7267F	♦MOTA	189- 51	MC8266F	♦MOTA	189- 54
MC3008L,P%	♦MOTA	158- 27	MC3128L	♦MOTA	89- 93	MC4324L	♦MOTA	60- 18	MC7267L	♦MOTA	189- 52	MC8266L	♦MOTA	189- 55
MC3009F	♦MOTA	151-109	MC3129F	♦MOTA	128- 67	MC4326F	♦MOTA	149- 98	MC7267P	♦MOTA	189- 53	MC8267F	♦MOTA	184- 89
MC3009L,P%	♦MOTA	158- 28	MC3129L	♦MOTA	128- 68	MC4326L	♦MOTA	149- 99	MC7280F	♦MOTA	69- 13	MC8267L	♦MOTA	184- 90
MC3010F	♦MOTA	120- 35	MC3130F	♦MOTA	133- 62	MC4327F	♦MOTA	149-100	MC7280L,P%	♦MOTA	69- 14	MC8280F	♦MOTA	69- 15
MC3010L,P%	♦MOTA	120- 36	MC3130L	♦MOTA	133- 63	MC4327L	♦MOTA	149-101	MC7281F	♦MOTA	67- 35	MC8280L	♦MOTA	69- 16
MC3011F	♦MOTA	83- 1	MC3131F	♦MOTA	83-109	MC4328F	♦MOTA	149-102	MC7281L,P%	♦MOTA	67- 36	MC8281F	♦MOTA	67- 37
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MC3015F	♦MOTA	120- 37	MC3133F	♦MOTA	84- 1	MC4330F	♦MOTA	149-106	MC7401L,P%	♦MOTA	120- 18	MC8301P	♦MOTA	74- 83
MC3015L,P%	♦MOTA	120- 38	MC3133L	♦MOTA	88- 24	MC4330L	♦MOTA	149-107	MC7402F	♦MOTA	97- 61	MC8304F	♦MOTA	149- 68
MC3016F	♦MOTA	120- 39	MC3134F	♦MOTA	88- 25	MC4331F	♦MOTA	149-108	MC7402L,P%	♦MOTA	97- 62	MC8304L	♦MOTA	149- 69
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MC3018F	♦MOTA	133- 70	MC3150F	♦MOTA	51- 78	MC4332F	♦MOTA	194- 66	MC7404F	♦MOTA	158- 15	MC8306L	♦MOTA	68- 95
MC3018L,P%	♦MOTA	133- 71	MC3150L	♦MOTA	51- 79	MC4332L	♦MOTA	194- 67	MC7404L,P%	♦MOTA	158- 16	MC8306P	♦MOTA	68- 96
MC3019F	♦MOTA	133- 72	MC3151F	♦MOTA	51- 82	MC4335F	♦MOTA	164- 64	MC7405L,P%	♦MOTA	158- 17	MC8307F	♦MOTA	77- 97
MC3019L,P%	♦MOTA	133- 73	MC3151L	♦MOTA	51- 83	MC4335L	♦MOTA	164- 65	MC7406L,P%	♦MOTA	158- 18	MC8307L	♦MOTA	77- 98
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MC3020L,P%	♦MOTA	88- 13	MC3152L	♦MOTA	51- 81	MC4337L	♦MOTA	164- 67	MC7408L,P%	♦MOTA	82- 98	MC8308F	♦MOTA	193- 49
MC3021F	♦MOTA	130- 45	MC3153F	♦MOTA	58- 85	MC4344F	♦MOTA	164- 68	MC7409L,P%	♦MOTA	80- 56	MC8308L	♦MOTA	193- 50
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MC3022F	♦MOTA	135- 34	MC3154F	♦MOTA	51- 74	MC4350F	♦MOTA	63- 58	MC7410L,P%	♦MOTA	120- 21	MC8309F	♦MOTA	188- 72
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MC3024F	♦MOTA	120- 41	MC3160F	♦MOTA	58- 92	MC5401F	♦MOTA	120- 4	MC7420L,P%	♦MOTA	120- 23	MC8310L	♦MOTA	68- 66
MC3024L,P%	♦MOTA	120- 42	MC3160L	♦MOTA	58- 93	MC5401L	♦MOTA	120- 5	MC7426L,P%	♦MOTA	123- 4	MC8310P	♦MOTA	68- 67
MC3025F	♦MOTA	120- 43	MC3161F	♦MOTA	47-107	MC5402F	♦MOTA	97- 59	MC7430F	♦MOTA	120- 24	MC8311F	♦MOTA	75- 40
MC3025L,P%	♦MOTA	120- 44	MC3161L	♦MOTA	47-108	MC5402L	♦MOTA	97- 60	MC7430L,P%	♦MOTA	120- 25	MC8311L	♦MOTA	75- 41
MC3026F	♦MOTA	83- 3	MC3162F	♦MOTA	47-109	MC5403L	♦MOTA	120- 6	MC7437F	♦MOTA	119- 87	MC8311P	♦MOTA	75- 42
MC3026L,P%	♦MOTA	83- 4	MC3162L	♦MOTA	47-110	MC5404F	♦MOTA	158- 8	MC7437L,P%	♦MOTA	119- 88	MC8312F	♦MOTA	189- 31
MC3028F	♦MOTA	89- 94	MC3163F	♦MOTA	47-101	MC5404L	♦MOTA	158- 9	MC7438F	♦MOTA	119- 89	MC8312L	♦MOTA	189- 32
MC3028L,P%	♦MOTA	89- 95	MC3163L	♦MOTA	47-102	MC5405F	♦MOTA	152- 1	MC7438L,P%	♦MOTA	119- 90	MC8312P	♦MOTA	189- 33
MC3029F	♦MOTA	128- 69	MC3450L	♦MOTA	178- 34	MC5405L	♦MOTA	158- 10	MC7440F	♦MOTA	120- 26	MC8314F	♦MOTA	194- 24
MC3029L,P%	♦MOTA	128- 70	MC3450P	♦MOTA	178- 35	MC5406L	♦MOTA	158- 11	MC7440L,P%	♦MOTA	120- 27	MC8314L	♦MOTA	194- 25
MC3030F	♦MOTA	133- 74	MC3452L	♦MOTA	178- 36	MC5407L	♦MOTA	158- 12	MC7441AL	♦MOTA	72- 90	MC8314P	♦MOTA	194- 26
MC3030L,P%	♦MOTA	133- 75	MC3452P	♦MOTA	178- 37	MC5408L	♦MOTA	82- 97	MC7441AP	♦MOTA	72- 91	MC8316F	♦MOTA	68- 68
MC3031F	♦MOTA	84- 4	MC3453L	♦MOTA	175- 86	MC5409L	♦MOTA	80- 55	MC7442L	♦MOTA	74- 79	MC8316L	♦MOTA	68- 69
MC3031L,P%	♦MOTA	83-105	MC3453P	♦MOTA	175- 87	MC5410F	♦MOTA	120- 7	MC7442P	♦MOTA	74- 80	MC8316P	♦MOTA	68- 70
MC3032F	♦MOTA	88- 15	MC4000F	♦MOTA	188- 68	MC5410L	♦MOTA	120- 8	MC7443L	♦MOTA	78- 71	MC8318F	♦MOTA	194- 96
MC3032L,P%	♦MOTA	88- 16	MC4000L,P%	♦MOTA	188- 69	MC5416L	♦MOTA	158- 13	MC7443P	♦MOTA	78- 72	MC8318L	♦MOTA	194- 97
MC3033F	♦MOTA	83-106	MC4001L#1	♦MOTA	72- 72	MC5417L	♦MOTA	158- 14	MC7444L	♦MOTA	79- 61	MC8318P	♦MOTA	194- 98
MC3033L,P%	♦MOTA	88- 17	MC4001L#2	♦MOTA	71- 5	MC5420F	♦MOTA	120- 9	MC7444P	♦MOTA	79- 62	MC8322F	♦MOTA	188- 75
MC3034F	♦MOTA	88- 18	MC4001P#1	♦MOTA	72- 73	MC5420L	♦MOTA	120- 10	MC7445L	♦MOTA	75- 23	MC8322L	♦MOTA	188- 76
MC3034L,P%	♦MOTA	88- 19	MC4001P#2	♦MOTA	71- 6	MC5426L	♦MOTA	123- 3	MC7445P	♦MOTA	75- 24	MC8322P	♦MOTA	188- 77
MC3050F	♦MOTA	51- 84	MC4002F	♦MOTA	164- 83	MC5430F	♦MOTA	120- 11	MC7446L	♦MOTA	77- 68	MC8324F	♦MOTA	192- 25
MC3050L,P%	♦MOTA	51- 85	MC4002L,P%	♦MOTA	164- 84	MC5430L	♦MOTA	120- 12	MC7446P	♦MOTA	77- 69	MC8324L	♦MOTA	192- 26
MC3051F	♦MOTA	51- 88	MC4006F	♦MOTA	72- 42	MC5437F	♦MOTA	119- 83	MC7447L	♦MOTA	77- 70	MC8324P	♦MOTA	192- 27
MC3051L,P%	♦MOTA	51- 89	MC4006L,P%	♦MOTA	72- 43	MC5437L	♦MOTA	119- 84	MC7447P	♦MOTA	77- 71	MC8345L	♦MOTA	75- 25
MC3052F	♦MOTA	51- 86	MC4007L	♦MOTA	72- 44	MC5438F	♦MOTA	119- 85	MC7448L	♦MOTA	77- 72	MC8345P	♦MOTA	75- 26
MC3052L,P%	♦MOTA	51- 87	MC4007P	♦MOTA	72- 45	MC5438L	♦MOTA	119- 86	MC7448P	♦MOTA	77- 73	MC8352L	♦MOTA	74- 84
MC3053F	♦MOTA	59- 13	MC4008F	♦MOTA	193- 15	MC5440F	♦MOTA	120- 13	MC7449F	♦MOTA	77- 74	MC8352P	♦MOTA	74- 85
MC3053L,P%	♦MOTA	59- 14	MC4008L,P%	♦MOTA	193- 16	MC5440L	♦MOTA	120- 14	MC7450F	♦MOTA	88- 44	MC8353L	♦MOTA	78- 73
MC3054F	♦MOTA	51- 70	MC4010F	♦MOTA	193- 17	MC5441AL	♦MOTA	72- 89	MC7450L,P%	♦MOTA	88- 45	MC8353P	♦MOTA	78- 74
MC3054L,P%	♦MOTA	51- 71	MC4010L,P%	♦MOTA	193- 18	MC5442L	♦MOTA	74- 78	MC7451F	♦MOTA	88- 46	MC8354L	♦MOTA	79- 63
MC3055F	♦MOTA	51- 72	MC4015L	♦MOTA	59- 17	MC5443L	♦MOTA	78- 70	MC7451L,P%	♦MOTA	88- 47	MC8354P	♦MOTA	79- 64
MC3055L,P%	♦MOTA	51- 73	MC4015P	♦MOTA	59- 18	MC5444L	♦MOTA	79- 60	MC7453F	♦MOTA	88- 48	MC8358L	♦MOTA	77- 75
MC3060F	♦MOTA	59- 15	MC4016L	♦MOTA	69- 27	MC5445L	♦MOTA	75- 22	MC7453L,P%	♦MOTA	88- 49	MC8358P	♦MOTA	77- 76
MC3060L,P%	♦MOTA	59- 16	MC4016P	♦MOTA	69- 28	MC5446L	♦MOTA	77- 64	MC7454F	♦MOTA	88- 50	MC8359F	♦MOTA	76- 1
MC3061F	♦MOTA	48- 37	MC4018L	♦MOTA	70- 43	MC5447L	♦MOTA	77- 65	MC7454L,P%	♦MOTA	88- 51	MC8375L	♦MOTA	194- 27
MC3061L,P%	♦MOTA	48- 38	MC4018P	♦MOTA	70- 44	MC5448L	♦MOTA	77- 66	MC7460F	♦MOTA	133- 68	MC8375P	♦MOTA	194- 28
MC3062F	♦MOTA	48- 39	MC4021P	♦MOTA	192- 30	MC5449F	♦MOTA	77- 67	MC7460L,P%	♦MOTA	133- 69	MC8377F	♦MOTA	194- 29
MC3062L,P%	♦MOTA	48- 40	MC4022P	♦MOTA	192- 31	MC5450F	♦MOTA	88- 36	MC7470L,P%	♦MOTA	47-106	MC8380F	♦MOTA	149- 71
MC3063F	♦MOTA	47- 99	MC4023F	♦MOTA	69- 64	MC5450L	♦MOTA	88- 37	MC7472F	♦MOTA	47- 95	MC8380L,P%	♦MOTA	149- 72
MC3063L,P%	♦MOTA	47-100	MC4023L,P%	♦MOTA	69- 90	MC5451F	♦MOTA	88- 38	MC7472L,P%	♦MOTA	47- 96	MC8383L	♦MOTA	149- 73
MC3100F	♦MOTA	119- 67	MC4024F	♦MOTA	60- 35	MC5451L	♦MOTA	88- 39	MC7473F	♦MOTA	47- 84	MC8383P	♦MOTA	149- 74
MC3100L	♦MOTA	119- 68	MC4024L,P%	♦MOTA	60- 19	MC5453F	♦MOTA	88- 40	MC7473L,P%	♦MOTA	47- 85	MC8390F	♦MOTA	68-102
MC3101F	♦MOTA	82- 89	MC4026F	♦MOTA	149- 86	MC5453L	♦MOTA	88- 41	MC7475L	♦MOTA	194- 21	MC8390L,P%	♦MOTA	68-103
MC3101L	♦MOTA	82- 90	MC4026L,P%	♦MOTA	149- 87	MC5454F	♦MOTA	88- 42	MC7475P	♦MOTA	194- 22	MC8392F	♦MOTA	165-103
MC3102F	♦MOTA	97- 55	MC4027F	♦MOTA	149- 88	MC5454L	♦MOTA	88- 43	MC7476P	♦MOTA	47- 86	MC8392L,P%	♦MOTA	165-104
MC3102L	♦MOTA	97- 56	MC4027L,P%	♦MOTA	149- 89	MC5460F	♦MOTA	133- 66	MC7477F	♦MOTA	194- 23	MC8503P	♦MOTA	164- 81
MC3103F	♦MOTA	90- 83	MC4028F	♦MOTA	149- 90	MC5460L	♦MOTA	133- 67	MC7479F	♦MOTA	58- 96	MC8601F	♦MOTA	138- 4
MC3103L	♦MOTA	90- 84	MC4028L,P%	♦MOTA	149- 91	MC5470L	♦MOTA	47-105	MC7479L,P%	♦MOTA	58- 97	MC8601L,P%	♦MOTA	138- 5
MC3104F	♦MOTA	119- 69	MC4029F	♦MOTA	149- 92	MC5472F	♦MOTA	47- 93	MC7480F	♦MOTA	149- 64	MC8602F	♦MOTA	139- 23
MC3104L	♦MOTA	119- 70	MC4029L,P%	♦MOTA	149- 93	MC5472L	♦MOTA	47- 94	MC7480L,P%	♦MOTA	149- 65	MC8602L	♦MOTA	139- 24
MC3105F	♦MOTA	119- 71	MC4030F	♦MOTA	149- 94	MC5473F	♦MOTA	47- 82	MC7483L	♦MOTA	149- 66	MC8602L,P%	♦MOTA	139- 25
MC3105L	♦MOTA	119- 72	MC4030L,P%	♦MOTA	149- 95	MC5473L	♦MOTA	47- 83	MC7483P	♦MOTA	149- 67	MC8602P	♦MOTA	139- 26
MC3106F	♦MOTA	82- 91	MC4031F	♦MOTA	149- 96	MC5475L	♦MOTA	194- 19	MC7486F	♦MOTA	130- 42	MC8603F	♦MOTA	139- 27
MC3106L	♦MOTA	82- 92	MC4031L,P%	♦MOTA	149- 97	MC5477F	♦MOTA	194- 20	MC7486L,P%	♦MOTA	130- 43	MC8603L,P%	♦MOTA	139- 28
MC3107F	♦MOTA	107- 57	MC4032F	♦MOTA	194- 64	MC5479F	♦MOTA	58- 94	MC7490F	♦MOTA	68-100	MC9301F	♦MOTA	74- 86
MC3107L	♦MOTA	107- 58	MC4032L,P%	♦MOTA	194- 65	MC5479L	♦MOTA	58- 95	MC7490L,P%	♦MOTA	68-101	MC9301L	♦MOTA	74- 87
MC3108F	♦MOTA	158- 7	MC4035F	♦MOTA	164- 60	MC5480F	♦MOTA	150- 1	MC7492F	♦MOTA	165-101	MC9304F	♦MOTA	149- 75
MC3108L	♦MOTA	158- 29	MC4035L,P%	♦MOTA	164- 61	MC5480L	♦MOTA	149- 62	MC7492L,P%	♦MOTA	165-102	MC9304L	♦MOTA	149- 76
MC3109F	♦MOTA	151-110	MC4037F	♦MOTA	164- 62	MC5483L	♦MOTA	149- 63	MC7493F	♦MOTA	66-107	MC9306L	♦MOTA	68- 97
MC3109L	♦MOTA	158- 30	MC4037L,P%	♦MOTA	164- 63	MC5486F	♦MOTA	130- 40	MC7493L,P%	♦MOTA	67- 1	MC9307F	♦MOTA	77-100
MC3110F	♦MOTA	119- 73	MC4038P	♦MOTA	72- 32	MC5486L	♦MOTA	130- 41	MC7520L	♦MOTA	172-102	MC9307L	♦MOTA	77-101
MC3110L	♦MOTA	119- 74	MC4040P	♦MOTA	72- 63	MC5490F	♦MOTA	68- 98	MC7521L	♦MOTA	172-103	MC9308F	♦MOTA	193- 52
MC3111F	♦MOTA	82- 93	MC4041P	♦MOTA	164- 50	MC5490L	♦MOTA	68- 99	MC7522L	♦MOTA	172-104	MC9308L	♦MOTA	194- 30
MC3111L	♦MOTA	82- 94	MC4042F	♦MOTA	163- 67	MC5492F	♦MOTA	165- 99	MC7523L	♦MOTA	172-105	MC9309F	♦MOTA	188- 78
MC3112F	♦MOTA	107- 59	MC4042L,P%	♦MOTA	163- 68	MC5492L	♦MOTA	165-100	MC7524L	♦MOTA	172-106	MC9309L	♦MOTA	188- 79
MC3112L	♦MOTA	107- 60	MC4043F	♦MOTA	185- 9	MC5493F	♦MOTA	66-105	MC7525L	♦MOTA	172-107	MC9310F	♦MOTA	68- 61
MC3115F	♦MOTA	119- 75	MC4043L,P%	♦MOTA	185- 10	MC5493L	♦MOTA	66-106	MC7528L	♦MOTA	172-108	MC9310L	♦MOTA	68- 62
MC3115L	♦MOTA	119- 76	MC4044F	♦MOTA	164- 85	MC5528L	♦MOTA	172- 96	MC7528P	♦MOTA	172-109	MC9311F	♦MOTA	75- 43
MC3116F	♦MOTA	119- 77	MC4044L,P%	♦MOTA	164- 86	MC5529L	♦MOTA	172- 97	MC7529L	♦MOTA	172-110	MC9311L	♦MOTA	75- 44
MC3116L	♦MOTA	119- 78	MC4048P	♦MOTA	72- 46	MC5534L	♦MOTA	172- 98	MC7529P	♦MOTA	173- 1	MC9312F	♦MOTA	188- 80
MC3118F	♦MOTA	133- 58	MC4050F	♦MOTA	63- 57	MC5535L	♦MOTA	172- 99	MC7534L	♦MOTA	173- 2	MC9312L	♦MOTA	188- 81
MC3118L	♦MOTA	133- 59	MC4050L	♦MOTA	63- 46	MC5538L	♦MOTA	172-100	MC7534P	♦MOTA	173- 3	MC9314F	♦MOTA	194- 31
MC3119F	♦MOTA	133- 60	MC4050P	♦MOTA	63- 47	MC5539L	♦MOTA	172-101	MC7535L	♦MOTA	173- 4	MC9314L	♦MOTA	194- 32
MC3119L	♦MOTA	133- 61	MC4051F	♦MOTA	63- 55	MC7241F	♦MOTA	130- 54	MC7535P	♦MOTA	173- 5	MC9316F	♦MOTA	68- 63
MC3120F	♦MOTA	83-107	MC4051L	♦MOTA	63- 56	MC7241L,P%	♦MOTA	130- 55	MC7538L	♦MOTA	173- 6	MC9316L	♦MOTA	68- 64
MC3120L	♦MOTA	88- 20	MC4051P	♦MOTA	63- 48	MC7242F	♦MOTA	135- 17	MC7538P	♦MOTA	173- 7	MC9318F	♦MOTA	194- 99
MC3121F	♦MOTA	130- 38	MC4062P	♦MOTA	164- 51	MC7242L,P%	♦MOTA	135- 18	MC7539L	♦MOTA	173- 8	MC9318L	♦MOTA	194-100
MC3121L	♦MOTA	130- 39	MC4300F	♦MOTA	188- 70	MC7250L,P%	♦MOTA	72- 47	MC7539P	♦MOTA	173- 9	MC9322F	♦MOTA	188- 82
MC3122F	♦MOTA	135- 32	MC4300L	♦MOTA	188- 71	MC7251L	♦MOTA	72- 48	MC8241F	♦MOTA	130- 56	MC9322L	♦MOTA	188- 83
MC3122L	♦MOTA	135- 33	MC4306F	♦MOTA	72- 33	MC7251P	♦MOTA	72- 49	MC8241L	♦MOTA	130- 57	MC9324F	♦MOTA	192- 28
MC3123F	♦MOTA	83-108	MC4306L	♦MOTA	72- 34	MC7260F	♦MOTA	191- 69	MC8242F	♦MOTA	135- 19	MC9324L	♦MOTA	192- 29
MC3123L	♦MOTA	88- 21	MC4307L	♦MOTA	72- 35	MC7260L	♦MOTA	191- 70	MC8242L	♦MOTA	135- 20	MC9345L	♦MOTA	75- 27
MC3124F	♦MOTA	119- 79	MC4308F	♦MOTA	193- 2	MC7260P	♦MOTA	191- 71	MC8250L	♦MOTA	72- 50	MC9352L	♦MOTA	74- 88
MC3124L	♦MOTA	119- 80	MC4308L	♦MOTA	193- 3	MC7261F	♦MOTA	164- 88	MC8251L	♦MOTA	72- 51	MC9353L	♦MOTA	78- 75

Δ-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

3. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

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Δ-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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MH0026CN	♦AMV	179 - 29
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MH0026G	♦AMV	179 - 30
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MIC74H01J	ITTB	114 - 31
MIC74H04J	ITTB	155 - 56
MIC74H05J	ITTB	155 - 57
MIC74H10J	ITTB	114 - 32
MIC74H11J	ITTB	81 - 19
MIC74H20J	ITTB	114 - 33
MIC74H21J	ITTB	81 - 20
MIC74H22J	ITTB	114 - 34
MIC74H30J	ITTB	114 - 35
MIC74H40J	ITTB	114 - 36
MIC74H50J	ITTB	98 - 48
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MIC74H53J	ITTB	98 - 50
MIC74H54J	ITTB	98 - 51
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MIC74H74J	ITTB	58 - 20
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MIC74L04J	ITTB	153 - 56
MIC74L10J	ITTB	109 - 16
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MIC301-5D	ITTB	103 - 24
MIC301-5D1	ITTB	103 - 25
MIC302-1D	ITTB	103 - 26
MIC302-1D1	ITTB	103 - 27
MIC302-5D	ITTB	103 - 28
MIC302-5D1	ITTB	103 - 29
MIC303-1D	ITTB	103 - 30
MIC303-1D1	ITTB	103 - 31
MIC303-5D	ITTB	103 - 32
MIC303-5D1	ITTB	103 - 33
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MIC311-1D1	ITTB	38 - 93
MIC311-5D	ITTB	38 - 94
MIC311-5D1	ITTB	38 - 95
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MIC312-5D	ITTB	38 - 98
MIC312-5D1	ITTB	38 - 99
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MIC321-1D1	ITTB	103 - 35
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MIC321-5D1	ITTB	103 - 37
MIC322-1D	ITTB	103 - 38
MIC322-1D1	ITTB	103 - 39
MIC322-5D	ITTB	103 - 40
MIC322-5D1	ITTB	103 - 41
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MIC323-1D1	ITTB	103 - 43
MIC323-5D	ITTB	103 - 44
MIC323-5D1	ITTB	103 - 45
MIC324-1D	ITTB	103 - 46
MIC324-1D1	ITTB	103 - 47
MIC324-5D	ITTB	103 - 48
MIC324-5D1	ITTB	103 - 49
MIC325-1D	ITTB	103 - 50
MIC325-1D1	ITTB	103 - 51
MIC325-5D	ITTB	103 - 52
MIC325-5D1	ITTB	103 - 53
MIC326-1D	ITTB	103 - 54
MIC326-1D1	ITTB	103 - 55
MIC326-5D	ITTB	103 - 56
MIC326-5D1	ITTB	103 - 57
MIC331-1D	ITTB	131 - 47
MIC331-1D1	ITTB	131 - 48
MIC331-5D	ITTB	131 - 49
MIC331-5D1	ITTB	131 - 50
MIC332-1D	ITTB	151 - 96
MIC332-1D1	ITTB	151 - 97
MIC332-5D	ITTB	151 - 98
MIC332-5D1	ITTB	151 - 99
MIC333-1D	ITTB	151 -100
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MIC333-5D	ITTB	151 -102
MIC333-5D1	ITTB	151 -103
MIC334-1D	ITTB	151 -104
MIC334-1D1	ITTB	151 -105
MIC334-5D	ITTB	151 -106
MIC334-5D1	ITTB	151 -107
MIC335-1D	ITTB	159 - 67
MIC335-1D1	ITTB	159 - 68
MIC335-5D	ITTB	159 - 69
MIC335-5D1	ITTB	159 - 70
MIC341-1D	ITTB	128 - 92
MIC341-1D1	ITTB	128 - 93
MIC341-5D	ITTB	128 - 94
MIC341-5D1	ITTB	128 - 95
MIC342-1D	ITTB	137 - 35
MIC342-1D1	ITTB	137 - 36
MIC342-5D	ITTB	137 - 37
MIC342-5D1	ITTB	137 - 38
MIC343-1D	ITTB	192 - 50
MIC343-1D1	ITTB	192 - 51
MIC343-5D	ITTB	192 - 52
MIC343-5D1	ITTB	192 - 53
MIC361-1D	ITTB	151 - 26
MIC361-1D1	ITTB	151 - 27
MIC361-5D	ITTB	151 - 28
MIC361-5D1	ITTB	151 - 29
MIC362-1D	ITTB	150 - 99
MIC362-1D1	ITTB	150 -100
MIC362-5D	ITTB	150 -101
MIC362-5D1	ITTB	150 -102
MIC363-1D	ITTB	151 - 16
MIC363-1D1	ITTB	151 - 17
MIC363-5D	ITTB	151 - 18
MIC363-5D1	ITTB	151 - 19
MIC370-1D	ITTB	55 - 26
MIC370-1D1	ITTB	55 - 27
MIC370-5D	ITTB	55 - 28
MIC370-5D1	ITTB	55 - 29
MIC371-1D	ITTB	61 - 66
MIC371-1D1	ITTB	61 - 67
MIC371-5D	ITTB	61 - 68
MIC371-5D1	ITTB	61 - 69
MIC372-1D	ITTB	61 - 70
MIC372-1D1	ITTB	61 - 71
MIC372-5D	ITTB	61 - 72
MIC372-5D1	ITTB	61 - 73
MIC380-1D	ITTB	72 - 78
MIC380-1D1	ITTB	72 - 79
MIC380-5D	ITTB	72 - 80
MIC380-5D1	ITTB	72 - 81
MIC381-1D	ITTB	72 - 82
MIC381-1D1	ITTB	72 - 83
MIC381-5D	ITTB	72 - 84
MIC381-5D1	ITTB	72 - 85
MIC382-1D	ITTB	72 - 92
MIC382-1D1	ITTB	72 - 93
MIC382-5D	ITTB	72 - 94
MIC382-5D1	ITTB	72 - 95
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	ITT	
MIC930-1C	ITT	123 - 57
MIC930-1D	INTG	123 - 58
	ITT	
MIC930-5B	INTG	123 - 59
	ITT	
MIC930-5C	ITT	123 - 60
MIC930-5D	INTG	123 - 61
	ITT	
MIC930R3D	ITTB	123 - 13
MIC930R6D	ITTB	123 - 14
MIC930R7D	ITTB	123 - 15
MIC932-1B	INTG	123 - 92
	ITT	
MIC932-1C	ITT	123 - 93
MIC932-1D	INTG	123 - 94
	ITT	
MIC932-5B	INTG	123 - 95
	ITT	
MIC932-5C	ITT	123 - 96
MIC932-5D	INTG	123 - 97
	ITT	
MIC932R3D	ITTB	123 - 16
MIC932R6D	ITTB	123 - 17
MIC932R7D	ITTB	123 - 18
MIC933-1B	INTG	131 - 70
	ITT	
MIC933-1C	ITT	131 - 71
MIC933-1D	INTG	131 - 72
	ITT	
MIC933-5B	INTG	131 - 73
	ITT	
MIC933-5C	ITT	131 - 74
MIC933-5D	INTG	131 - 75
	ITT	
MIC933R3D	ITTB	131 - 76
MIC933R6D	ITTB	131 - 77
MIC933R7D	ITTB	131 - 78
MIC935-1D	ITTB	158 - 81
MIC935-5D	ITTB	158 - 82
MIC936-1B	INTG	123 - 62
	ITT	
MIC936-1D	INTG	123 - 63
	ITT	
MIC936-5B	INTG	123 - 64
	ITT	
MIC936-5D	INTG	123 - 65
	ITT	
MIC936R3D	ITTB	123 - 19
MIC936R6D	ITTB	123 - 20
MIC936R7D	ITTB	123 - 21
MIC937-1B	INTG	123 - 66
	ITT	
MIC937-1D	INTG	123 - 67
	ITT	
MIC937-5B	INTG	123 - 68
	ITT	
MIC937-5D	INTG	123 - 69
	ITT	
MIC941-1B	ITT	136 - 13
MIC941-1D	ITT	136 - 14
	ITTB	
MIC941-5B	ITT	136 - 15
MIC941-5D	ITT	136 - 16
	ITTB	
MIC944-1B	INTG	123 - 98
	ITT	
MIC944-1C	ITT	123 - 99
MIC944-1D	INTG	123 -100
	ITT	
MIC944-5B	INTG	123 -101
	ITT	
MIC944-5C	ITT	123 -102
MIC944-5D	INTG	123 -103
	ITT	
MIC944R3D	ITTB	123 - 22
MIC944R6D	ITTB	123 - 23
MIC944R7D	ITTB	123 - 24
MIC945-1B	INTG	50 - 81
	ITT	
MIC945-1C	ITT	50 - 82
MIC945-1D	INTG	50 - 83
	ITT	
MIC945-5B	INTG	50 - 84
	ITT	
MIC945-5C	ITT	50 - 85
MIC945-5D	INTG	50 - 86
	ITT	
MIC945R3D	ITTB	50 - 87
MIC945R6D	ITTB	50 - 88
MIC945R7D	ITTB	50 - 89
MIC946-1B	INTG	123 - 70
	ITT	
MIC946-1C	ITT	123 - 5
MIC946-1D	INTG	123 - 71
	ITT	
MIC946-5B	INTG	123 - 72
	ITT	
MIC946-5C	ITT	123 - 6
MIC946-5D	INTG	123 - 73
	ITT	
MIC946R3D	ITTB	123 - 25
MIC946R6D	ITTB	123 - 26
MIC946R7D	ITTB	123 - 27
MIC948-1B	INTG	50 - 90
	ITT	
MIC948-1C	ITT	50 - 91
MIC948-1D	INTG	50 - 92
	ITT	
MIC948-5B	INTG	50 - 93
	ITT	
MIC948-5C	ITT	50 - 94
MIC948-5D	INTG	50 - 95
	ITT	
MIC949-1B	INTG	123 - 74
	ITT	
MIC949-1C	ITT	123 - 7
MIC949-1D	INTG	123 - 75
	ITT	
MIC949-5B	INTG	123 - 76
	ITT	
MIC949-5C	ITT	123 - 8
MIC949-5D	INTG	123 - 77
	ITT	
MIC950-1B	INTG	50 - 77
	ITT	
MIC950-1C	ITT	50 - 78
MIC950-1D	INTG	50 - 79
	ITT	
MIC950-5B	INTG	50 - 74
	ITT	
MIC950-5C	ITT	50 - 75
MIC950-5D	INTG	50 - 76
	ITT	
MIC951-1B	INTG	136 - 17
	ITT	
MIC951-1C	ITT	136 - 18
MIC951-1D	INTG	136 - 19
	ITT	
MIC951-5B	INTG	136 - 20
	ITT	
MIC951-5C	ITT	136 - 21
MIC951-5D	INTG	136 - 22
	ITT	
MIC961-1B	INTG	123 - 78
	ITT	
MIC961-1C	ITT	123 - 79
MIC961-1D	INTG	123 - 80
	ITT	
MIC961-5B	INTG	123 - 81
	ITT	
MIC961-5C	ITT	123 - 82
MIC961-5D	INTG	123 - 83
	ITT	
MIC962-1B	INTG	123 - 89
	ITT	
MIC962-1C	ITT	123 - 9
MIC962-1D	INTG	123 - 84
	ITT	
MIC962-5B	INTG	123 - 85
	ITT	
MIC962-5C	ITT	123 - 10
MIC962-5D	INTG	123 - 86
	ITT	
MIC962R3D	ITTB	123 - 28
MIC962R6D	ITTB	123 - 29
MIC962R7D	ITTB	123 - 30
MIC963-1B	INTG	123 - 90
	ITT	
MIC963-1C	ITT	123 - 11
MIC963-1D	INTG	123 - 91
	ITT	
MIC963-5B	INTG	123 - 87
	ITT	
MIC963-5C	ITT	123 - 12
MIC963-5D	INTG	123 - 88
	ITT	
MIC5400J	INTG	114 - 37
	♦ITTB	
MIC5401AJ	INTG	114 - 38
	♦ITTB	
MIC5401J	INTG	114 - 39
	♦ITTB	
MIC5402J	INTG	96 - 40
	♦ITTB	
MIC5403AJ	INTG	114 - 40
	♦ITTB	
MIC5403J	INTG	114 - 41
	♦ITTB	
MIC5404J	INTG	156 - 1
	♦ITTB	
MIC5405AJ	INTG	156 - 2
	♦ITTB	
MIC5405J	INTG	156 - 3
	♦ITTB	
MIC5406J	INTG	160 - 39
	♦ITTB	
MIC5407J	INTG	160 - 40
	♦ITTB	
MIC5408J	INTG	81 - 21
	♦ITTB	
MIC5409AJ	♦ITTB	81 - 22
MIC5409J	INTG	81 - 23
	♦ITTB	
MIC5410J	INTG	114 - 42
	♦ITTB	
MIC5411J	INTG	81 - 24
	♦ITTB	
MIC5412AJ	INTG	114 - 43
	♦ITTB	
MIC5412J	INTG	114 - 44
	♦ITTB	
MIC5413J	INTG	161 -103
	♦ITTB	
MIC5416J	INTG	160 - 18
	♦ITTB	
MIC5417J	INTG	160 - 19
	♦ITTB	
MIC5420J	INTG	114 - 45
	♦ITTB	
MIC5421J	INTG	81 - 25
	♦ITTB	
MIC5425J	ITTB	96 - 41
MIC5426J	INTG	114 - 46
	♦ITTB	
MIC5428J	INTG	90 - 49
	♦ITTB	
MIC5430J	INTG	114 - 47
	♦ITTB	
MIC5432J	♦ITTB	90 - 50
MIC5433AJ	INTG	96 - 42
	♦ITTB	
MIC5433J	INTG	96 - 43
	♦ITTB	
MIC5437J	INTG	114 - 48
	♦ITTB	
MIC5438AJ	♦ITTB	114 - 49
MIC5438J	INTG	114 - 50
	♦ITTB	
MIC5440J	INTG	114 - 51
	♦ITTB	
MIC5441AJ	INTG	73 - 48
MIC5442J	INTG	73 - 49
	♦ITTB	
MIC5443J	INTG	78 - 43
	♦ITTB	
MIC5444J	INTG	78 - 77
	♦ITTB	
MIC5445J	INTG	73 - 50
	♦ITTB	
MIC5446AJ	♦ITTB	76 - 60
MIC5446J	INTG	76 - 61
	♦ITTB	
MIC5447AJ	♦ITTB	76 - 62
MIC5447J	INTG	76 - 63
	♦ITTB	
MIC5448J	INTG	76 - 64
	♦ITTB	
MIC5450J	INTG	87 - 22
	♦ITTB	
MIC5451J	INTG	87 - 23
	♦ITTB	
MIC5453J	INTG	87 - 24
	♦ITTB	
MIC5454J	INTG	87 - 25
	♦ITTB	
MIC5460J	INTG	132 - 98
	♦ITTB	
MIC5470J	INTG	51 - 59
	♦ITTB	
MIC5472J	INTG	45 - 38
	♦ITTB	
MIC5473J	INTG	45 - 39
	♦ITTB	
MIC5474J	INTG	57 - 31
	♦ITTB	
MIC5475J	INTG	56 - 74
	♦ITTB	
MIC5476J	INTG	45 - 40
	♦ITTB	
MIC5480J	ITTB	148 - 63
MIC5482J	INTG	148 - 64
	♦ITTB	
MIC5483J	INTG	148 - 65
	♦ITTB	
MIC5486J	INTG	129 - 73
	♦ITTB	

Δ-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

3. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

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	♦ITTB	
MIC5493J	INTG	67- 97
	♦ITTB	
MIC6400J	INTG	114- 52
	♦ITTB	
MIC6401AJ	INTG	114- 53
	♦ITTB	
MIC6401J	INTG	114- 54
	♦ITTB	
MIC6402J	INTG	96- 44
	♦ITTB	
MIC6403AJ	INTG	114- 55
	♦ITTB	
MIC6403J	INTG	114- 56
	♦ITTB	
MIC6404J	INTG	156- 4
	♦ITTB	
MIC6405AJ	INTG	156- 5
	♦ITTB	
MIC6405J	INTG	156- 6
	♦ITTB	
MIC6406J	INTG	160- 41
	♦ITTB	
MIC6407J	INTG	160- 42
	♦ITTB	
MIC6408J	INTG	81- 26
	♦ITTB	
MIC6409AJ	♦ITTB	81- 27
MIC6409J	INTG	81- 28
	♦ITTB	
MIC6410J	INTG	114- 57
	♦ITTB	
MIC6411J	INTG	81- 29
	♦ITTB	
MIC6412AJ	INTG	114- 58
	♦ITTB	
MIC6412J	INTG	114- 59
	♦ITTB	
MIC6413J	INTG	161-104
	♦ITTB	
MIC6416J	INTG	160- 20
	♦ITTB	
MIC6417J	INTG	160- 21
	♦ITTB	
MIC6420J	INTG	114- 60
	♦ITTB	
MIC6421J	INTG	81- 30
	♦ITTB	
MIC6425J	ITTB	96- 45
MIC6426J	INTG	114- 61
	♦ITTB	
MIC6428J	INTG	90- 51
	♦ITTB	
MIC6430J	INTG	114- 62
	♦ITTB	
MIC6432J	♦ITTB	90- 52
MIC6433AJ	INTG	96- 46
	♦ITTB	
MIC6433J	INTG	96- 47
	♦ITTB	
MIC6437J	INTG	114- 63
	♦ITTB	
MIC6438AJ	♦ITTB	114- 64
MIC6438J	INTG	114- 65
	♦ITTB	
MIC6440J	INTG	114- 66
	♦ITTB	
MIC6441AJ	INTG	73- 51
	♦ITTB	
MIC6442J	INTG	73- 52
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MIC6443J	INTG	78- 44
	♦ITTB	
MIC6444J	INTG	78- 78
	♦ITTB	
MIC6445J	INTG	73- 53
	♦ITTB	
MIC6446AJ	♦ITTB	76- 65
MIC6446J	INTG	76- 66
	♦ITTB	
MIC6447AJ	♦ITTB	76- 67
MIC6447J	INTG	76- 68
	♦ITTB	
MIC6448J	INTG	76- 69
	♦ITTB	
MIC6450J	INTG	87- 26
	♦ITTB	
MIC6451J	INTG	87- 27
	♦ITTB	
MIC6453J	INTG	87- 28
	♦ITTB	
MIC6454J	INTG	87- 29
	♦ITTB	
MIC6460J	INTG	132- 99
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MIC6470J	INTG	51- 60
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MIC6472J	INTG	45- 41
	♦ITTB	
MIC6473J	INTG	45- 42
	♦ITTB	
MIC6474J	INTG	57- 32
	♦ITTB	
MIC6475J	INTG	56- 75
	♦ITTB	
MIC6476J	INTG	45- 43
	♦ITTB	
MIC6480J	ITTB	148- 66
MIC6482J	INTG	148- 67
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MIC6483J	INTG	148- 68
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MIC6486J	INTG	129- 74
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MIC6490J	INTG	64- 5
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MIC6492J	INTG	69- 93
	♦ITTB	
MIC6493J	INTG	67- 98
	♦ITTB	
MIC7400J	INTG	114- 67
	♦ITTB	
MIC7400N	ITTB	114- 68
MIC7401AJ	INTG	114- 69
	♦ITTB	
MIC7401AN	ITTB	114- 70
MIC7401J	INTG	114- 71
	♦ITTB	
MIC7401N	ITTB	114- 72
MIC7402J	INTG	96- 48
	♦ITTB	
MIC7402N	ITTB	96- 49
MIC7403AJ	INTG	114- 73
	♦ITTB	
MIC7403AN	ITTB	114- 74
MIC7403J	INTG	114- 75
	♦ITTB	
MIC7403N	ITTB	114- 76
MIC7404J	INTG	156- 7
	♦ITTB	
MIC7404N	ITTB	156- 8
MIC7405AJ	INTG	156- 9
	♦ITTB	
MIC7405AN	ITTB	156- 10
MIC7405J	INTG	156- 11
	♦ITTB	
MIC7405N	ITTB	156- 12
MIC7406J	INTG	160- 43
	♦ITTB	
MIC7406N	ITTB	160- 44
MIC7407J	INTG	160- 45
	♦ITTB	
MIC7407N	ITTB	160- 46
MIC7408J	INTG	81- 31
	♦ITTB	
MIC7408N	ITTB	81- 32
MIC7409AJ	♦ITTB	81- 33
MIC7409AN	ITTB	81- 34
MIC7409J	INTG	81- 35
	♦ITTB	
MIC7409N	ITTB	81- 36
MIC7410J	INTG	114- 77
	♦ITTB	
MIC7410N	ITTB	114- 78
MIC7411J	INTG	81- 37
	♦ITTB	
MIC7411N	ITTB	81- 38
MIC7412AJ	INTG	114- 79
	♦ITTB	
MIC7412AN	ITTB	114- 80
MIC7412J	INTG	114- 81
	♦ITTB	
MIC7412N	ITTB	114- 82
MIC7413J	INTG	161-105
	♦ITTB	
MIC7413N	ITTB	161-106
MIC7416J	INTG	160- 22
	♦ITTB	
MIC7416N	ITTB	160- 23
MIC7417J	INTG	160- 24
	♦ITTB	
MIC7417N	ITTB	160- 25
MIC7420J	INTG	114- 83
	♦ITTB	
MIC7420N	ITTB	114- 84
MIC7421J	INTG	81- 39
	♦ITTB	
MIC7421N	ITTB	81- 40
MIC7425J	ITTB	96- 50
MIC7425N	ITTB	96- 51
MIC7426J	INTG	114- 85
	♦ITTB	
MIC7426N	ITTB	114- 86
MIC7428J	INTG	90- 53
	♦ITTB	
MIC7428N	ITTB	90- 54
MIC7430J	INTG	114- 87
	♦ITTB	
MIC7430N	ITTB	114- 88
MIC7432J	♦ITTB	90- 55
MIC7432N	ITTB	90- 56
MIC7433AJ	INTG	96- 52
	♦ITTB	
MIC7433AN	ITTB	96- 53
MIC7433J	INTG	96- 54
	♦ITTB	
MIC7433N	ITTB	96- 55
MIC7437J	INTG	114- 89
	♦ITTB	
MIC7437N	ITTB	114- 90
MIC7438AJ	♦ITTB	115- 1
MIC7438AN	ITTB	115- 2
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MIC64105J	INTG	51- 2
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MIC64109J	ITTB	46- 30
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MIC64162J	ITTB	62- 53
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MIC74105J	INTG	51- 5
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MIC74105N	ITTB	51- 6
MIC74107J	INTG	45- 52
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MIC74107N	ITTB	45- 53
MIC74109J	ITTB	46- 31
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MIC74118J	INTG	53- 37
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MIC74118N	ITTB	53- 38
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△-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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N8252B	SIC	73 - 73	N8822F	SIC	48 - 43	NC2137	GIC	168 -102	RC7520DD	♦RTN	173 - 10	RF250D	♦RTN	49 - 15
N8252E	SIC	73 - 74	N8822J	SIC	48 - 44	NC7400N	NPC	115 - 55	RC7520MP	♦RTN	173 - 11	RF250K	♦RTN	49 - 16
N8252R	SIC	73 - 75	N8824B	SIC	48 - 45	NC7401BN	NPC	115 - 56	RC7521DD	♦RTN	173 - 12	RF251D	♦RTN	49 - 17
N8260N	SIC	191 - 74	N8825A	♦SIC	48 - 46	NC7401N	NPC	115 - 57	RC7521MP	♦RTN	173 - 13	RF251K	♦RTN	49 - 18
N8260P	SIC	191 - 75	N8825F	SIC	48 - 47	NC7402N	NPC	96 - 56	RC7522DD	♦RTN	173 - 14	RF251P	RTN	49 - 64
N8260Y	SIC	191 - 76	N8825J	♦SIC	48 - 48	NC7403BN	NPC	115 - 58	RC7522MP	♦RTN	173 - 15	RF252D	♦RTN	49 - 7
N8261A	SIC	164 - 92	N8826A	♦SIC	48 - 63	NC7403N	NPC	115 - 59	RC7523DD	♦RTN	173 - 16	RF252K	♦RTN	49 - 8
N8261F	SIC	164 - 93	N8826F	SIC	48 - 64	NC7404N	NPC	156 - 29	RC7523MP	♦RTN	173 - 17	RF253D	♦RTN	49 - 9
N8261Q	SIC	164 - 94	N8826J	♦SIC	48 - 65	NC7405N	NPC	156 - 30	RC7524DD	♦RTN	173 - 18	RF253K	♦RTN	49 - 10
N8262A	SIC	193 - 19	N8827A	♦SIC	48 - 66	NC7410N	NPC	115 - 60	RC7524MP	♦RTN	173 - 19	RF260D	♦RTN	49 - 65
N8262F	SIC	193 - 20	N8827F	SIC	48 - 67	NC7420N	NPC	115 - 61	RC7525DD	♦RTN	173 - 20	RF260K	♦RTN	49 - 66
N8262Q	SIC	193 - 21	N8827J	♦SIC	48 - 68	NC7426N	NPC	115 - 62	RC7525MP	♦RTN	173 - 21	RF261D	♦RTN	49 - 67
N8263N	SIC	189 - 68	N8828A	♦SIC	59 - 29	NC7430N	NPC	115 - 63	RC9622D	♦RTN	179 - 1	RF261K	♦RTN	49 - 68
N8263P	SIC	189 - 69	N8828F	SIC	59 - 30	NC7440N	NPC	115 - 64	RC9622DP	♦RTN	179 - 2	RF262D	♦RTN	49 - 69
N8263Y	SIC	189 - 70	N8828J	♦SIC	59 - 31	NC7441AN	NPC	73 - 79	RC9622J	♦RTN	179 - 3	RF262K	♦RTN	49 - 70
N8264N	SIC	189 - 71	N8829A	♦SIC	48 - 49	NC7442N	NPC	73 - 80	RDAC10-1	♦DDC	143 - 46	RF263D	♦RTN	49 - 71
N8264P	SIC	189 - 72	N8829F	SIC	48 - 50	NC7450N	NPC	98 - 58	RDAC10-2	♦DDC	143 - 47	RF263K	♦RTN	49 - 72
N8264Y	SIC	189 - 73	N8829J	♦SIC	48 - 51	NC7451N	NPC	98 - 59	RDAC11-1	♦DDC	143 - 48	RF400P	RTN	49 - 89
N8266B	SIC	189 - 74	N8840A	♦SIC	130 - 48	NC7453N	NPC	98 - 60	RDAC11-2	♦DDC	143 - 49	RF3120D	RTN	39 - 1
N8266E	SIC	189 - 75	N8840F	SIC	130 - 49	NC7454N	NPC	98 - 61	RDAC12-1	♦DDC	143 - 50	RF3120K	RTN	39 - 2
N8266R	SIC	189 - 76	N8840J	♦SIC	130 - 50	NC7460N	NPC	133 - 4	RDAC12-2	♦DDC	143 - 51	RF3122D	RTN	39 - 3
N8267B	SIC	189 - 77	N8848A	♦SIC	99 - 93	NC7470N	NPC	51 - 63	RF10D	♦RTN	53 - 50	RF3122K	RTN	39 - 4
N8267E	SIC	189 - 78	N8848F	SIC	99 - 94	NC7472N	NPC	51 - 41	RF30D	♦RTN	54 - 33	RF3130D	RTN	41 - 92
N8267R	SIC	189 - 79	N8848J	♦SIC	99 - 95	NC7473N	NPC	44 - 34	RF30K	♦RTN	54 - 34	RF3130K	RTN	41 - 93
N8268A	SIC	150 - 2	N8855A	♦SIC	127 - 40	NC7474N	NPC	57 - 45	RF31D	♦RTN	54 - 35	RF3132D	RTN	41 - 94
N8268F	SIC	150 - 3	N8855F	SIC	127 - 41	NC7475N	NPC	193 - 86	RF31K	♦RTN	54 - 36	RF3132K	RTN	41 - 95
N8268Q	SIC	150 - 4	N8855J	♦SIC	127 - 42	NC7476N	NPC	45 - 55	RF32D	♦RTN	54 - 37	RF3200D	♦RTN	49 - 11
N8269A	SIC	192 - 32	N8870A	♦SIC	120 - 50	NC7483N	NPC	148 - 79	RF32K	♦RTN	54 - 38	RF3200K	♦RTN	49 - 12
N8269F	SIC	192 - 33	N8870F	SIC	120 - 51	NC7486N	NPC	129 - 79	RF33D	♦RTN	54 - 39	RF3202D	♦RTN	49 - 3
N8269Q	SIC	192 - 34	N8870J	♦SIC	120 - 52	NC7490N	NPC	64 - 8	RF33K	♦RTN	54 - 40	RF3202K	♦RTN	49 - 4
N8275B	SIC	59 - 23	N8875A	SIC	97 - 68	NC7492N	NPC	67 -101	RF50D	♦RTN	54 - 41	RF3210D	♦RTN	49 - 13
N8275E	SIC	59 - 24	N8875F	SIC	97 - 69	NC7493N	NPC	67 -102	RF50K	♦RTN	38 - 5	RF3210K	♦RTN	49 - 14
N8275R	SIC	59 - 25	N8875J	SIC	97 - 70	NC74107N	NPC	44 - 35	RF51D	♦RTN	54 - 42	RF3212D	♦RTN	49 - 5
N8280A	♦SIC	68 - 33	N8880A	♦SIC	120 - 53	NC74121N	NPC	139 - 52	RF51K	♦RTN	54 - 43	RF3212K	♦RTN	49 - 6
N8280F	SIC	69 - 9	N8880F	SIC	120 - 54	NDAC8-1	♦DDC	142 -110	RF52D	♦RTN	49 - 52	RF3220D	RTN	56 - 33
N8280Q	SIC	69 - 10	N8880J	♦SIC	120 - 55	NDAC8-3	♦DDC	143 - 1	RF52K	♦RTN	49 - 53	RF3220K	RTN	56 - 34
N8281A	♦SIC	64 - 56	N8881A	SIC	107 - 61	NDAC10-1	♦DDC	143 - 2	RF53D	♦RTN	49 - 54	RF3222D	RTN	56 - 35
N8281F	SIC	67 - 19	N8881F	SIC	120 - 56	NDAC10-3	♦DDC	143 - 3	RF53K	♦RTN	49 - 55	RF3222K	RTN	56 - 36
N8281Q	SIC	67 - 20	N8881J	SIC	107 - 62	NE555T	♦INL	139 - 44	RF60D	♦RTN	49 - 56	RF3230D	RTN	56 - 37
N8284A	AMV	70 - 24	N8885A	SIC	97 - 71		♦SIC		RF60K	♦RTN	49 - 57	RF3230K	RTN	56 - 38
	SIC		N8885F	SIC	97 - 72	NE555V	♦INL	139 - 45	RF61D	♦RTN	49 - 58	RF3232D	RTN	56 - 39
N8284F	AMV	70 - 25	N8885J	SIC	97 - 73		♦SIC		RF61K	♦RTN	49 - 59	RF3232K	RTN	56 - 40
	SIC		N74107A	SIC	45 - 54	NH0006	♦NSC	162 - 93	RF62D	♦RTN	49 - 60	RF8601DC	♦RTN	138 - 7
N8284Q	SIC	67 - 12	N74121A	SIC	139 - 13	NH0006C	♦NSC	162 - 94	RF62K	♦RTN	49 - 61	RF8601K	♦RTN	138 - 8
N8285A	AMV	62 - 88	N74121Q	SIC	139 - 14	NH0007	♦NSC	179 - 55	RF63D	♦RTN	49 - 62	RF8601P	♦RTN	138 - 9
	SIC		N74122A	SIC	139 - 15	NH0007C	♦NSC	179 - 56	RF63K	♦RTN	49 - 63	RF9601DC	♦RTN	137 - 97
N8285F	AMV	62 - 89	N74122F	SIC	138 - 62	NH0008	♦NSC	182 - 8	RF100BL	♦RTN	48 - 93	RF9601K	♦RTN	137 - 98
	SIC		N74122Q	SIC	139 - 16	NH0008C	♦NSC	182 - 9	RF100D	♦RTN	49 - 73	RF9601P	♦RTN	137 - 99
N8285Q	SIC	63 - 59	N74123B	SIC	138 - 63	NH0009	♦NSC	179 - 51	RF100K	♦RTN	49 - 74	RG40D	♦RTN	121 - 72

△-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

3. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line
RG40K	♦RTN	121 - 73	RG181K	♦RTN	83 - 33	RG300D	♦RTN	91 - 71	RG3420K	♦RTN	120-107	RM202G	♦RTN	52 - 56
RG41D	♦RTN	121 - 74	RG182D	♦RTN	83 - 34	RG300K	♦RTN	91 - 72	RG3422D	♦RTN	120 - 86	RM202T	♦RTN	52 - 57
RG41K	♦RTN	121 - 75	RG182K	♦RTN	83 - 35	RG301D	♦RTN	91 - 73	RG3422K	♦RTN	120 - 87	RM204D	RTN	125 - 20
RG42D	♦RTN	121 - 76	RG183D	♦RTN	83 - 36	RG301K	♦RTN	91 - 74	RG3430D	♦RTN	120-108	RM204G	♦RTN	125 - 21
RG42K	♦RTN	121 - 77	RG183K	♦RTN	83 - 37	RG302D	♦RTN	91 - 75	RG3430K	♦RTN	120-109	RM204T	♦RTN	125 - 22
RG43D	♦RTN	121 - 78	RG190D	♦RTN	121-100	RG302K	♦RTN	91 - 76	RG3432D	♦RTN	120 - 88	RM206D	RTN	125 - 23
RG43K	♦RTN	121 - 79	RG190K	♦RTN	121-101	RG303D	♦RTN	91 - 77	RG3432K	♦RTN	120 - 89	RM206G	♦RTN	125 - 24
RG50D	♦RTN	90 - 91	RG191D	♦RTN	121-102	RG303K	♦RTN	91 - 78	RG3440D	RTN	84 - 60	RM210D	RTN	104 - 76
RG50K	♦RTN	90 - 92	RG191K	♦RTN	121-103	RG310D	♦RTN	91 - 79	RG3440K	RTN	84 - 61	RM210G	♦RTN	104 - 77
RG51D	♦RTN	90 - 93	RG192D	♦RTN	121-104	RG310K	♦RTN	91 - 80	RG3442D	RTN	84 - 62	RM210T	♦RTN	104 - 78
RG51K	♦RTN	90 - 94	RG192K	♦RTN	121-105	RG311D	♦RTN	91 - 81	RG3442K	RTN	84 - 63	RM211D	RTN	125 - 25
RG52D	♦RTN	90 - 87	RG193D	♦RTN	121-106	RG311K	♦RTN	91 - 82	RG3450D	♦RTN	84 - 7	RM211G	♦RTN	125 - 26
RG52K	♦RTN	90 - 88	RG193K	♦RTN	121-107	RG312D	♦RTN	91 - 83	RG3450K	♦RTN	84 - 8	RM211T	♦RTN	125 - 27
RG53D	♦RTN	90 - 89	RG200D	♦RTN	120 - 90	RG312K	♦RTN	91 - 84	RG3452D	♦RTN	84 - 5	RM212D	RTN	52 - 58
RG53K	♦RTN	90 - 90	RG200K	♦RTN	120 - 91	RG313D	♦RTN	91 - 85	RG3452K	♦RTN	84 - 6	RM212G	♦RTN	52 - 59
RG60D	♦RTN	121 - 80	RG200P	RTN	122 - 10	RG313K	♦RTN	91 - 86	RG7510D	♦RTN	128 - 19	RM212T	♦RTN	52 - 60
RG60K	♦RTN	121 - 81	RG201D	♦RTN	120 - 92	RG320D	♦RTN	121 - 4	RG7510K	♦RTN	128 - 20	RM213D	RTN	65 - 12
RG61D	♦RTN	121 - 82	RG201K	♦RTN	120 - 93	RG320K	♦RTN	121 - 5	RG7511D	♦RTN	128 - 21	RM213G	♦RTN	65 - 13
RG61K	♦RTN	121 - 83	RG202D	♦RTN	120 - 74	RG321D	♦RTN	121 - 6	RG7511K	♦RTN	128 - 22	RM213T	♦RTN	65 - 14
RG62D	♦RTN	121 - 84	RG202K	♦RTN	120 - 75	RG321K	♦RTN	121 - 7	RG7512D	♦RTN	128 - 23	RM214D	RTN	125 - 28
RG62K	♦RTN	121 - 85	RG203D	♦RTN	120 - 76	RG322D	♦RTN	120 - 94	RG7512K	♦RTN	128 - 24	RM214G	♦RTN	125 - 29
RG63D	♦RTN	121 - 86	RG203K	♦RTN	120 - 77	RG322K	♦RTN	120 - 95	RG7513D	♦RTN	128 - 25	RM214T	♦RTN	125 - 30
RG63K	♦RTN	121 - 87	RG210BL	♦RTN	88 - 67	RG323D	♦RTN	120 - 96	RG7513K	♦RTN	128 - 26	RM215D	RTN	40 - 24
RG70D	♦RTN	91 - 15	RG210D	♦RTN	91 - 39	RG323K	♦RTN	120 - 97	RG7520D	♦RTN	162 - 53	RM215G	♦RTN	40 - 25
RG70K	♦RTN	91 - 16	RG210K	♦RTN	91 - 40	RG340D	RTN	97 - 91	RG7520K	♦RTN	162 - 54	RM215T	♦RTN	40 - 26
RG71D	♦RTN	91 - 17	RG211BL	♦RTN	88 - 68	RG340K	RTN	97 - 92	RG7521D	♦RTN	162 - 55	RM216D	RTN	125 - 31
RG71K	♦RTN	91 - 18	RG211D	♦RTN	91 - 41	RG341D	RTN	97 - 93	RG7521K	♦RTN	162 - 56	RM216G	♦RTN	125 - 32
RG72D	♦RTN	91 - 19	RG211K	♦RTN	91 - 42	RG341K	RTN	97 - 94	RG7522D	♦RTN	162 - 57	RM217G	♦RTN	182 - 38
RG72K	♦RTN	91 - 20	RG212BL	♦RTN	88 - 63	RG342D	RTN	97 - 95	RG7522K	♦RTN	162 - 58	RM217T	♦RTN	182 - 39
RG73D	♦RTN	91 - 21	RG212D	♦RTN	91 - 43	RG342K	RTN	97 - 96	RG7523D	♦RTN	162 - 59	RM220D	RTN	104 - 79
RG73K	♦RTN	91 - 22	RG212K	♦RTN	91 - 44	RG343D	RTN	97 - 97	RG7523K	♦RTN	162 - 52	RM220G	♦RTN	104 - 80
RG80D	RTN	83 - 22	RG213BL	♦RTN	88 - 64	RG343K	RTN	97 - 98	RG7540D	♦RTN	162 - 60	RM220T	♦RTN	104 - 81
RG80K	RTN	83 - 23	RG213D	♦RTN	91 - 45	RG370D	♦RTN	158-110	RG7540K	♦RTN	162 - 61	RM221D	RTN	125 - 33
RG81D	RTN	83 - 24	RG213K	♦RTN	91 - 46	RG370K	♦RTN	159 - 1	RG7541D	♦RTN	162 - 62	RM221G	♦RTN	125 - 34
RG81K	RTN	83 - 25	RG220BL	♦RTN	123 - 39	RG371D	♦RTN	159 - 2	RG7541K	♦RTN	162 - 63	RM221T	♦RTN	125 - 35
RG82D	RTN	83 - 26	RG220D	♦RTN	122 - 11	RG371K	♦RTN	159 - 3	RG7542D	♦RTN	162 - 64	RM222D	RTN	52 - 61
RG82K	RTN	83 - 27	RG220K	♦RTN	122 - 12	RG372D	♦RTN	159 - 4	RG7542K	♦RTN	162 - 65	RM222G	♦RTN	52 - 62
RG83D	RTN	83 - 28	RG221BL	♦RTN	123 - 40	RG372K	♦RTN	159 - 5	RG7543D	♦RTN	162 - 66	RM222T	♦RTN	52 - 63
RG83K	RTN	83 - 29	RG221D	♦RTN	122 - 13	RG373D	♦RTN	159 - 6	RG7543K	♦RTN	162 - 67	RM224D	RTN	125 - 36
RG90D	♦RTN	131 - 2	RG221K	♦RTN	122 - 14	RG373K	♦RTN	159 - 7	RL10D	RTN	150 - 13	RM224G	♦RTN	125 - 37
RG90K	♦RTN	131 - 3	RG222BL	♦RTN	123 - 33	RG380D	♦RTN	159 - 8	RL10K	RTN	150 - 14	RM224T	♦RTN	125 - 38
RG91D	♦RTN	131 - 4	RG222D	♦RTN	122 - 15	RG380K	♦RTN	159 - 9	RL11D	RTN	150 - 15	RM225D	RTN	40 - 27
RG91K	♦RTN	131 - 5	RG222K	♦RTN	122 - 16	RG381D	♦RTN	159 - 10	RL11K	RTN	150 - 16	RM225G	♦RTN	40 - 28
RG92D	♦RTN	130-108	RG223BL	♦RTN	123 - 34	RG381K	♦RTN	159 - 11	RL12D	RTN	150 - 17	RM225T	♦RTN	40 - 29
RG92K	♦RTN	130-109	RG223D	♦RTN	122 - 17	RG382D	♦RTN	159 - 12	RL12K	RTN	150 - 18	RM226D	RTN	125 - 39
RG93D	♦RTN	130-110	RG223K	♦RTN	122 - 18	RG382K	♦RTN	159 - 13	RL13D	RTN	150 - 19	RM226G	♦RTN	125 - 40
RG93K	♦RTN	131 - 1	RG230D	♦RTN	91 - 47	RG383D	♦RTN	159 - 14	RL13K	RTN	150 - 20	RM227D	RTN	163 - 46
RG100D	♦RTN	91 - 23	RG230K	♦RTN	91 - 48	RG383K	♦RTN	159 - 15	RL20D	RTN	150 - 21	RM227G	♦RTN	182 - 40
RG100K	♦RTN	91 - 24	RG231D	♦RTN	91 - 49	RG3180D	♦RTN	83 - 46	RL20K	RTN	150 - 22	RM227P	RTN	163 - 47
RG101D	♦RTN	91 - 25	RG231K	♦RTN	91 - 50	RG3180K	♦RTN	83 - 47	RL21D	RTN	150 - 23	RM231D	RTN	125 - 41
RG101K	♦RTN	91 - 26	RG232D	♦RTN	91 - 51	RG3182D	♦RTN	83 - 48	RL21K	RTN	150 - 24	RM231G	♦RTN	125 - 42
RG102D	♦RTN	91 - 27	RG232K	♦RTN	91 - 52	RG3182K	♦RTN	83 - 49	RL22D	RTN	150 - 25	RM231T	RTN	125 - 43
RG102K	♦RTN	91 - 28	RG233D	♦RTN	91 - 53	RG3182P	RTN	80 - 16	RL22K	RTN	150 - 26	RM234D	RTN	125 - 44
RG103D	♦RTN	91 - 29	RG233K	♦RTN	91 - 54	RG3200D	RTN	103 - 58	RL23D	RTN	150 - 27	RM234G	♦RTN	125 - 45
RG103K	♦RTN	91 - 30	RG240BL	♦RTN	123 - 41	RG3200K	RTN	103 - 59	RL23K	RTN	150 - 28	RM234T	♦RTN	125 - 46
RG110D	♦RTN	91 - 31	RG240D	♦RTN	122 - 19	RG3202D	RTN	103 - 60	RL30D	RTN	150 - 29	RM236D	RTN	125 - 47
RG110K	♦RTN	91 - 32	RG240K	♦RTN	122 - 20	RG3202K	RTN	103 - 61	RL30K	RTN	150 - 30	RM236G	♦RTN	125 - 48
RG111D	♦RTN	91 - 33	RG241BL	♦RTN	123 - 42	RG3210D	RTN	84 - 36	RL31D	RTN	150 - 31	RM241D	RTN	125 - 49
RG111K	♦RTN	91 - 34	RG241D	♦RTN	122 - 21	RG3210K	RTN	84 - 37	RL31K	RTN	150 - 32	RM241G	♦RTN	125 - 50
RG112D	♦RTN	91 - 35	RG241K	♦RTN	122 - 22	RG3212D	RTN	84 - 38	RL32D	RTN	150 - 33	RM241T	♦RTN	125 - 51
RG112K	♦RTN	91 - 36	RG242BL	♦RTN	123 - 35	RG3212K	RTN	84 - 39	RL32K	RTN	150 - 34	RM246D	RTN	125 - 52
RG113D	♦RTN	91 - 37	RG242D	♦RTN	122 - 23	RG3220D	♦RTN	120 - 98	RL33D	RTN	150 - 35	RM246G	♦RTN	125 - 53
RG113K	♦RTN	91 - 38	RG242K	♦RTN	122 - 24	RG3220K	♦RTN	120 - 99	RL33K	RTN	150 - 36	RM261D	RTN	125 - 54
RG120D	♦RTN	121 - 8	RG243BL	♦RTN	123 - 36	RG3222D	♦RTN	120 - 78	RL40D	RTN	194-103	RM261G	♦RTN	125 - 55
RG120K	♦RTN	121 - 9	RG243D	♦RTN	122 - 25	RG3222K	♦RTN	120 - 79	RL40K	RTN	194-104	RM266D	RTN	125 - 56
RG121D	♦RTN	121 - 10	RG243K	♦RTN	122 - 26	RG3230D	RTN	84 - 40	RL41D	RTN	194-105	RM266G	♦RTN	125 - 57
RG121K	♦RTN	121 - 11	RG250BL	♦RTN	88 - 69	RG3230K	RTN	84 - 41	RL41K	RTN	194-106	RM286D	RTN	104 - 82
RG122D	♦RTN	120-110	RG250D	♦RTN	91 - 55	RG3232D	RTN	84 - 42	RL42D	RTN	194-107	RM286G	♦RTN	104 - 83
RG122K	♦RTN	121 - 1	RG250K	♦RTN	91 - 56	RG3232K	RTN	84 - 43	RL42K	RTN	194-108	RM288D	♦RTN	137 - 46
RG123D	♦RTN	121 - 2	RG251BL	♦RTN	88 - 70	RG3240D	♦RTN	120-100	RL43D	RTN	194-109	RM288T	♦RTN	137 - 47
RG123K	♦RTN	121 - 3	RG251D	♦RTN	91 - 57	RG3240K	♦RTN	120-101	RL43K	RTN	194-110	RM296D	RTN	104 - 84
RG130D	♦RTN	121 - 88	RG251K	♦RTN	91 - 58	RG3242D	♦RTN	120 - 80	RL60D	RTN	164 - 99	RM296G	♦RTN	104 - 85
RG130K	♦RTN	121 - 89	RG252BL	♦RTN	88 - 65	RG3242K	♦RTN	120 - 81	RL60K	RTN	164-100	RM930J	RTN	125 - 58
RG131D	♦RTN	121 - 90	RG252D	♦RTN	91 - 59	RG3250D	RTN	84 - 44	RL61D	RTN	164-101	RM930T	RTN	125 - 59
RG131K	♦RTN	121 - 91	RG252K	♦RTN	91 - 60	RG3250K	RTN	84 - 45	RL61K	RTN	164-102	RM932J	RTN	125 - 60
RG132D	♦RTN	128 - 15	RG253BL	♦RTN	88 - 66	RG3252D	RTN	84 - 46	RL62D	RTN	164-103	RM932T	RTN	125 - 61
RG132K	♦RTN	128 - 16	RG253D	♦RTN	91 - 61	RG3252K	RTN	84 - 47	RL62K	RTN	164-104	RM933J	RTN	131 - 81
RG133D	♦RTN	128 - 17	RG253K	♦RTN	91 - 62	RG3260D	♦RTN	120-102	RL63D	RTN	164-105	RM933T	RTN	131 - 82
RG133K	♦RTN	128 - 18	RG260BL	♦RTN	123 - 43	RG3260K	♦RTN	120-103	RL63K	RTN	164-106	RM934J	RTN	157-102
RG140D	♦RTN	121 - 92	RG260D	♦RTN	122 - 27	RG3262D	♦RTN	120 - 82	RL70D	RTN	164-107	RM935J	RTN	157-103
RG140K	♦RTN	121 - 93	RG260K	♦RTN	122 - 28	RG3262K	♦RTN	120 - 83	RL70K	RTN	164-108	RM936J	RTN	157-104
RG141D	♦RTN	121 - 94	RG261BL	♦RTN	123 - 44	RG3270D	RTN	84 - 48	RL71D	RTN	164-109	RM937J	RTN	157-105
RG141K	♦RTN	121 - 95	RG261D	♦RTN	122 - 29	RG3270K	RTN	84 - 49	RL71K	RTN	164-110	RM940J	RTN	157-106
RG142D	♦RTN	121 - 96	RG261K	♦RTN	122 - 30	RG3272D	RTN	84 - 50	RL72D	RTN	165 - 1	RM941D	RTN	157-107
RG142K	♦RTN	121 - 97	RG262BL	♦RTN	123 - 37	RG3272K	RTN	84 - 51	RL72K	RTN	165 - 2	RM941J	RTN	157-108
RG143D	♦RTN	121 - 98	RG262D	♦RTN	122 - 31	RG3300D	RTN	84 - 52	RL73D	RTN	165 - 3	RM944D	RTN	125 - 62
RG143K	♦RTN	121 - 99	RG262K	♦RTN	122 - 32	RG3300K	RTN	84 - 53	RL73K	RTN	165 - 4	RM944J	RTN	125 - 63
RG150D	♦RTN	134 - 52	RG263BL	♦RTN	123 - 38	RG3302D	RTN	84 - 54	RL141D	♦RTN	67 - 50	RM944T	RTN	125 - 64
RG150K	♦RTN	134 - 53	RG263D	♦RTN	122 - 33	RG3302K	RTN	84 - 55	RL143D	♦RTN	67 - 51	RM945D	RTN	53 - 98
RG151D	♦RTN	134 - 30	RG263K	♦RTN	122 - 34	RG3310D	RTN	84 - 56	RL151D	♦RTN	63 - 85	RM945J	RTN	53 - 99
RG151K	♦RTN	134 - 31	RG270D	♦RTN	91 - 63	RG3310K	RTN	84 - 57	RL153D	♦RTN	63 - 86	RM945Q	RTN	53-100
RG152D	♦RTN	134 - 32	RG270K	♦RTN	91 - 64	RG3312D	RTN	84 - 58	RL163D	♦RTN	67 - 47	RM945T	RTN	53-101
RG152K	♦RTN	134 - 33	RG271D	♦RTN	91 - 65	RG3312K	RTN	84 - 59	RL173D	♦RTN	63 - 82	RM946D	RTN	125 - 65
RG153D	♦RTN	134 - 34	RG271K	♦RTN	91 - 66	RG3320D	♦RTN	120-104	RL181D	♦RTN	67 - 48	RM946J	RTN	125 - 66
RG153K	♦RTN	134 - 35	RG272D	♦RTN	91 - 67	RG3320K	♦RTN	120-105	RL183D	♦RTN	67 - 49	RM946T	RTN	125 - 67
RG160D	♦RTN	176 - 83	RG272K	♦RTN	91 - 68	RG3322D	♦RTN	120 - 84	RL191D	♦RTN	63 - 83	RM948D	RTN	53-102
RG160K	♦RTN	176 - 84	RG273D	♦RTN	91 - 69	RG3322K	♦RTN	120 - 85	RL193D	♦RTN	63 - 84	RM948J	RTN	53-103
RG161D	♦RTN	176 - 85	RG273K	♦RTN	91 - 70	RG3380D	♦RTN	158 - 97	RL211D	RTN	189 - 25	RM948Q	RTN	53-104
RG161K	♦RTN	176 - 86	RG280D	RTN	83 - 38	RG3380K	♦RTN	158 - 98	RL211K	RTN	189 - 26	RM948T	RTN	54 - 1
RG162D	♦RTN	176 - 87	RG280K	RTN	83 - 39	RG3382D	♦RTN	158 - 89	RL213D	RTN	189 - 27	RM949D	RTN	125 - 68
RG162K	♦RTN	176 - 88	RG281D	RTN	83 - 40	RG3382K	♦RTN	158 - 90	RL213K	RTN	189 - 28	RM949J	RTN	125 - 69
RG163D	♦RTN	176 - 89	RG281K	RTN	83 - 41	RG3390D	RTN	80 - 17	RL3100N	RTN	150 - 5	RM949T	RTN	125 - 70
RG163K	♦RTN	176 - 90	RG282D	RTN	83 - 42	RG3390K	RTN	80 - 18	RL3102N	RTN	150 - 6	RM950D	RTN	52 - 64
RG170D	♦RTN	134 - 36	RG282K	RTN	83 - 43	RG3392D	RTN	80 - 19	RL3200K	RTN	194-101	RM950J	RTN	52 - 65
RG170K	♦RTN	134 - 37	RG283D	RTN	83 - 44	RG3392K	RTN	80 - 20	RL3202K	RTN	194-102	RM950Q	RTN	52 - 66
RG171D	♦RTN	134 - 38	RG283K	RTN	83 - 45	RG3400D	RTN	80 - 21	RM8T13DD	♦RTN	176 - 61	RM950T	RTN	52 - 67
RG171K	♦RTN	134 - 39	RG290D	RTN	134 - 44	RG3400K	RTN	80 - 22	RM8T13L	♦RTN	176 - 62	RM951D	RTN	137 - 48
RG172D	♦RTN	134 - 40	RG290K	RTN	134 - 45	RG3402D	RTN	80 - 23	RM8T13MP	♦RTN	176 - 63	RM951J	RTN	137 - 49
RG172K	♦RTN	134 - 41	RG291D	RTN	134 - 46	RG3402K	RTN	80 - 24	RM8T14L	♦RTN	178 - 90	RM951Q	RTN	137 - 50
RG173D	♦RTN	134 - 42	RG291K	RTN	134 - 47	RG3410D	♦RTN	97 - 88	RM8T14MP	♦RTN	178 - 91	RM951T	RTN	137 - 51
RG173K	♦RTN	134 - 43	RG292D	RTN	134 - 48	RG3410K	♦RTN	97 - 89	RM201D	RTN	125 - 17	RM957D	RTN	104 - 86
RG180D	♦RTN	83 - 30	RG292K	RTN	134 - 49	RG3412D	♦RTN	97 - 86	RM201G	♦RTN	125 - 18	RM957J	RTN	105 - 1
RG180K	♦RTN	83 - 31	RG293D	RTN	134 - 50	RG3412K	♦RTN	97 - 87	RM201T	♦RTN	125 - 19	RM958D	RTN	105 - 2
RG181D	♦RTN	83 - 32	RG293K	RTN	134 - 51	RG3420D	♦RTN	120-106	RM202D	RTN	52 - 55	RM958J	RTN	105 - 3

Δ-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

3. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line
RM961D	RTN	125 - 71	S8H70A	♦SIC	127 - 46	S5410J	SIC	115 - 95	S8264N	SIC	189 - 95	S8840F	SIC	130 - 52
RM961J	RTN	125 - 72	S8H70J	♦SIC	127 - 47	S5411A	SIC	81 - 76	S8264P	SIC	189 - 96	S8840J	♦SIC	130 - 53
RM961T	RTN	125 - 73	S8H80A	♦SIC	127 - 48	S5411Q	SIC	81 - 77	S8264Y	SIC	189 - 97	S8848A	♦SIC	99 - 96
RM962D	RTN	125 - 74	S8H80J	♦SIC	127 - 49	S5416A	SIC	156 - 47	S8266B	SIC	189 - 98	S8848F	SIC	99 - 97
RM962J	RTN	125 - 75	S8H90A	♦SIC	158 - 66	S5416F	SIC	156 - 48	S8266E	SIC	189 - 99	S8848J	♦SIC	99 - 98
RM962T	RTN	125 - 76	S8H90F	SIC	158 - 67	S5416Q	SIC	156 - 49	S8266R	SIC	189 - 100	S8855A	♦SIC	127 - 50
RM963D	RTN	125 - 77	S8H90J	♦SIC	158 - 68	S5417A	SIC	156 - 50	S8267B	SIC	189 - 101	S8855F	SIC	127 - 51
RM963J	RTN	125 - 78	S8T01B	SIC	71 - 27	S5417F	SIC	156 - 51	S8267E	SIC	189 - 102	S8855J	♦SIC	127 - 52
RM963T	RTN	125 - 79	S8T01E	SIC	71 - 28	S5417Q	SIC	156 - 52	S8267R	SIC	189 - 103	S8870A	♦SIC	120 - 62
RM993D	RTN	40 - 15	S8T04E	♦SIC	77 - 87	S5420A	SIC	115 - 96	S8268A	SIC	150 - 7	S8870F	SIC	120 - 63
RM993J	RTN	40 - 16	S8T04R	♦SIC	77 - 88	S5420J	SIC	115 - 97	S8268F	SIC	150 - 8	S8870J	♦SIC	120 - 64
RM994D	RTN	40 - 17	S8T05E	♦SIC	77 - 95	S5421A	SIC	81 - 78	S8268Q	SIC	150 - 9	S8875A	SIC	97 - 78
RM994J	RTN	40 - 18	S8T05R	♦SIC	77 - 96	S5421J	SIC	81 - 79	S8269A	SIC	192 - 35	S8875F	SIC	97 - 79
RM997D	RTN	40 - 19	S8T06B	SIC	77 - 82	S5426A	SIC	115 - 98	S8269F	SIC	192 - 36	S8875J	SIC	97 - 80
RM997J	RTN	40 - 20	S8T06E	SIC	77 - 83	S5426F	SIC	115 - 99	S8269Q	SIC	192 - 37	S8880A	♦SIC	120 - 65
RM999D	RTN	40 - 21	S8T06R	SIC	77 - 84	S5430A	SIC	115 - 100	S8275B	SIC	59 - 26	S8880F	SIC	120 - 66
RM999J	RTN	40 - 22	S8T09A	SIC	176 - 36	S5430J	SIC	115 - 101	S8275E	SIC	59 - 27	S8880J	♦SIC	120 - 67
RM5520DD	♦RTN	173 - 22	S8T09F	SIC	176 - 37	S5440A	SIC	115 - 102	S8275R	SIC	59 - 28	S8881A	SIC	107 - 63
RM5520MP	♦RTN	173 - 23	S8T09Q	SIC	176 - 38	S5440Q	SIC	115 - 103	S8280A	♦SIC	68 - 34	S8881F	SIC	120 - 68
RM5521DD	♦RTN	173 - 24	S8T10B	SIC	59 - 2	S5442B	SIC	74 - 1	S8280F	SIC	69 - 11	S8881J	SIC	107 - 64
RM5521MP	♦RTN	173 - 25	S8T10E	SIC	59 - 3	S5442E	SIC	74 - 2	S8280Q	SIC	69 - 12	S8885A	SIC	97 - 81
RM5522DD	♦RTN	173 - 26	S8T10R	SIC	59 - 4	S5442R	SIC	74 - 3	S8281A	♦SIC	64 - 57	S8885F	SIC	97 - 82
RM5522MP	♦RTN	173 - 27	S8T13E	FSC	176 - 64	S5443B	SIC	78 - 49	S8281F	SIC	67 - 24	S8885J	SIC	97 - 83
RM5523DD	♦RTN	173 - 28		♦SIC		S5443E	SIC	78 - 50	S8281Q	SIC	67 - 25	S54107A	SIC	45 - 56
RM5523MP	♦RTN	173 - 29	S8T13R	♦SIC	176 - 65	S5443R	SIC	78 - 51	S8284F	AMV	70 - 26	S54121A	SIC	139 - 17
RM5524DD	♦RTN	173 - 30	S8T14E	FSC	178 - 92	S5444B	SIC	79 - 46		SIC		S54121F	SIC	139 - 18
RM5524MP	♦RTN	173 - 31		SIC		S5444R	SIC	79 - 47	S8285A	SIC	63 - 66	S54121Q	SIC	139 - 19
RM5525DD	♦RTN	173 - 32	S8T14R	♦SIC	178 - 93	S5445E	SIC	74 - 4	S8285F	AMV	62 - 90	S54122A	SIC	138 - 65
RM5525MP	♦RTN	173 - 33	S8T18A	SIC	151 - 42	S5445R	SIC	74 - 5		SIC		S54122F	SIC	138 - 66
RM6172T	RTN	123 - 32	S8T18F	SIC	151 - 43	S5450A	SIC	83 - 97	S8285Q	SIC	63 - 67	S54122Q	SIC	139 - 20
RM6175G	♦RTN	105 - 4	S8T18J	♦SIC	151 - 44	S5450J	SIC	83 - 98	S8288A	SIC	67 - 26	S54123B	SIC	138 - 67
RM6176G	♦RTN	105 - 5	S8T20B	SIC	139 - 31	S5451A	SIC	83 - 99	S8288F	SIC	67 - 27	S54123E	SIC	138 - 68
RM6178T	RTN	125 - 80	S8T20E	SIC	139 - 32	S5451J	SIC	83 - 100	S8288Q	SIC	67 - 28	S54145E	SIC	74 - 11
RM6179T	RTN	125 - 81	S8T80A	SIC	150 - 109	S5453A	SIC	83 - 101	S8290A	SIC	63 - 71	S54145R	SIC	74 - 12
RM6180T	♦RTN	125 - 82	S8T80F	SIC	150 - 110	S5453J	SIC	83 - 102	S8290F	SIC	63 - 72	S54150N	SIC	186 - 90
RM6181T	♦RTN	125 - 83	S8T80J	♦SIC	151 - 1	S5454A	SIC	83 - 103	S8290Q	SIC	63 - 73	S54150P	SIC	187 - 1
RM6184T	RTN	125 - 84	S8T90A	SIC	151 - 2	S5454J	SIC	83 - 104	S8291A	SIC	67 - 32	S54150Y	SIC	187 - 2
RM6185T	RTN	125 - 85	S8T90F	SIC	151 - 3	S5460A	SIC	133 - 11	S8291F	SIC	67 - 33	S54151B	SIC	187 - 3
RM9622D	♦RTN	179 - 4	S8T90J	♦SIC	151 - 4	S5460J	SIC	133 - 12	S8291Q	SIC	67 - 34	S54151E	SIC	187 - 4
RM9622DP	♦RTN	179 - 5	S54H00A	SIC	115 - 75	S5470A	SIC	38 - 21	S8292A	SIC	63 - 63	S54151R	SIC	187 - 5
RM9622J	♦RTN	179 - 6	S54H00Q	SIC	115 - 76	S5470J	SIC	38 - 22	S8292F	SIC	63 - 64	S54152Q	SIC	187 - 6
RSN54H00H	♦TII	115 - 65	S54H01A	SIC	115 - 77	S5472A	SIC	38 - 15	S8292Q	SIC	63 - 65	S54154N	SIC	187 - 7
	TIIB		S54H01Q	SIC	115 - 78	S5472J	SIC	38 - 16	S8293A	SIC	67 - 16	S54154P	SIC	187 - 8
RSN54H04H	♦TII	156 - 31	S54H04A	SIC	156 - 33	S5473A	SIC	38 - 17	S8293F	SIC	67 - 17	S54154Y	SIC	187 - 9
	TIIB		S54H04Q	SIC	156 - 34	S5473J	SIC	38 - 18	S8293Q	SIC	67 - 18	S54161B	SIC	65 - 27
RSN54H10H	♦TII	115 - 66	S54H05A	SIC	156 - 35	S5474A	SIC	57 - 46	S8415A	♦SIC	103 - 85	S54161E	SIC	65 - 28
	TIIB		S54H05Q	SIC	156 - 36	S5474J	SIC	57 - 47	S8415F	SIC	103 - 86	S54161R	SIC	65 - 29
RSN54H20H	♦TII	115 - 67	S54H08A	SIC	81 - 65	S5475B	SIC	56 - 79	S8415J	♦SIC	103 - 87	S54162B	SIC	66 - 21
	TIIB		S54H08Q	SIC	81 - 66	S5476B	SIC	44 - 36	S8416A	♦SIC	105 - 105	S54162E	SIC	66 - 22
RSN54H31H	♦TII	115 - 68	S54H10A	SIC	115 - 79	S5477Q	SIC	193 - 87	S8416F	SIC	105 - 106	S54162R	SIC	66 - 23
	TIIB		S54H10Q	SIC	115 - 80	S5480A	SIC	148 - 80	S8416J	♦SIC	105 - 107	S54163B	SIC	68 - 77
RSN54H40H	♦TII	115 - 69	S54H11A	SIC	81 - 67	S5480Q	SIC	148 - 81	S8417A	♦SIC	103 - 88	S54163E	SIC	68 - 78
	TIIB		S54H11Q	SIC	81 - 68	S5483E	SIC	148 - 82	S8417F	SIC	103 - 89	S54163R	SIC	68 - 79
RSN54H56H	♦TII	87 - 48	S54H20A	SIC	115 - 81	S5483R	SIC	148 - 83	S8417J	♦SIC	103 - 90	S54180A	SIC	192 - 87
	TIIB		S54H20Q	SIC	115 - 82	S5486A	SIC	129 - 80	S8424A	♦SIC	54 - 14	S54180F	SIC	192 - 88
RSN54H57H	♦TII	87 - 49	S54H21A	SIC	81 - 69	S5486F	SIC	129 - 81	S8424F	SIC	54 - 15	S54180Q	SIC	192 - 89
	TIIB		S54H21Q	SIC	81 - 70	S5486J	SIC	129 - 82	S8424J	♦SIC	54 - 16	S54192B	SIC	68 - 80
RSN54H58H	♦TII	87 - 50	S54H22A	SIC	115 - 83	S5490A	♦SIC	62 - 25	S8425A	SIC	54 - 17	S54192E	SIC	68 - 81
	TIIB		S54H22Q	SIC	115 - 84	S5490Q	♦SIC	62 - 26	S8425F	SIC	54 - 18	S54192R	SIC	68 - 82
RSN54H66H	♦TII	87 - 51	S54H30A	SIC	115 - 85	S5492A	♦SIC	65 - 77	S8425J	SIC	54 - 19	S54193B	SIC	66 - 24
	TIIB		S54H30Q	SIC	115 - 86	S5492Q	♦SIC	65 - 78	S8440A	♦SIC	130 - 79	S54193E	SIC	66 - 25
RSN54H74H	♦TII	58 - 6	S54H40A	SIC	115 - 87	S5493A	♦SIC	65 - 79	S8440F	SIC	130 - 80	S54193R	SIC	66 - 26
	TIIB		S54H40Q	SIC	115 - 88	S5493Q	♦SIC	65 - 80	S8440J	♦SIC	130 - 81	S/H725	♦HBC	195 - 18
RSN54H103H	♦TII	46 - 38	S54H50A	SIC	87 - 55	S8162A	♦SIC	137 - 15	S8455A	♦SIC	128 - 30	S/H725LHC	♦HBC	195 - 19
	TIIB		S54H50Q	SIC	87 - 56	S8162F	SIC	137 - 16	S8455F	SIC	128 - 31	S/H725WB	♦HBC	195 - 21
RSN54H149H	♦TII	186 - 89	S54H51A	SIC	87 - 57	S8162J	♦SIC	137 - 17	S8455J	♦SIC	128 - 32	S/H730	♦HBC	195 - 15
	TIIB		S54H51Q	SIC	87 - 58	S8230B	SIC	189 - 80	S8470A	♦SIC	122 - 4	SAH190	INTG	163 - 59
RSN54L00H	♦TII	108 - 21	S54H52A	SIC	83 - 95	S8230E	SIC	189 - 81	S8470F	SIC	122 - 5	SAJ110	♦PHIN	166 - 7
	TIIB		S54H52Q	SIC	83 - 96	S8230R	SIC	189 - 82	S8470J	♦SIC	122 - 6		♦VALG	
RSN54L10H	♦TII	108 - 22	S54H53A	SIC	87 - 59	S8231B	SIC	189 - 83	S8471A	♦SIC	107 - 48	SAJ110A	INTG	166 - 8
	TIIB		S54H53J	SIC	87 - 60	S8231E	SIC	189 - 84	S8471J	♦SIC	107 - 49	SAJ110B	INTG	166 - 9
RSN54L20H	♦TII	108 - 23	S54H54A	SIC	87 - 61	S8231R	SIC	189 - 85	S8480A	♦SIC	122 - 7	SAJ210AX2	♦SGAI	165 - 24
	TIIB		S54H54J	SIC	87 - 62	S8232B	SIC	189 - 86	S8480F	SIC	122 - 8	SAJ210AX7	♦SGAI	165 - 25
RSN54L57H	♦TII	84 - 35	S54H55A	SIC	87 - 63	S8232E	SIC	189 - 87	S8480J	♦SIC	122 - 9	SAJ220H	INTG	165 - 54
	TIIB		S54H55J	SIC	87 - 64	S8232R	SIC	189 - 88	S8481A	♦SIC	107 - 50	SAJ220S	INTG	165 - 55
RSN54L71H	♦TII	53 - 14	S54H60A	SIC	133 - 5	S8233B	SIC	189 - 89	S8481F	SIC	107 - 51	SAJ250A	♦PHIN	60 - 37
	TIIB		S54H60J	SIC	133 - 6	S8233E	SIC	189 - 90	S8481J	♦SIC	107 - 52	SAJ250AA	♦VALG	60 - 38
RSN54L72H	♦TII	42 - 90	S54H61A	SIC	133 - 7	S8233R	SIC	189 - 91	S8490A	♦SIC	159 - 27	SAJ250AB	♦VALG	60 - 39
	TIIB		S54H61J	SIC	133 - 8	S8234B	SIC	185 - 3	S8490F	SIC	159 - 28	SAJ250B	♦PHIN	60 - 40
RSN54L74H	♦TII	56 - 86	S54H62A	SIC	133 - 9	S8234E	SIC	185 - 4	S8490J	♦SIC	159 - 29	SAJ250BA	♦VALG	60 - 41
	TIIB		S54H62J	SIC	133 - 10	S8234R	SIC	185 - 5	S8731A	♦SIC	131 - 19	SAK100	♦VALG	164 - 98
RSN54L130H	♦TII	108 - 24	S54H72A	SIC	46 - 39	S8235B	SIC	185 - 6	S8731F	SIC	131 - 20	SAK115	INTG	163 - 56
	TIIB		S54H72Q	SIC	46 - 40	S8235E	SIC	185 - 7	S8731J	♦SIC	131 - 21	SAY115	INTG	163 - 57
RSN54L131H	♦TII	108 - 25	S54H73A	SIC	46 - 41	S8235R	SIC	185 - 8	S8806A	♦SIC	132 - 47	SCL1006	♦ANA	164 - 71
	TIIB		S54H73Q	SIC	46 - 42	S8241A	SIC	128 - 73	S8806F	SIC	132 - 48	SCL4000AD	SSS	93 - 32
RSN5400H	♦TII	115 - 70	S54H74A	SIC	58 - 23	S8241F	SIC	128 - 74	S8806J	♦SIC	132 - 49	SCL4000AE	SSS	93 - 33
	TIIB		S54H74Q	SIC	58 - 24	S8241Q	SIC	128 - 75	S8808A	♦SIC	120 - 57	SCL4000AF	SSS	93 - 34
RSN5404H	♦TII	156 - 32	S54H76B	SIC	46 - 43	S8242A	SIC	97 - 74	S8808J	♦SIC	120 - 58	SCL4001AD	SSS	93 - 35
	TIIB		S1694	AMI	64 - 77	S8242F	SIC	93 - 3	S8815A	SIC	97 - 76	SCL4001AE	SSS	93 - 36
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Δ-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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Δ-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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SN54161N	FSC	62- 66
SN54161W	AMV	66- 32
	♦TII	TIIB
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SN54162W	AMV	62- 68
	♦TII	TIIB
SN54163J	AMV	66- 33
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SN54191N	FSC	66- 36
SN54191W	FSC	66- 37
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SN54192W	AMV	63- 10
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SN54193N	FSC	66- 73
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SN54196N	FSC	63- 29
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SN54247J	♦TII	77- 22
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SN54247W	♦TII	77- 23
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SN54249W	♦TII	77- 27
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SN54251J	♦TII	187- 95
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SN54251W	♦TII	187- 96
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SN54283J	♦TII	149- 31
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SN54285J	♦TII	184- 60
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SN54290J	♦TII	68- 90
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SN54290W	♦TII	68- 91
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SN54293J	♦TII	66- 75
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SN54298J	♦TII	187- 97
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SN54298W	♦TII	187- 98
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SN54365J	♦TII	174- 71
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SN54365W	♦TII	174- 72
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SN54366J	♦TII	174- 73
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SN54366W	♦TII	174- 74
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SN54367J	♦TII	174- 75
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SN54368J	♦TII	174- 77
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SN54390J	♦TII	63- 22
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SN55107J	♦FSC	177- 85
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SN55108AW	AMV	178- 40
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SN55109J	AMV	177- 87
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Δ-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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SN55113SB	♦TII	175 - 91
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SN55114J	♦TII	175 - 92
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SN55114SB	♦TII	175 - 93
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SN55122J	♦TII	177 - 91
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SN55182J	♦TII	178 - 8
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SN55232J	♦TII	173-106
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SN55232JA	♦TII	173-107
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SN55233J	♦TII	173-108
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SN55233JA	♦TII	173-109
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SN55234J	♦TII	173-110
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SN55234JA	♦TII	174 - 1
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SN55235J	♦TII	174 - 2
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SN55238JA	♦TII	174 - 7
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SN55239J	♦TII	174 - 8
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SN55453BJP	♦TII	180 - 94
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SN55453BL	♦TII	180 - 95
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SN55454BJP	♦TII	180 - 96
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SN55464L	♦TII	180-107
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SN74100N	♦TII	193-109
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SN74109W	FSC	43 - 37
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SN74120N	♦TII	179 - 48
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SN74126J	♦TII	174 - 81
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SN74136J	♦TII	130 - 18
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SN74147N	♦TII	78 - 19
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SN74148N	♦TII	79 - 17
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SN74150N	FSC	187-100
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SN74151AN	♦TII	187-102
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SN74151J	FSC	164 - 18
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SN74155N	FSC	72 - 9
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SN74156J	FSC	72 - 10
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SN74156N	FSC	72 - 11
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SN74157J	AMV	187-106
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SN74157N	AMV	187-107
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SN74159N	♦TII	194 - 87
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SN74161J	AMV	66 - 38
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SN74161N	AMV	66 - 39
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SN74162J	AMV	62 - 74
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SN74163J	AMV	66 - 40
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SN74163N	AMV	66 - 41
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SN74167J	♦TII	184 - 80
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SN74167N	♦TII	184 - 81
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SN74174J	♦AMV	57 - 71
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SN74174N	♦AMV	57 - 72
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SN74174W	FSC	57 - 73
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SN74180N	FSC	192-101
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SN74181N	AMV	191 - 54
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	♦TII	TIIB
SN74182J	AMV	195 - 75
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SN74182N	AMV	195 - 76
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SN74190J	FSC	62 - 76
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SN74190N	FSC	62 - 77
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SN74190W	FSC	64 - 16
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SN74192N	AMV	63 - 12
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SN74193N	AMV	66 - 78
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SN74196J	FSC	63 - 32
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SN74196N	FSC	63 - 33
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SN74197N	FSC	66 - 97
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SN74247J	♦TII	77 - 30
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SN74283J	♦TII	149 - 33
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SN74293J	♦TII	66 - 79
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SN74365N	♦TII	174 - 84
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SN74366J	♦TII	174 - 85
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SN74366N	♦TII	174 - 86
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SN74367N	♦TII	174 - 88
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SN74368J	♦TII	174 - 89
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SN74368N	♦TII	174 - 90
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SN74390J	♦TII	63 - 24
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SN74390N	♦TII	63 - 25
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SN74393J	♦TII	66 - 90
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SN74393N	♦TII	66 - 91
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SN75108J	♦FSC	177 - 94
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SN75109N	AMV	177 - 97
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SN75113SB	♦TII	176 - 2
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SNG102W	TII	90-108
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SNG103J	TII	90-109
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SNG103W	TII	90-110
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SNG110J	TII	91 - 1
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SNG110W	TII	91 - 2
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SNG111J	TII	91 - 3
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SNG111W	TII	91 - 4
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SNG112W	TII	91 - 6
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△-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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SW7400J	SWM	117 -101	SW54155J	♦SWM	72 - 16	T74S153J	♦TEC	188 - 29	T152D1	SGAI	147 -102	TF51F	TEC	42 - 7
SW7400N	SWM	117 -102	SW54156J	♦SWM	72 - 17	T74S157F	♦TEC	188 - 30	T152D2	SGAI	147 -100	TF51J	TEC	42 - 8
SW7401J	SWM	117 -103	SW54160J	SWM	63 - 13	T74S157J	♦TEC	188 - 31	T163B1	SGAI	185 - 44	TF52F	TEC	42 - 74
SW7401N	SWM	117 -104	SW54161J	SWM	66 - 81	T74S158F	♦TEC	188 - 32	T163D1	SGAI	185 - 45	TF52J	TEC	42 - 75
SW7402J	SWM	97 - 28	SW54162J	SWM	63 - 14	T74S158J	♦TEC	188 - 33	T163D2	SGAI	185 - 34	TF53F	TEC	42 - 76
SW7402N	SWM	97 - 29	SW54163J	SWM	66 - 82	T74S174F	♦TEC	58 - 77	T164B1	♦SGAI	185 - 46	TF53J	TEC	42 - 77
SW7403J	SWM	117 -105	SW54180H	SWM	164 - 25	T74S174J	♦TEC	58 - 78	T164D1	♦SGAI	185 - 47	TF54S74F	♦TEC	58 - 81
SW7403N	SWM	117 -106	SW54180J	♦SWM	164 - 26	T74S175F	♦TEC	58 - 79	T164D2	♦SGAI	188 - 36	TF54S74J	♦TEC	58 - 82
SW7404J	SWM	157 - 42	SW54181J	SWM	191 - 55	T74S175J	♦TEC	58 - 80	T200	♦ABA	122 - 92	TF54S112F	♦TEC	47 - 67
SW7404N	SWM	157 - 43	SW54182J	SWM	195 - 77	T74S181	♦TEC	191 - 60	T201	♦ABA	122 - 93	TF54S112J	♦TEC	47 - 68
SW7405J	SWM	157 - 44	SW54192J	♦SWM	62 - 78	T74S182F	♦TEC	195 - 82	T202	♦ABA	122 - 94	TF54S113F	♦TEC	47 - 69
SW7405N	SWM	157 - 45	SW54193J	♦SWM	62 - 79	T74S182J	♦TEC	195 - 83	T203	♦ABA	122 - 95	TF54S113J	♦TEC	47 - 70
SW7406J	SWM	157 - 46	SW74100J	♦SWM	194 - 6	T74S251F	♦TEC	188 - 34	T207	♦ABA	122 - 96	TF54S114F	♦TEC	47 - 71
SW7406N	SWM	157 - 47	SW74100N	♦SWM	194 - 7	T74S251J	♦TEC	188 - 35	T208	♦ABA	122 - 97	TF54S114J	♦TEC	47 - 72
SW7407J	SWM	157 - 48	SW74104J	SWM	51 - 19	T100	♦ABA	50 - 63	T211	♦ABA	89 - 60	TF60F	TEC	42 - 9
SW7407N	SWM	157 - 49	SW74104N	SWM	51 - 20	T100B1-14	SGAI	42 - 21	T212	♦ABA	89 - 61	TF60J	TEC	42 - 10
SW7408N	SWM	117 -107	SW74105J	SWM	51 - 21	T100D1-14	SGAI	42 - 22	T213	♦ABA	134 - 80	TF61F	TEC	42 - 11
SW7410J	SWM	117 -108	SW74105N	SWM	51 - 22	T100D2-14	SGAI	41 - 96	T214	♦ABA	159 - 47	TF61J	TEC	42 - 12
SW7410N	SWM	117 -109	SW74107J	SWM	46 - 14	T100F1	SGAI	42 - 23	T215	♦ABA	75 -110	TF62F	TEC	42 - 78
SW7413J	SWM	162 - 2	SW74107N	SWM	46 - 15	T100F2	SGAI	41 - 97	T216	♦ABA	150 - 40	TF62J	TEC	42 - 79
SW7413N	SWM	162 - 3	SW74121J	♦SWM	139 - 60	T101	♦ABA	50 - 64	T217	♦ABA	190 - 24	TF63F	TEC	42 - 80
SW7416J	SWM	157 - 50	SW74121N	♦SWM	139 - 69	T101B1-14	SGAI	42 - 24	T218	♦ABA	192 - 42	TF63J	TEC	42 - 81
SW7416N	SWM	157 - 51	SW74122J	♦SWM	136 - 94	T101D1-14	SGAI	42 - 25	T219	ABA	75 - 37	TF74S74F	♦TEC	58 - 83
SW7417J	SWM	157 - 52	SW74122N	♦SWM	136 - 95	T101D2-14	SGAI	41 - 98	T220	ABA	185 - 35	TF74S74J	♦TEC	58 - 84
SW7417N	SWM	157 - 53	SW74123J	♦SWM	136 - 96	T101F1	SGAI	42 - 26	T221	ABA	190 -102	TF74S112F	♦TEC	47 - 73
SW7420J	SWM	117 -110	SW74123N	♦SWM	136 - 97	T101F2	SGAI	41 - 99	T222	ABA	185 - 36	TF74S112J	♦TEC	47 - 74
SW7420N	SWM	118 - 1	SW74141J	SWM	74 - 55	T102B1-14	SGAI	126 - 65	T223	ABA	78 - 88	TF74S113F	♦TEC	47 - 75
SW7423J	SWM	97 - 30	SW74141N	♦SWM	74 - 56	T102D1-14	SGAI	126 - 66	T300	♦ABA	60 - 80	TF74S113J	♦TEC	47 - 76
SW7423N	SWM	97 - 31	SW74145J	♦SWM	74 - 57	T102D2-14	SGAI	126 - 33	T301	♦ABA	139 - 34	TF74S114F	♦TEC	47 - 77
SW7425J	SWM	97 - 32	SW74145N	♦SWM	74 - 58	T102F1	SGAI	126 - 67	T302	♦ABA	139 - 35	TF74S114J	♦TEC	47 - 78
SW7425N	SWM	97 - 33	SW74150J	♦SWM	188 - 6	T102F2	SGAI	126 - 34	T306	♦ABA	60 - 20	TF80F	♦TEC	57 - 11
SW7426N	SWM	118 - 2	SW74150N	♦SWM	188 - 7	T103Ø	♦ABA	50 - 65			162 - 34	TF80J	♦TEC	57 - 12
SW7430J	SWM	118 - 3	SW74151J	♦SWM	188 - 8	T103B1-14	SGAI	98 - 29	T513	ABA	194 - 70	TF81F	TEC	57 - 13
SW7430N	SWM	118 - 4	SW74151N	♦SWM	188 - 9	T103D1-14	SGAI	98 - 30	T7400B1	♦SGAI	118 - 11	TF81J	TEC	57 - 14
SW7437J	SWM	118 - 5	SW74153J	♦SWM	188 - 10	T103D2-14	SGAI	98 - 3	T7401B1	♦SGAI	118 - 12	TF82F	♦TEC	57 - 15
SW7437N	SWM	118 - 6	SW74153N	♦SWM	188 - 11	T103F1	SGAI	98 - 31	T7402B1	♦SGAI	97 - 34	TF82J	♦TEC	57 - 16
SW7438J	SWM	118 - 7	SW74154J	SWM	72 - 18	T103F2	SGAI	98 - 4	T7403B1	♦SGAI	118 - 13	TF83F	TEC	57 - 17
SW7438N	SWM	118 - 8	SW74154N	SWM	72 - 19	T104B1-14	SGAI	126 - 68	T7404B1	♦SGAI	157 - 54	TF83J	TEC	57 - 18
SW7440J	SWM	118 - 9	SW74155J	♦SWM	72 - 20	T104D1-14	SGAI	126 - 69	T7405B1	♦SGAI	157 - 55	TF90F	♦TEC	58 - 35
SW7440N	SWM	118 - 10	SW74155N	♦SWM	72 - 21	T104D2-14	SGAI	126 - 35	T7406B1	♦SGAI	157 - 56	TF90J	♦TEC	58 - 36
SW7441AJ	SWM	74 - 49	SW74156J	♦SWM	72 - 22	T104F1	SGAI	126 - 70	T7407B1	SGAI	157 - 57	TF91F	♦TEC	58 - 37
SW7441AN	SWM	74 - 50	SW74156N	♦SWM	72 - 23	T104F2	SGAI	126 - 36	T7408B1	SGAI	126 -101	TF91J	♦TEC	58 - 38
SW7442J	♦SWM	72 - 65	SW74160J	SWM	63 - 15	T105	♦ABA	166 - 6	T7409B1	SGAI	126 -102	TF92F	♦TEC	58 - 39
SW7442N	♦SWM	72 - 66	SW74161J	SWM	66 - 83	T105B1-14	SGAI	126 - 71	T7410B1	♦SGAI	118 - 14	TF92J	♦TEC	58 - 40
SW7443J	♦SWM	78 - 21	SW74162J	SWM	63 - 16	T105D1-14	SGAI	126 - 72	T7416B1	♦SGAI	157 - 58	TF93F	♦TEC	58 - 41
SW7443N	♦SWM	78 - 22	SW74163J	SWM	66 - 84	T105D2-14	SGAI	98 - 5	T7417B1	SGAI	157 - 59	TF93J	♦TEC	58 - 42
SW7444J	♦SWM	79 - 57	SW74180H	SWM	164 - 27	T105F1	SGAI	126 - 73	T7420B1	♦SGAI	118 - 15	TF100F	TEC	50 - 38
SW7444N	♦SWM	79 - 58	SW74180J	♦SWM	164 - 28	T105F2	SGAI	98 - 6	T7426B1	SGAI	118 - 16	TF100J	TEC	50 - 39
SW7445J	♦SWM	74 - 51	SW74180N	♦SWM	164 - 29	T106Ø	♦ABA	63 - 90	T7430B1	♦SGAI	118 - 17	TF101F	TEC	50 - 40
SW7445N	♦SWM	74 - 52	SW74181J	SWM	191 - 56	T106B1-14	SGAI	132 - 72	T7440B1	♦SGAI	118 - 18	TF101J	TEC	50 - 41
SW7446AJ	♦SWM	77 - 41	SW74181N	SWM	191 - 57	T106D1-14	SGAI	132 - 73	T7441AB1	♦SGAI	74 - 59	TF102F	TEC	50 - 42
SW7446AN	♦SWM	77 - 42	SW74182J	SWM	195 - 78	T106D2-14	SGAI	132 - 53	T7442B1	SGAI	74 - 60	TF102J	TEC	50 - 43
SW7446J	♦SWM	77 - 43	SW74182N	SWM	195 - 79	T106F1	SGAI	132 - 74	T7443B1	SGAI	78 - 64	TF103F	TEC	50 - 44
SW7446N	♦SWM	77 - 44	SW74192J	♦SWM	62 - 80	T106F2	SGAI	132 - 54	T7444B1	SGAI	78 - 85	TF103J	TEC	50 - 45
SW7447AJ	♦SWM	77 - 45	SW74192N	♦SWM	62 - 81	T107	ABA	68 - 20	T7450B1	♦SGAI	99 - 35	TF110F	TEC	50 - 46
SW7447AN	♦SWM	77 - 46	SW74193J	♦SWM	62 - 82	T107B1-14	SGAI	126 - 74	T7451B1	♦SGAI	99 - 36	TF110J	TEC	50 - 47
SW7447J	♦SWM	77 - 47	SW74193N	♦SWM	62 - 83	T107D1-14	SGAI	126 - 75	T7453B1	♦SGAI	99 - 37	TF111F	TEC	50 - 48
SW7447N	♦SWM	77 - 48	T54S73J	♦TEC	47 - 29	T107D2-14	SGAI	126 - 37	T7454B1	♦SGAI	99 - 38	TF111J	TEC	50 - 49
SW7448J	♦SWM	77 - 49	T54S76J	♦TEC	47 - 30	T107F1	SGAI	126 - 76	T7460B1	♦SGAI	133 - 40	TF112F	TEC	50 - 50
SW7448N	♦SWM	77 - 50	T54S78J	♦TEC	47 - 31	T107F2	SGAI	126 - 38	T7472B1	♦SGAI	51 - 47	TF112J	TEC	50 - 51
SW7450J	SWM	99 - 27	T54S86F	♦TEC	130 - 23	T108	ABA	63 - 89	T7473B1	♦SGAI	44 - 46	TF113F	TEC	50 - 52
SW7450N	SWM	99 - 28	T54S86J	♦TEC	130 - 24	T108B1-14	SGAI	98 - 32	T7474B1	♦SGAI	57 - 80	TF113J	TEC	50 - 53
SW7451J	SWM	99 - 29	T54S103J	♦TEC	47 - 59	T108D1-14	SGAI	98 - 33	T7475B1	♦SGAI	56 - 81	TF120F	♦TEC	42 - 50
SW7451N	SWM	99 - 30	T54S106J	♦TEC	47 - 60	T108D2-14	SGAI	98 - 7	T7476B1	♦SGAI	46 - 16	TF120J	♦TEC	42 - 51
SW7453J	SWM	99 - 31	T54S107AJ	♦TEC	47 - 61	T108F1	SGAI	98 - 34	T7486B1	♦SGAI	130 - 31	TF121F	♦TEC	42 - 52
SW7453N	SWM	99 - 32	T54S107J	♦TEC	47 - 32	T108F2	SGAI	98 - 8	T7490B1	♦SGAI	64 - 10	TF121J	♦TEC	42 - 53
SW7454J	SWM	99 - 33	T54S108J	♦TEC	47 - 62	T109	ABA	67 - 55	T7493B1	♦SGAI	68 - 6	TF122F	♦TEC	42 - 54
SW7454N	SWM	99 - 34	T54S136F	♦TEC	130 - 25			163 - 76	T9309F	♦TEC	188 - 37	TF122J	♦TEC	42 - 55
SW7472J	SWM	44 - 43	T54S136J	♦TEC	130 - 26	T109B1-14	SGAI	98 - 35	T9309FM	♦TEC	188 - 38	TF123F	♦TEC	42 - 56
SW7472N	SWM	44 - 44	T54S138F	♦TEC	75 - 95	T109D1-14	SGAI	98 - 36	T9309J	♦TEC	188 - 39	TF123J	♦TEC	42 - 57
SW7473H	SWM	43 - 38	T54S138J	♦TEC	75 - 96	T109D2-14	SGAI	98 - 9	T9309JM	♦TEC	188 - 40	TF130F	TEC	50 - 54
SW7473J	SWM	43 - 39	T54S139F	♦TEC	75 - 97	T109F1	SGAI	98 - 37	T9312F	♦TEC	188 - 41	TF130J	TEC	50 - 55
SW7473N	SWM	43 - 40	T54S139J	♦TEC	75 - 98	T109F2	SGAI	98 - 10	T9312FM	♦TEC	188 - 42	TF131F	TEC	50 - 56
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Δ-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

3. TYPE No. CROSS INDEX

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Δ-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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ZN7472E	♦FERB	50- 21
ZN7472F	♦FERB	50- 22
ZN7473E	♦FERB	50- 23
ZN7473F	♦FERB	50- 24
ZN7474E	♦FERB	59- 42
ZN7474F	♦FERB	59- 43
ZN7475E	♦FERB	59- 44
ZN7476E	♦FERB	50- 25
ZN7490E	♦FERB	61- 10
ZN7490F	♦FERB	61- 11
ZN7492E	♦FERB	69- 62
ZN7492F	♦FERB	69- 63
ZN7493E	♦FERB	64- 48
ZN7493F	♦FERB	64- 49
ZN54107E	♦FERB	50- 26
ZN54107F	♦FERB	50- 27
ZN74107E	♦FERB	50- 28
ZN74107F	♦FERB	50- 29
ZSD51A	♦FERB	131- 66
ZSD81A	♦FERB	93- 88
ZSD111A	♦FERB	131- 67
ZSD131A	♦FERB	131- 68
ZSF51B	♦FERB	39- 17
ZSF51CT	FERB	39- 18
ZSF81B	♦FERB	39- 19
ZSF81CT	FERB	39- 20
ZSF111B	♦FERB	39- 21
ZSF111CT	♦FERB	39- 22
ZSF131B	♦FERB	39- 23
ZSF131CT	♦FERB	39- 24
ZSM1A	FERB	93- 96
ZSM1B	FERB	93- 97
ZSS1A	♦FERB	93- 98
ZSS1B	♦FERB	93- 99
ZSS2A	♦FERB	93-100
ZSS2B	♦FERB	93-101
ZSS3A	♦FERB	93-102
ZSS3B	♦FERB	93-103
ZSS51A	♦FERB	100- 80
ZSS51B	♦FERB	100- 81
ZSS53A	♦FERB	100- 82
ZSS53B	♦FERB	100- 83
ZSS54A	♦FERB	152- 15
ZSS54B	♦FERB	152- 16
ZSS55A	♦FERB	100- 84
ZSS55B	♦FERB	100- 85
ZSS56B	♦FERB	100- 86
ZSS57B	♦FERB	100- 87
ZSS58	FERB	151- 6
ZSS59A	FERB	93- 89
ZSS59B	FERB	93- 90
ZSS81A	♦FERB	100- 88
ZSS81B	♦FERB	100- 89
ZSS83A	♦FERB	100- 90
ZSS83B	♦FERB	100- 91
ZSS84A	♦FERB	152- 17
ZSS84B	♦FERB	152- 18
ZSS85A	♦FERB	100- 92
ZSS85B	♦FERB	100- 93
ZSS86B	♦FERB	100- 94
ZSS87B	♦FERB	100- 95
ZSS88	FERB	151- 7
ZSS89A	FERB	93- 91
ZSS89B	FERB	93- 92
ZSS111A	♦FERB	100- 96
ZSS111B	♦FERB	100- 97
ZSS113A	♦FERB	100- 98
ZSS113B	♦FERB	100- 99
ZSS114A	♦FERB	152- 19
ZSS114B	♦FERB	152- 20
ZSS115A	♦FERB	100-100
ZSS115B	♦FERB	100-101
ZSS116B	♦FERB	100-102
ZSS117B	♦FERB	100-103
ZSS118	♦FERB	151- 8
ZSS119A	♦FERB	93- 93
ZSS119B	♦FERB	93- 94
ZSS131A	♦FERB	100-104
ZSS131B	♦FERB	100-105
ZSS133A	♦FERB	100-106
ZSS133B	♦FERB	100-107
ZSS134A	♦FERB	152- 21
ZSS134B	♦FERB	152- 22
ZSS135A	♦FERB	100-108
ZSS135B	♦FERB	100-109
ZSS136B	♦FERB	100-110
ZSS137B	♦FERB	101- 1
ZST2	♦FERB	162- 50
ZST51A	♦FERB	101- 2
ZST52A	♦FERB	101- 3
ZST52B	♦FERB	101- 4
ZST53A	♦FERB	101- 5
ZST53B	♦FERB	101- 6
ZST54A	♦FERB	101- 7
ZST81A	♦FERB	101- 8
ZST82A	♦FERB	101- 9
ZST82B	♦FERB	101- 10
ZST83A	♦FERB	101- 11
ZST83B	♦FERB	101- 12
ZST84A	♦FERB	101- 13
ZST111A	♦FERB	101- 14
ZST112A	♦FERB	90- 10
ZST112B	♦FERB	90- 11
ZST113A	♦FERB	101- 15
ZST113B	♦FERB	101- 16
ZST114A	♦FERB	101- 17
ZST131A	♦FERB	101- 18
ZST132A	♦FERB	90- 12
ZST132B	♦FERB	90- 13
ZST133A	♦FERB	101- 19
ZST133B	♦FERB	101- 20
ZST134A	♦FERB	101- 21

4. BINARY OR FLIP - FLOP

IN ORDER OF (1)FLIP-FLOP (2)LOG TYPE (3)LOG LEV'1' (4)LOG LEV'0' (5)MAX FREQ (6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF FLIP-FLOP	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1#	ZN294E			MON	.20	4.0	DTL		8	0 0	4.5	9 0n			19m	1.0	0	70			M126
2#	ZN297E			MON	.20	4.0	DTL		8	0.0	4.5	9.0n			19m	1 0	0	70			M126
3#	ZN394E			MON	.20	4.0	DTL		8	0.0	4.5	15n			19m	1.0	0	70			M126
4#	ZN397E			MON	.20	4.0	DTL		8	0.0	4.5	15n			19m	1.0	0	70			M126
5	RF50K		20M†	MON	3.4	.20	TTL	6	15	0	5				50m†	1.1	-55	125	1	B0242	FP21b
6	HEPC0901P-RT	2	3.0M						10	0.0	15				200m				2		TO116
7	9926FC	2	20M%Δ	MON				3	11	4.0	12				500mΔ		0	70	1	B0262	FP28b
8	9926FM	2	20M%Δ	MON				3	11	4.0	12				500mΔ		-55	125	1	B0262	FP28b
9	9926HC	2	20M%Δ	MON				3	11	4.0	12				500mΔ		0	70	1	B0262	TO100
10	9926HM	2	20M%Δ	MON				3	11	4.0	12				500mΔ		-55	125	1	B0262	TO100
11	6N133	2			2.0%	.80*		3		0.0	5.0	40nΔ					-55	125	2	B02203	TO84
12	N7472A	2	15M%Δ		2.0%	.80*		9	10	0.0	5.0	34n			884m%		0	70	1	B02208	M105q
13	N7472J	2	15M%Δ		2.0%	.80*		9	10	0.0	5.0	34n			884m%		0	70	1	B02208	TO88
14	N7473J	2	15M%Δ		2.0%	.80*		4	10	0.0	5.0	15n			49m%		0	70	2	B02184	TO88
15	S5472A	2	15M%Δ		2.0%	.80*		9	10	0.0	5.0	34n			935m%		-55	125	1	B02208	M105q
16	S5472J	2	15M%Δ		2.0%	.80*		9	10	0 0	5.0	34n			935m%		-55	125	1	B02208	TO88
17	S5473A	2	15M%Δ		2.0%	.80*		4	10	0.0	5.0	15n			52m%		-55	125	2	B02184c	M105q
18	S5473J	2	15M%Δ		2.0%	.80*		4	10	0.0	5.0	15n			52m%		-55	125	2	B02184	TO88
19	N7470A	2	35M%Δ		2.0%	.80*		9	10	0 0	5.0	20n			884m%		0	70	1	B0273	M105q
20	N7470J	2	35M%Δ		2 0%	.80*		9	10	0.0	5.0	20n			884m%		0	70	1	B0273	TO88
21	S5470A	2	35M%Δ		2.0%	.80*		9	10	0.0	5.0	20n			935m%		-55	125	1	B0273	M105q
22	S5470J	2	35M%Δ		2.0%	.80*		9	10	0.0	5.0	20n			935m%		-55	125	1	B0273	TO88
23	HEPC3073P-RT	2		MON	2.4%	.40*†		4	10	0.0	5.0	30n			80m†				2	B02130	TO116
24	SNF100J	2	35M	MON	3.3	.26		4	15†	0.0	5.0		1.0n†	1 7n†	50m	900m	-55	125	2		M157b
25	SNF100W	2	35M	MON	3.3	.26		4	15†	0.0	5.0		1.0n†	1.7n†	50m	900m	-55	125	2		Δ004AF
26	SNF101J	2	35M	MON	3.3	.26		4	7†	0.0	5.0		1.0n†	1.7n†	50m	900m	-55	125	2		M157b
27	SNF101W	2	35M	MON	3.3	.26		4	7†	0.0	5.0		1 0n†	1.7n†	50m	900m	-55	125	2		Δ004AF
28	SNF102J	2	35M	MON	3.3	.26		4	12†	0.0	5.0		1.0n†	1.7n†	60m	900m	0	75	2		M157b
29	SNF102W	2	35M	MON	3.3	.26		4	12†	0.0	5 0		1.0n†	1.7n†	60m	900m	0	75	2		Δ004AF
30	SNF103J	2	35M	MON	3.3	.26		4	6†	0.0	5.0		1.0n†	1.7n†	60m	900m	0	75	2		M157b
31	SNF103W	2	35M	MON	3.3	26		4	6†	0.0	5 0		1.0n†	1.7n†	60m	900m	0	75	2		Δ004AF
32	SNF110J	2	35M	MON	3.3	.26		5	15†	0.0	5.0		1.0n†	1 7n†	50m	900m	-55	125	2		M157b
33	SNF110W	2	35M	MON	3.3	.26		5	15†	0.0	5.0		1.0n†	1.7n†	50m	900m	-55	125	2		Δ004AF
34	SNF111J	2	35M	MON	3.3	.26		5	7†	0.0	5.0		1.0n†	1.7n†	50m	900m	-55	125	2		M157b
35	SNF111W	2	35M	MON	3.3	.26		5	7†	0.0	5 0		1.0n†	1.7n†	50m	900m	-55	125	2		Δ004AF
36	SNF112J	2	35M	MON	3.3	.26		5	12†	0.0	5.0		1.0n†	1.7n†	60m	900m	0	75	2		M157b
37	SNF112W	2	35M	MON	3.3	.26		5	12†	0.0	5.0		1.0n†	1.7n†	60m	900m	0	75	2		Δ004AF
38	SNF113J	2	35M	MON	3.3	.26		5	6†	0.0	5 0		1.0n†	1.7n†	60m	900m	0	75	2		M157b
39	SNF113W	2	35M	MON	3 3	.26		5	6†	0.0	5.0		1.0n†	1.7n†	60m	900m	0	75	2		Δ004AF
40	SNF120J	2	50M	MON	3.3	.26		4	15†	0.0	5.0		1.0n†	1.7n†	50m	900m	-55	125	2		M157b
41	SNF120W	2	50M	MON	3.3	.26		4	15†	0.0	5.0		1.0n†	1.7n†	50m	900m	-55	125	2		Δ004AF
42	SNF121J	2	50M	MON	3.3	26		4	7†	0.0	5.0		1.0n†	1.7n†	50m	900m	-55	125	2		M157b
43	SNF121W	2	50M	MON	3.3	.26		4	7†	0.0	5.0		1.0n†	1.7n†	50m	900m	-55	125	2		Δ004AF
44	SNF122J	2	50M	MON	3.3	.26		4	12†	0 0	5.0		1.0n†	1.7n†	60m	900m	0	75	2		M157b
45	SNF122W	2	50M	MON	3.3	.26		4	12†	0.0	5 0		1.0n†	1.7n†	60m	900m	0	75	2		Δ004AF
46	SNF123J	2	50M	MON	3.3	.26		4	6†	0.0	5.0		1.0n†	1.7n†	60m	900m	0	75	2		M157b
47	SNF123W	2	50M	MON	3.3	.26		4	6†	0.0	5.0		1.0n†	1.7n†	60m	900m	0	75	2		Δ004AF
48	SNF130J	2	50M	MON	3.3	.26		5	15†	0.0	5.0		1.0n†	1.7n†	50m	900m	-55	125	2		M157b
49	SNF130W	2	50M	MON	3.3	.26		5	15†	0.0	5.0		1.0n†	1.7n†	50m	900m	-55	125	2		Δ004AF
50	SNF131J	2	50M	MON	3.3	.26		5	7†	0.0	5.0		1.0n†	1.7n†	50m	900m	-55	125	2		M157b
51	SNF131W	2	50M	MON	3.3	.26		5	7†	0.0	5.0		1.0n†	1.7n†	50m	900m	-55	125	2		Δ004AF
52	SNF132J	2	50M	MON	3.3	.26		5	12†	0.0	5.0		1.0n†	1.7n†	60m	900m	0	75	2		M157b
53	SNF132W	2	50M	MON	3.3	.26		5	12†	0.0	5.0		1.0n†	1.7n†	60m	900m	0	75	2		Δ004AF
54	SNF133J	2	50M	MON	3.3	.26		5	6†	0.0	5.0		1.0n†	1.7n†	60m	900m	0	75	2		M157b
55	SNF133W	2	50M	MON	3.3	.26		5	6†	0.0	5.0		1.0n†	1.7n†	60m	900m	0	75	2		Δ004AF
56	FCJ131	2	7.0M		6.0	0.0		4	8		6.0				100m	1.2	0	75	2	B02188	M126c
57	FCJ191	2	7.0M		6.0	0.0		6†	8		6.0				100m	1.2	0	75	2	B02188a	M126c
58	FCJ211	2	7.0M		6.0	0.0		5	8		6.0				100m	1.2	0	75	2	B02188b	M126c
59	FCJ221Δ	2	8.0M		6.0	0.0		3	8		6.0				250m	1.2	0	75	4	B02189	M126c
60#	FZJ101	2	500k%	MON	7.5%	4.5*		9	10	0.0	18		490n	170n		5.0 Δ	0	70	1	B02242	M117r
61#	FZJ105	2	500k%	MON	7.5%	4.5*		9	10	0.0	18		490n	170n		5.0 Δ	-25	85	1	B02242	M117r
62#	FZJ111	2	500k%	MON	7.5%	4.5*		11	10	0.0	18		490n	170n		5.0 Δ	0	70	1	B02242a	M117r
63#	FZJ115	2	500k%	MON	7.5%	4.5*		11	10	0.0	18		490n	170n		5.0 Δ	-25	85	1	B02242a	M117r
64#	FZJ121	2	500k%	MON	7.5%	4.5*		5	10	0.0	12				550m	5.0 Δ	0	70	2	B02266	
65#	FZJ125	2	500k%	MON	7.5%	4.5*		5	10	0.0	12				550m	5.0 Δ	-25	85	2	B02266	
66#	H110D1	2	1.0M†%	MON	8.0%	6.0*		2	25	0.0	20	600nΔ			700m%	5.0 Δ	0	75	2	B02245	TO116
67#	H110D6	2	1.0M†%	MON	8.0%	6.0*		2	25	0.0	20	600nΔ			700m%	5.0 Δ	-40	85	2	B02245	TO116
68#	H111D1	2	1.0M†%	MON	8.0%	6.0*		2	25	0.0	20	600nΔ			700m%	5.0 Δ	0	75	2	B02245a	M200c
69#	H111D6	2	1.0M†%	MON	8.0%	6.0*		2	25	0.0	20	600nΔ			700m%	5.0 Δ	-40	85	2	B02245a	M200c
70	MC14027AL	2	8.0MΔ%	MOS	9.99%	.01*†		5		0 0	10	110nΔ	5.0u	5.0u	20u		-55	125	2	B02269	M191
71	MC14027CL	2	8.0MΔ%	MOS	9.99%	.01*†		5		0.0	10	150nΔ	5.0u	5.0u	200u		-40	85	2	B02269	M191
72	MC14027CP	2	8.0MΔ%	MOS	9.99%	.01*†		5		0.0	10	150nΔ	5.0u	5.0u	200u		-40	85	2	B02269	M278
73	CD4027AD	2	8.0MΔ%	MOS	10	0.0†		4	50	0.0	10	110nΔ	5.0uΔ	5.0uΔ	20u%	4.5 Δ	-55	125	2	B02247	Δ001AE
74	CD4027AE	2	8.0MΔ%	MOS	10	0.0†		4	50	0.0	10	150nΔ	5.0uΔ	5.0uΔ	200u%	4 5 Δ	-40	85	2	B02247	Δ001AC
75	CD4027AK	2	8.0MΔ%	MOS	10	0.0†		4	50	0.0	10	110nΔ	5.0uΔ	5.0uΔ	20u%	4.5 Δ	-55	125	2	B02247	Δ004AG
76	CM4027AD	2	8.0M†%	MOS	10	0.0†		5		0.0	10	110nΔ	5.0uΔ	5.0uΔ	200m	4.5 Δ	-55	125	2	B02247	M210b
77	CM4027AE	2	8.0M†%	MOS	10	0.0†		5		0.0	10	150nΔ	5 0uΔ	5.0uΔ	200m	4.5 Δ	-40	85	2	B02247	M210b
78	M100	2	8.0M	PCB	10	0.0		4	50	0.0	10	110n	5.0u	5.0u	60u	4.5	-55	95	6		CB☑
79	SCL4027AD	2	8.0M	MOS	10	0.0		4	50	0.0	10	110n	5.0u	5.0u	20u	4.5	-55	125			Δ001AE
80	SCL4027AE	2	8 0M	MOS	10	0.0		4	50	0.0	10	130n	5.0u	5.0u	20u	4.5	-40	85			Δ001AC
81	SCL4027AF	2	8.0M	MOS	10	0.0		4	50	0.0	10	110n	5.0u	5.0u	20u	4.5	-55	125			Δ004AG
82	INS4027S	2	14MΔ%	MOS	10	0.0†		4	50	0.0	10	65n%	5.0uΔ	5.0uΔ		4.5 Δ	-55	125	2		
83	D4401	2	3.0M		13	1 5		2	9	1.0	18		20n	20n		5.0	0	50			
84	D4408	2	3.0M		13	1.5		1	9	1.0	18		20n	20n		5.0	0	50			
85	SP321A	2	10M†		38	.60			13	0	6	35n			90m†	800m		75	2		M114c
86▼	JANM38510/05102AEA	2	700kΔØ	MON	3.65%	1.25*	CMS	5	7	0.0	5.0	550nΔ			200m		-55	125	2	B02247	M323
87▼	JANM38510/05102AFA	2	700kΔØ	MON	3.65%	1.25*	CMS	5	7	0.0	5.0	550nΔ			200m		-55	125	2	B02247	FP93
88▼	JANM38510/05102BEA	2	700kΔØ	MON	3 65%	1 25*	CMS	5	7	0 0	5 0	550nΔ			200m		-55	125	2	B02247	M333
89▼	JANM38510/05102BFA	2	700kΔØ	MON	3.65%	1.25*	CMS	5	7	0.0	5.0	550nΔ			200m		-55	125	2	B02247	FP93
90▼	JANM38510/05102CEA	2	700kΔØ	MON	3.65%	1.25*	CMS	5	7	0.0	5 0	550nΔ			200m		-55	125	2	B02247	M333
91▼	JANM38510/05102CFA	2	700kΔØ	MON	3.65%	1.25*	CMS	5	7	0.0	5.0	550nΔ			200m		-55	125	2	B02247	FP93
92#	MIC311-1D	2		MON			DTL	10	5	0.0	12						-55	125	1	B02148	M200d
93#	MIC311-1D1	2		MON			DTL	10	5	0.0	15						-55	125	1	B02148	M200d
94#	MIC311-5D	2		MON			DTL	10	5	0.0	12						-30	85	1	B02148	M200d
95#	MIC311-5D1	2		MON			DTL	10	5	0.0	15						-30	70	1	B02148	M200d
96#	MIC312-1D	2		MON			DTL			0.0	12						-55	125	2		M153a
97#	MIC312-1D1	2		MON			DTL			0.0	15						-55	125	2		M153a
98#	MIC312-5D	2		MON			DTL			0.0	12						-30	85	2		M153a
99#	MIC312-5D1	2		MON			DTL			0.0	15						-30	85	2		M153a
100#	SFC472HE	2		MON			DTL	8	2	0	7	6n			20m†	400m	0	70	1	B0294b	TO116
101#	SFC472HPM	2		MON			DTL	6	2	0	7	6n			20m†	400m	-55	125	1	B0288	ZB165
102#	SFC472PM	2		MON			DTL	6	2	0	7	13n			10m†	400m	-55	125	1	B0288	ZB165
103#	SFC473PM	2		MON			DTL	6	2	0	7	13n			10m†	400m	-55	125	2	B0291	ZB165
104	B200	2	10M	PCB			DTL	9		15	10	30n	35n		150m		-20	65	1	B0263	CB31

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

4. BINARY OR FLIP - FLOP

IN ORDER OF (1)FLIP-FLOP (2)LOG TYPE (3)LOG LEV'1' (4)LOG LEV'0' (5)MAX FREQ (6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF FLIP-FLOP	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	RF3120D	2	75Mτ	MON			DTL	3	11	0	5				110mτ	1.1	-55	125	2		M105m
2	RF3120K	2	75Mτ	MON			DTL	3	11	0	5				110mτ	1.1	-55	125	2		FP21b
3	RF3122D	2	75Mτ	MON			DTL	3	9	0	5				110mτ	1.1	0	75	2		M105m
4	RF3122K	2	75Mτ	MON			DTL	3	9	0	5				110mτ	1.1	0	75	2		FP21b
5#	ZN221	2		MON	.20	4 0	DTL	8	6	0.0	5.0	50n			19m		-55	125	1		TO88
6#	ZN221E	2		MON	20	4 0	DTL	8	6	0.0	5.0	50n			19m		0	70	1		M126
7#	ZN222	2		MON	20	4.0	DTL	4	6	0.0	5.0	50n			19m		-55	125	2		TO88
8#	ZN222E	2		MON	.20	4 0	DTL	4	6	0.0	5.0	50n			19m		0	70	2		M126
9#	ZN248	2		MON	.20	4 0	DTL	7	6	0.0	5.0	50n			19m		-55	125	1		TO88
10#	ZN248E	2		MON	20	4 0	DTL	7	6	0.0	5.0	50n			19m		0	70	1		M126
11#	ZN321	2		MON	.20	4.0	DTL	8	6	0.0	5.0	15n			19m	1.0	-55	125	1		TO88
12#	ZN321E	2		MON	.20	4.0	DTL	8	6	0.0	5.0	15n			19m	1.0	0	70	1		M126
13#	ZN322	2		MON	20	4.0	DTL	4	6	0.0	5 0	15n			19m	1.0	-55	125	2		TO88
14#	ZN322E	2		MON	.20	4.0	DTL	4	6	0.0	5.0	15n			19m	1 0	0	70	2		M126
15#	ZN348	2		MON	.20	4.0	DTL	7	6	0.0	5.0	15n			19m	1.0	-55	125	1		TO88
16#	ZN348E	2		MON	.20	4.0	DTL	7	6	0 0	5.0	15n			19m	1 0	0	70	1		M126
17#	ZSF51B	2		MON	.20	4.0	DTL	4	6	0.0	5.0	50n			19m		-55	125	1		CN2
18#	ZSF51CT	2		MON	.20	4.0	DTL		8	0.0	4.5	9.0n			19m	1.0	-55	125			TO5
19#	ZSF81B	2		MON	.20	4.0	DTL	4	6	0.0	5.0	50n			19m		0	70	1		CN2
20#	ZSF81CT	2		MON	.20	4.0	DTL		8	0.0	4 5	9.0n			19m	1.0	0	70			TO5
21#	ZSF111B	2		MON	.20	4.0	DTL	4	6	0.0	5.0	50n			19m		-55	125	1		CN2
22#	ZSF111CT	2		MON	.20	4.0	DTL		6	0.0	5.0	50n			19m		-55	125			
23#	ZSF131B	2		MON	20	4 0	DTL	4	6	0 0	5.0	50n			19m		0	70	1		CN2
24#	ZSF131CT	2		MON	.20	4.0	DTL		6	0.0	5.0	50n			19m		0	70			
25	SW705-1P	2	15Mτ	MON	1.8%	1 2*	DTL	4	10	0.0	5.0	50n%			80mτ	1.0	-55	125	2	B02110	TO116
26	SW705-2M	2	15Mτ	MON	1.8%	1.2*	DTL	4	12	0 0	5.0	50n%			80mτ	1.0	0	75	2	B02110	M105n
27	SW705-2P	2	15Mτ	MON	1.8%	1 2*	DTL	4	12	0 0	5.0	50n%			80mτ	1.0	0	75	2	B02110	TO116
28	SW708-1P	2	18Mτ	MON	1 8%	1 2*	DTL	4	9	0 0	5.0	40n%			100mτ	1 0	-55	125	2	B02110	TO116
29	SW708-2M	2	18Mτ	MON	1.8%	1 2*	DTL	4	11	0.0	5.0	40n%			100mτ	1.0	0	75	2	B02110	M105n
30	SW708-2P	2	18Mτ	MON	1.8%	1.2*	DTL	4	11	0.0	5.0	40n%			100mτ	1.0	0	75	2	B02110	TO116
31#	9093-9-7A	2		MON	1.9%	1.1*	DTL	4	10	0.0	5.0	90nΔ			150m%	1.0	0	75	2	B02137	M105e
32	9093DM	2		MON	1.9%	1.1*	DTL	4		0.0	5.0	75nΔ				1.0 Δ	-55	125	2	B02137	M157
33	9093FM	2		MON	1.9%	1.1*	DTL	4		0.0	5 0	75nΔ				1.0 Δ	-55	125	2	B02137	FP28c
34#	9094-9-7A	2		MON	1.9%	1 1*	DTL	4	10	0.0	5.0	80nΔ			175m%	1.0	0	75	2	B02137	M105e
35	9094DM	2		MON	1.9%	1 1*	DTL	4		0.0	5.0	75nΔ				1.0 Δ	-55	125	2	B02137	M157
36	9094FM	2		MON	1.9%	1 1*	DTL	4		0.0	5.0	75nΔ				1.0 Δ	-55	125	2	B02137	FP28c
37#	9097-9-7A	2		MON	1.9%	1 1*	DTL	5	10	0.0	5 0	80nΔ			162m%	1.0	0	75	2	B02137	M105e
38	9097DM	2		MON	1.9%	1.1*	DTL	8		0.0	5 0	75nΔ				1.0 Δ	-55	125	2	B02101b	M157
39	9097FM	2		MON	1.9%	1.1*	DTL	8		0.0	5.0	75nΔ				1.0 Δ	-55	125	2	B02101b	FP28c
40#	9099-9-7A	2		MON	1.9%	1.1*	DTL	5	10	0.0	5.0	90nΔ			150m%	1.0	0	75	2	B02137	M105e
41	9099DM	2		MON	1.9%	1.1*	DTL	8		0.0	5.0	75nΔ				1.0 Δ	-55	125	2	B02101b	M157
42	9099FM	2		MON	1.9%	1.1*	DTL	8		0.0	5.0	75nΔ				1.0 Δ	-55	125	2	B02101b	FP28c
43	MIC9093-1B	2	5.0M	MON	1.9%	1.1*	DTL	4	10	0	5.5	75nΔ			70m	350m*	-55	125	2	B02190	FP32
44	MIC9093-1D	2	5.0M	MON	1 9%	1 1*	DTL	4	10	0	5.5	75nΔ			70m	350m*	-55	125	2	B02190	M75g
45	MIC9093-5B	2	5.0M	MON	1.9%	1.1*	DTL	4	12	0.0	5.0	75nΔ			75m	350m*	0	75	2	B02190	FP32
46	MIC9093-5D	2	5.0M	MON	1.9%	1.1*	DTL	4	12	0	5.0	75nΔ			75m	350m*	0	75	2	B02190	M75g
47#	MIC9093R3D	2	5.0M	MON	1.9%	1.1*	DTL	4	10	0.0	5.0	75nΔ			140m§	650m	-40	85	2	B02190	M294b
48#	MIC9093R6D	2	5.0M	MON	1.9%	1.1*	DTL	4	10	0.0	5.0	75nΔ			140m§	650m	-20	75	2	B02190	M294b
49#	MIC9093R7D	2	5.0M	MON	1.9%	1 1*	DTL	4	10	0.0	5.0	75nΔ			150m§	650m	0	75	2	B02190	M294b
50#	MIC9093X1D	2	5.0M	MON	1.9%	1 1*	DTL	4	10	0.0	5.0	75nΔ			140m§	650m	-55	125	2	B02190	M294b
51#	MIC9093X5D	2	5.0M	MON	1.9%	1.1*	DTL	4	10	0.0	5.0	75nΔ			150m§	650m	0	75	2	B02190	M294b
52#	MIC9093XR3D	2	5 0M	MON	1.9%	1.1*	DTL	4	10	0.0	5.0	75nΔ			140m§	650m	-40	85	2	B02190	M294b
53#	MIC9093XR6D	2	5.0M	MON	1.9%	1.1*	DTL	4	10	0.0	5.0	75nΔ			140m§	650m	-20	75	2	B02190	M294b
54#	MIC9093XR7D	2	5 0M	MON	1.9%	1.1*	DTL	4	10	0.0	5.0	75nΔ			150m§	650m	0	75	2	B02190	M294b
55	MIC9094-1B	2	5.0M	MON	1.9%	1.1*	DTL	4	9	0	5.5	65nΔ			81m	350m*	-55	125	2		FP32
56	MIC9094-1D	2	5.0M	MON	1.9%	1.1*	DTL	4	9	0	5.5	65nΔ			81m	350m*	-55	125	2		M75g
57	MIC9094-5B	2	5.0M	MON	1.9%	1.1*	DTL	4	11	0	5.0	65nΔ			87m	350m*	0	75	2		FP32
58	MIC9094-5D	2	5.0M	MON	1.9%	1.1*	DTL	4	11	0	5.0	65nΔ			87m	350m*	0	75	2		M75g
59#	MIC9094X1D	2	5.0M	MON	1.9%	1 1*	DTL	4	10	0 0	5.0	75nΔ			162m§	650m	-55	125	2	B02190	M294b
60#	MIC9094X5D	2	5.0M	MON	1.9%	1.1*	DTL	4	10	0.0	5.0	75nΔ			175m§	650m	0	75	2	B02190	M294b
61#	MIC9094XR3D	2	5 0M	MON	1.9%	1 1*	DTL	4	10	0 0	5.0	75nΔ			162m§	650m	-40	85	2	B02190	M294b
62#	MIC9094XR6D	2	5.0M	MON	1.9%	1 1*	DTL	4	10	0.0	5.0	75nΔ			162m§	650m	-20	75	2	B02190	M294b
63#	MIC9094XR7D	2	5.0M	MON	1.9%	1 1*	DTL	4	10	0 0	5 0	75nΔ			175m§	650m	0	75	2	B02190	M294b
64	MIC9097-1B	2	5.0M	MON	1.9%	1.1*	DTL	5	9	0	5 5	65nΔ			81m	350m*	-55	125	2	B02191	FP32
65	MIC9097-1D	2	5.0M	MON	1.9%	1.1*	DTL	5	9	0	5 5	65nΔ			81m	350m*	-55	125	2	B02191	M75g
66	MIC9097-5B	2	5.0M	MON	1.9%	1 1*	DTL	5	11	0	5 0	65nΔ			87m	350m*	0	75	2	B02191	FP32
67	MIC9097-5D	2	5.0M	MON	1.9%	1.1*	DTL	5	11	0	5.0	65nΔ			87m	350m*	0	75	2	B02191	M75g
68#	MIC9097X1D	2	5.0M	MON	1.9%	1 1*	DTL	5	10	0 0	5.0	75nΔ			162m§	650m	-55	125	2	B02191	M294b
69#	MIC9097X5D	2	5.0M	MON	1.9%	1.1*	DTL	5	10	0 0	5.0	75nΔ			162m§	650m	0	75	2	B02191	M294b
70#	MIC9097XR3D	2	5 0M	MON	1.9%	1.1*	DTL	5	10	0.0	5 0	75nΔ			162m§	650m	-40	85	2	B02191	M294b
71#	MIC9097XR6D	2	5.0M	MON	1.9%	1 1*	DTL	5	10	0.0	5.0	75nΔ			162m§	650m	-20	75	2	B02191	M294b
72#	MIC9097XR7D	2	5.0M	MON	1.9%	1.1*	DTL	5	10	0.0	5 0	75nΔ			175m§	650m	0	75	2	B02191	M294b
73	MIC9099-1B	2	5.0M	MON	1 9%	1 1*	DTL	5	10	0	5.5	75nΔ			70m	350m*	-55	125	2		FP32
74	MIC9099-1D	2	5.0M	MON	1.9%	1.1*	DTL	5	10	0	5.5	75nΔ			70m	350m*	-55	125	2		M75g
75	MIC9099-5B	2	5.0M	MON	1.9%	1.1*	DTL	5	12	0	5.0	75nΔ			75m	350m*	0	75	2		FP32
76	MIC9099-5D	2	5.0M	MON	1.9%	1 1*	DTL	5	12	0	5.0	75nΔ			75m	350m*	0	75	2		M75g
77#	MIC9099R3D	2	5.0M	MON	1.9%	1.1*	DTL	5	10	0.0	5.0	75nΔ			140m§	650m	-40	85	2	B02191	M294b
78#	MIC9099R6D	2	5.0M	MON	1.9%	1.1*	DTL	5	10	0.0	5.0	75nΔ			140m§	650m	-20	75	2	B02191	M294b
79#	MIC9099R7D	2	5.0M	MON	1 9%	1.1*	DTL	5	10	0.0	5.0	75nΔ			150m§	650m	0	75	2	B02191	M294b
80#	MIC9099X1D	2	5.0M	MON	1.9%	1 1*	DTL	5	10	0.0	5.0	75nΔ			140m§	650m	-55	125	2	B02191	M294b
81#	MIC9099X5D	2	5.0M	MON	1.9%	1.1*	DTL	5	12	0.0	5.0	75nΔ			150m§	650m	0	75	2	B02191	M294b
82#	MIC9099XR3D	2	5.0M	MON	1.9%	1.1*	DTL	5	11	0.0	5.0	75nΔ			140m§	650m	-40	85	2	B02191	M294b
83#	MIC9099XR6D	2	5 0M	MON	1.9%	1.1*	DTL	5	11	0 0	5.0	75nΔ			140m§	650m	-20	75	2	B02191	M294b
84#	MIC9099XR7D	2	5.0M	MON	1.9%	1.1*	DTL	5	11	0 0	5.0	75nΔ			150m§	650m	0	75	2	B02191	M294b
85#	M5952P	2	7.0M*	MON	1.9%	1.1*	DTL	5	24	0.0	8 0	50n%			48mτ	1.0 Δ	0	75	2	B02101	M105j
86#	M5953P	2	7.0M*	MON	1.9%	1.1*	DTL	4	24	0.0	8.0	50n%			48mτ	1.0 Δ	0	75	2	B02102	M105j
87	SN158093F	2	7.0MΔ	MON	1.9%	1.1*	DTL	4	12	0	8	75nΔ			80mΔ		0	75	2	B0291a	TO84
88	SN158093J	2	7.0MΔ	MON	1.9%	1 1*	DTL	4	12	0	8	75nΔ			80mΔ		0	75	2	B0291a	TO116
89	SN158093N	2	7.0MΔ	MON	1.9%	1.1*	DTL	4	12	0	8	75nΔ			80mΔ		0	75	2	B0291a	M126
90	SN158093R	2	7.0MΔ	MON	1.9%	1 1*	DTL	4	12	0	8	75nΔ			80mΔ		0	75	2	B0291a	TO84
91	SN158094F	2	7.0MΔ	MON	1.9%	1.1*	DTL	4	11	0.0	8.0	70nΔ			87mΔ		0	75	2	B0291a	TO84
92	SN158094J	2	7.0MΔ	MON	1.9%	1.1*	DTL	4	11	0.0	8.0	70nΔ			87mΔ		0	75	2	B0291a	TO116
93	SN158094N	2	7.0MΔ	MON	1.9%	1.1*	DTL	4	11	0.0	8.0	70nΔ			87mΔ		0	75	2	B0291a	M126
94	SN158094R	2	7.0MΔ	MON	1.9%	1.1*	DTL	4	11	0.0	8.0	70nΔ			87mΔ		0	75	2	B0291a	TO84
95	SN158097F	2	7.0MΔ	MON	1.9%	1 1*	DTL	5	11	0.0	8.0	70nΔ			87mΔ		0	75	2	B0292a	TO84
96	SN158097J	2	7.0MΔ	MON	1.9%	1.1*	DTL	5	11	0.0	8.0	70nΔ			87mΔ		0	75	2	B0292a	TO116
97	SN158097N	2	7 0MΔ	MON	1.9%	1.1*	DTL	5	11	0.0	8.0	70nΔ			87mΔ		0	75	2	B0292a	M126
98	SN158097R	2	7 0MΔ	MON	1.9%	1.1*	DTL	5	11	0.0	8.0	70nΔ			87mΔ		0	75	2	B0292a	TO84
99	SN158099F	2	7.0MΔ	MON	1.9%	1.1*	DTL	5	12	0	8	75nΔ			80mΔ		0	75	2	B0292a	TO84
100	SN158099J	2	7.0MΔ	MON	1.9%	1 1*	DTL	5	12	0	8	75nΔ			80mΔ		0	75	2	B0292a	TO116
101	SN158099N	2	7.0MΔ	MON	1.9%	1.1*	DTL	5	12	0	8	75nΔ			80mΔ		0	75	2	B0292a	M126
102	SN158099R	2	7.0MΔ	MON	1.9%	1 1*	DTL	5	12	0	8	75nΔ			80mΔ		0	75	2	B0292a	TO84
103	SN159093F	2	7.0MΔ	MON	1.9%	1.1*	DTL	4	10	0	8	75nΔ			70mΔ		-55	125	2	B0291a	TO84
104	SN159093J	2	7.0MΔ	MON	1.9%	1.1*	DTL	4	10	0	8	75nΔ			70mΔ		-55	125	2	B0291a	TO116
105	SN159093N	2	7.0MΔ	MON	1.9%	1.1*	DTL	4	10	0	8	75nΔ			70mΔ		-55	125	2	B0291a	M126
106	SN159093R	2	7.0MΔ	MON	1.9%	1 1*	DTL	4	10	0	8	75nΔ			70mΔ		-55	125	2	B0291a	TO84
107	SN159094F	2	7.0MΔ	MON	1.9%	1.1*	DTL	4	9	0	8	70nΔ			80mΔ		-55	125	2	B0291a	TO84
108	SN159094J	2	7.0MΔ	MON	1.9%	1.1*	DTL	4	9	0	8	70nΔ			80mΔ		-55	125	2	B0291a	TO116
109	SN159094N	2	7.0MΔ	MON	1.9%	1.1*	DTL	4	9	0	8	70nΔ			80mΔ		-55	125	2	B0291a	M126
110	SN159094R	2	7.0MΔ	MON	1.9%	1 1*	DTL	4	9	0	8	70nΔ			80mΔ		-55	125	2	B0291a	TO84

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

4. BINARY OR FLIP - FLOP

IN ORDER OF (1)FLIP-FLOP (2)LOG TYPE (3)LOG LEV'1' (4)LOG LEV'0' (5)MAX FREQ (6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF FLIP-FLOP	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	2 TYPE	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	SN159097F	2	7.0MΔ	MON	1.9%	1.1*	DTL	5	9	0	8	70nΔ			80mΔ		-55	125	2	B0292a	TO84
2	SN159097J	2	7.0MΔ	MON	1.9%	1.1*	DTL	5	9	0	8	70nΔ			80mΔ		-55	125	2	B0292a	TO116
3	SN159097N	2	7.0MΔ	MON	1.9%	1.1*	DTL	5	9	0	8	70nΔ			80mΔ		-55	125	2	B0292a	M126
4	SN159097R	2	7.0MΔ	MON	1.9%	1.1*	DTL	5	9	0	8	70nΔ			80mΔ		-55	125	2	B0292a	TO84
5	SN159099F	2	7.0MΔ	MON	1.9%	1.1*	DTL	5	10	0	8	75nΔ			70mΔ		-55	125	2	B0292a	TO84
6	SN159099J	2	7.0MΔ	MON	1.9%	1.1*	DTL	5	10	0	8	75nΔ			70mΔ		-55	125	2	B0292a	TO116
7	SN159099N	2	7.0MΔ	MON	1.9%	1.1*	DTL	5	10	0	8	75nΔ			70mΔ		-55	125	2	B0292a	M126
8	SN159099R	2	7.0MΔ	MON	1.9%	1.1*	DTL	5	10	0	8	75nΔ			70mΔ		-55	125	2	B0292a	TO84
9#	M5955P	2	9.0M*	MON	1.9%	1.1*	DTL	5	22	0.0	8.0	40n%			52mt	1.0 Δ	0	75	2	B02101b	M105j
10#	M5956P	2	9.0M*	MON	1.9%	1.1*	DTL	4	22	0 0	8.0	40n%			52mt	1.0 Δ	0	75	2	B02102a	M105j
11	D4002	2	5.0M	PCB	2.0%	.95*	DTL	2	11	0	5	90nΔ			500m	1.0 Δ	0	75	8		
12	D4003	2	5.0M	PCB	2.0%	.95*	DTL	1	10	0	5	60nΔ			350m	1.0 Δ	0	75	8		
13	D4202A	2	10M	PCB	2.0%	.95*	DTL	2	9	0.0	5.0	30n%	10nt	10n	425m	1.0	0	75			CBØ
14#	FCJ201	2		MON	2.0%	1.0*	DTL	6	10	0	6					1.0	0	75	2		TO116
15	RM993D	2		MON	2.0%	1.0*	DTL	4	12	0	5.0	40n			280mt	500m	-55	125	2		M105m
16	RM993J	2		MON	2.0%	1.0*	DTL	4	12	0	5.0	40n			280mt	500m	-55	125	2		FP28
17	RM994D	2		MON	2.0%	1.0*	DTL	4	12	0	5.0	35n			324mt	500m	-55	125	2		M105m
18	RM994J	2		MON	2.0%	1.0*	DTL	4	12	0	5.0	35n			324mt	500m	-55	125	2		FP28
19	RM997D	2		MON	2.0%	1.0*	DTL	4	12	0	5.0	35n			324mt	500m	-55	125	2		M105m
20	RM997J	2		MON	2.0%	1.0*	DTL	4	12	0	5.0	35n			324mt	500m	-55	125	2		FP28
21	RM999D	2		MON	2.0%	1.0*	DTL	4	12	0	5.0	40n			280mt	500m	-55	125	2		M105m
22	RM999J	2		MON	2.0%	1.0*	DTL	4	12	0	5.0	40n			280mt	500m	-55	125	2		FP28
23#	FCJ121	2	5.0M	MON	2.0%	1.0*	DTL	5t	8	0	8				100m		0	75	2	B02139	TO116
24	RM215D	2	5.0Mt	MON	2.0%	1.0*	DTL	8	15	0	6.0				55mt	550m	-55	125	1	B0255	M105k
25	RM215G	2	5.0Mt	MON	2.0%	1.0*	DTL	8	15	0	6.0				55mt	550m	-55	125	1	B0255	TO84
26	RM215T	2	5.0Mt	MON	2.0%	1.0*	DTL	8	15	0	6.0				55mt	550m	-55	125	1	B0255	TO101
27	RM225D	2	14Mt	MON	2.0%	1.0*	DTL	8	10	0	6.0				55mt	550m	-55	125	1		M105m
28	RM225G	2	14M	MON	2.0%	1.0*	DTL	8	10t	0.0	6.0	60n%			35m	550m*	-55	125	1	B0267a	FP21e
29	RM225T	2	14M	MON	2.0%	1.0*	DTL	8	10t	0.0	6.0	60n%			35m	550m*	-55	125	1	B0267a	CN18
30#	FCJ101	2	5.0M	MON	2.3%	.80*	DTL	7	7	0	6				81m	1.2 Δ	0	75	1	B0267a	TO116
31	SN7300	2	4.0Mt	MON	2.4%	.4*t	DTL	6	20	0	7	20n	45n	40n	40m		0	70	1	B024d	TO84
32	SN7301	2	4.0Mt	MON	2.4%	.40*	DTL	7	20	0	7	30nΔ	45n	40n	40m		0	70	1	B024a	TO84
33	SN7302	2	4.0Mt	MON	2.4%	.40*	DTL	4	20	0	7	30nΔ	45n	40n	80m		0	70	2	B024	TO84
34	SN7304	2	4.0Mt	MON	2.4%	.40*	DTL	5	20	0	7	30nΔ	45n	40n	80m		0	70	2	B024b	TO84
35	SN15931	2	7.0MΔ	MON	2 4%	.4*t	DTL	7	14	0	8	75nΔ			20m		-55	125	1	B0287	TO84
36	SN15945	2	7.0MΔ	MON	2.4%	.4*t	DTL	7	20	0	8	75nΔ			20m		-55	125	1	B02103	TO84
37	SN15948	2	7.0MΔ	MON	2.4%	.4*t	DTL	7	18	0	8	75nΔ			20m		-55	125	1	B02103a	TO84
38	MC952F	2		MON	2.6%	.40*	DTL	4	20	0.0	5.0	40n			120mt		-55	125	2	B02101	TO86
39	MC952L	2		MON	2.6%	.40*	DTL	4	20	0.0	5.0	40n			120mt		-55	125	2	B02101	TO116
40	MC953F	2		MON	2.6%	.40*	DTL	4	20	0.0	5.0	40n			120mt		-55	125	2	B02101a	TO86
41	MC953L	2		MON	2.6%	.40*	DTL	4	20	0.0	5.0	40n			120mt		-55	125	2	B02101a	TO116
42	MC955F	2		MON	2.6%	.40*	DTL	4	18	0.0	5.0	40n			140mt		-55	125	2	B02101b	TO86
43	MC955L	2		MON	2.6%	.40*	DTL	4	18	0.0	5.0	40n			140mt		-55	125	2	B02101b	TO116
44	MC956F	2		MON	2.6%	.40*	DTL	4	18	0.0	5.0	40n			140mt		-55	125	2	B02101c	TO86
45	MC956L	2		MON	2.6%	.40*	DTL	4	18	0.0	5.0	40n			140mt		-55	125	2	B02101c	TO116
46#	DN1093	2	7.0MΔ	MON	2.6%	.40*	DTL	4	12	0.0	5.0	50n%			48mt	1.0 Δ	0	75	2	B02102	TO116
47#	DN1099	2	7.0MΔ	MON	2.6%	.40*	DTL	5	12	0.0	5.0	50n%			48mt	1.0 Δ	0	75	2	B02101	TO116
48#	DN1094	2	8.0MΔ	MON	2.6%	.40*	DTL	4	11	0.0	5.0	40n%			52mt	1.0 Δ	0	75	2	B02102a	TO116
49#	DN1097	2	8.0MΔ	MON	2.6%	.40*	DTL	5	11	0.0	5.0	40n%			52mt	1.0 Δ	0	75	2	B02101b	TO116
50	HEPC1052P-RT	2		MON	2.60%	.45*t	DTL	4		0.0	5.0	40n			120mt		0	75	2	B02254	TO116
51	MC852F	2		MON	2.6%	.45*	DTL	4	24	0.0	5.0	40n			120mt		0	75	2	B02101	TO86
52	MC852L,P%	2		MON	2.6%	.45*	DTL	4	24	0.0	5.0	40n			120mt		0	75	2	B02101	TO116
53	MC853F	2		MON	2.6%	.45*	DTL	4	24	0.0	5.0	40n			120mt		0	75	2	B02101a	TO86
54	MC853L,P%	2		MON	2.6%	.45*	DTL	4	24	0.0	5.0	40n			120mt		0	75	2	B02101a	TO116
55	MC855F	2		MON	2.6%	.45*	DTL	4	22	0.0	5.0	40n			140mt		0	75	2	B02101b	TO86
56	MC855L,P%	2		MON	2.6%	.45*	DTL	4	22	0.0	5.0	40n			140mt		0	75	2	B02101b	TO116
57	MC856F	2		MON	2.6%	.45*	DTL	4	22	0.0	5.0	40n			140mt		0	75	2	B02101c	TO86
58	MC856L,P%	2		MON	2.6%	.45*	DTL	4	22	0.0	5.0	40n			140mt		0	75	2	B02101c	TO116
59	SN15831	2	7.0MΔ	MON	2.6%	.45*t	DTL	7	14	0	8	75nΔ			30mt		0	75	1	B0287	TO84
60	SN15831N	2	7.0MΔ	MON	2.6%	.45*t	DTL	7	14	0	8	75nΔ			30mt		0	75	1	B0287	M126
61	SN15845	2	7.0MΔ	MON	2.6%	.45*t	DTL	7	24	0	8	75nΔ			20mt		0	75	1	B02103	TO84
62	SN15845N	2	7.0MΔ	MON	2.6%	.45*t	DTL	7	24	0	8	75nΔ			20mt		0	75	1	B02103	M126
63	SN15848	2	7.0MΔ	MON	2.6%	.45*t	DTL	7	22	0	8	70n%			20mt		0	75	1	B02103a	TO84
64	SN15848N	2	7.0MΔ	MON	2.6%	.45*t	DTL	7	22	0	8	75nΔ			20mt		0	75	1	B02103a	M126
65	SN530	2		MON	2.7	.30	DTL	6	10	0	4	60n	45n	40n	27m	200m	-55	125	1	B024c	ZB5
66	SN5300	2	4.0Mt	MON	2.7%	.3*t	DTL	6	20	0	7	30n	45n	40n	40m		-55	125	1	B024d	TO89
67	SN5301	2	4.0Mt	MON	2.7%	.3*t	DTL	7	20	0	7	30nΔ	45n	40n	40m		-55	125	1	B024a	TO84
68	SN5302	2	4.0Mt	MON	2.7%	.3*t	DTL	4	20	0	7	30nΔ	45n	40n	80m		-55	125	2	B024	TO84
69	SN5304	2	4.0Mt	MON	2.7%	.3*t	DTL	5	20	0	7	30nΔ	45n	40n	80m		-55	125	2	B024b	TO84
70	9093DC	2		MON	3.1%	.45t*	DTL	4	10	0.0	5.0	75nΔ			500m		0	75	2	B02137	M157
71	9093FC	2		MON	3.1%	.45t*	DTL	4	10	0.0	5.0	75nΔ			500m		0	75	2	B02137	FP28b
72	9094DC	2		MON	3.1%	.45*t	DTL	4	9	0.0	5.0	75nΔ			500m		0	75	2	B02137	M157
73	9094FC	2		MON	3.1%	.45t*	DTL	4	9	0.0	5.0	75nΔ			500m		0	75	2	B02137	FP28b
74#	FQJ121	2	5.0M%	MON	3.1%	.45t*	DTL	3t	12	0.0	5.0	25n%	75n	75n	150m	1.0 Δ	0	75	2	B02201	TO116
75#	FQJ141	2	5.0M%	MON	3.1%	.45t*	DTL	3t	12	0.0	5.0	25n%	75n	75n	150m	1.0 Δ	0	75	2	B02200	TO116
76	SP322B	2		MON	3.6%	.60t*	DTL	5	9	0.0	5.0					1.1 *	0	75	2	B02250	M256
77	9097DC	2		MON	4.3%	.45t*	DTL	8	9	0.0	5.0				500m		0	75	2	B02101b	M157
78	9097FC	2		MON	4.3%	.45*t	DTL	8	11	0.0	5.0	65nΔ			500m		0	75	2	B02101b	FP28b
79	9099DC	2		MON	4.3%	.45t*	DTL	8	10	0.0	5.0				500m		0	75	2	B02101b	M157
80	9099FC	2		MON	4.3%	.45t*	DTL	8	10	0.0	5.0				500m		0	75	2	B02101b	FP28b
81#	FQJ131	2	5.0M%	MON	4.3%	.45t*	DTL	3t	11	0.0	5.0	25n%	75n	65n	127m	1.0 Δ	0	75	2	B02201a	TO116
82#	FQJ151	2	5.0M%	MON	4.3%	.45t*	DTL	3t	11	0 0	5 0	25n%	75n	65n	175m	1.0 Δ	0	75	2	B02200a	TO116
83	K202	2	100k	PCB	5.0	0.0	DTL	2	15	0.0	5.0	5.0u	240u	120u	550m	1.6	0	65	2		
84	I100	2	5.0M	PCB	5.0	0.0	DTL	7	10	4.8	5.2	50n	50n	25n	450m	1.0	0	70	6		CBØ
85	I106	2	5.0M	PCB	5.0	0.0	DTL	5	10	4.8	5.2	50n	50n	25n	600m	1.0	0	70	8		CBØ
86	I107	2	5.0M	PCB	5.0	0.0	DTL	4	10	4.8	5.2	50n	50n	25n	600m	1.0	0	70	8		CBØ
87#	FCJ111	2	3.0M	MON	5.3%	.4t*	DTL	5	8	0	8	140n			73m		0	75	1	B038v	TO116
88	ITT312-1D	2			6.5	5.0	DTL	5		0.0	12	80nΔ					-55	125	2	B02259	M200d
89	ITT312-5D	2			6.5	5.0	DTL	5		0.0	12	80nΔ					-30	85	2	B02259	M200d
90	312AJ	2	5.0Mt%	MON	6.5*	5.0%	DTL	5	5	0.0	15	600nΔ			620mt	3.2	-30	70	2	B038q	M319
91	312AL	2	5.0Mt%	MON	6.5*	5.0%	DTL	5	5	0.0	15	600nΔ			620mt	3.2	-30	70	2	B038q	M200j
92	312BL	2	5.0Mt%	MON	6.5*	5.0%	DTL	5	5	0.0	12	600nΔ			360mt	3.5	-55	125	2	B038q	M200j
93	312CL	2	5.0Mt%	MON	6.5*	5.0%	DTL	5	5	0.0	12	600nΔ			360mt	3.5	-30	85	2	B038q	M200j
94	312ML	2	5.0Mt%	MON	6.5*	5.0%	DTL	5	5	0 0	15	600nΔ			620mt	3.2	-55	125	2	B038q	M200j
95	313AJ	2	5.0Mt%	MON	6.5*	5.0%	DTL	5	5	0.0	15	600nΔ			620mt	3 2	-30	70	2	B038q	M319
96	313AL	2	5.0Mt%	MON	6.5*	5.0%	DTL	5	5	0.0	15	600nΔ			620mt	3.2	-30	70	2	B038q	M200j
97	313BL	2	5.0Mt%	MON	6 5*	5.0%	DTL	5	5	0.0	12	600nΔ			360mt	3.5	-55	125	2	B038q	M200j
98	313CJ	2	5.0Mt%	MON	6.5*	5.0%	DTL	5	5	0.0	12	600nΔ			360mt	3.5	-30	85	2	B038q	M319
99	313CL	2	5.0Mt%	MON	6.5*	5.0%	DTL	5	5	0.0	12	600nΔ			360mt	3.5	-30	85	2	B038q	M200j
100	313ML	2	5.0Mt%	MON	6.5*	5 0%	DTL	5	5	0.0	15	600nΔ			620mt	3.2	-55	125	2	B038q	M200j
101	SN15312J	2		MON	6.8%	5.0*	DTL	5		0.0	13 5	70nΔ			324m%		-30	85	2	B02259	M153a
102	SN15312N	2		MON	6.8%	5.0*	DTL	5		0.0	13.5	70nΔ			324m%		-30	85	2	B02259	M117
103	311AJ	2		MON	7.0*	5.0%	DTL	10	6	0.0	15	820nΔ			375mt	3.2	-30	70	1	B02148	M319
104	311AL	2		MON	7.0*	5.0%	DTL	10	6	0.0	15	820nΔ			375mt	3.2	-30	70	1	B02148	M200j
105	311BL	2		MON	7.0*	5.0%	DTL	10	6	0.0	12	820nΔ			216mt	3.5	-55	125	1	B02148	M200j
106	311CL	2		MON	7.0*	5.0%	DTL	10	6	0.0	12	820nΔ			216mt	3.5	-30	85	1	B02148	M200j
107	311ML	2		MON	7.0*	5.0%	DTL	10	6	0.0	15	820nΔ			375mt	3.2	-55	125	1	B02148	M200j
108▼	MC12663L,P%	2	3.0Mt%	MON	11%	1.8*t	DTL	4	9	0.0	12	180n	4.0n	4.0n	200mt		-30	75	2	B038t	TO116
109	312CJ	2		MON	11.3	1.2t	DTL	5	5	0.0	12	80nΔ			280m	3 5	-35	80	2	B038q	M172
110	311CJ	2	2.0MtØ	MON	11.3	1.2t	DTL	10	5	0.0	12	255nΔ			180m	3.5	-35	80	1	B02148	M172

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

4. BINARY OR FLIP - FLOP

IN ORDER OF (1)FLIP-FLOP (2)LOG TYPE (3)LOG LEV'1' (4)LOG LEV'0' (5)MAX FREQ (6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF FLIP-FLOP	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	MC688L	2	2.5Mt Ø	MON	12.5%	1.50*†	DTL	5	10	0.0	15	450n			375mt		-30	75	2	B02271	M191
2	MC688P	2	2.5Mt Ø	MON	12.5%	1.50*†	DTL	5	10	0.0	15	450n			375mt		-30	75	2	B02271	M278
3	MC663L,P%	2	3.0Mt %	MON	12.5%	1.5*†	DTL	4	9	0.0	15	180n	36nt	5.0nt	200mt		-30	75	2	B038t	TO116
4	HEP558-RT	2					ECT		5	0.0	6.0	15n			87m						CN8
5	MC308F	2	30M	MON	.75	-1 6	ECT	3	25	5.2	0	12n	16n	18n	85m		-55	125	1	B0231	TO91
6	MC308G	2	30M	MON	.75	-1.6	ECT	3	25	5.2	0	12n	16n	18n	85m		-55	125	1	B0231	CN9
7	MC1032P	2	75Mt Ø	MON	-.70	-1.8	ECT	5	25	5.2	0.0	5.0n%	8.5n	8.5n	180mt		0	75	2	B02214	M278
8	MC1232F	2	75Mt Ø	MON	-.70	-1.8	ECT	5	25	5.2	0.0	5.0n%	8.5n	8.5n	180mt		-55	125	2	B02214	TO86
9	MC1232L	2	75Mt Ø	MON	-.70	-1.8	ECT	5	25	5.2	0.0	5.0n%	8.5n	8.5n	180mt		-55	125	2	B02214	TO116
10	MC1027P	2	100Mt Ø	MON	-.70	-1.8	ECT	10	25	5.2	0.0	4.0n%	6.0n	6.0n	250mt		0	75	1	B02104	TO116
11	MC1227F	2	100Mt Ø	MON	-.70	-1.8	ECT	10	25	5.2	0.0	4.0n%	6.0n	6.0n	250mt		0	75	1	B02104	TO86
12	MC1227L	2	100Mt Ø	MON	-.70	-1.8	ECT	10	25	5.2	0.0	4.0n%	6.0n	6.0n	250mt		-55	125	1	B02104	TO116
13	MC314F	2	30M	MON	-.75	-1 6	ECT	2	25	5.2	0	16n	16n	16n	150m		-55	125		B0276	TO91
14	MC314G	2	30M	MON	-.75	-1.6	ECT	2	25	5.2	0	16n	16n	16n	150m		-55	125		B0276	CN9
15	MC364F	2	30M	MON	-.75	-1.6	ECT	2	25	5.2	0	16n	16n	16n	150m		0	75		B0277	TO91
16	MC364G	2	30M	MON	-.75	-1.6	ECT	2	25	5.2	0	16n	16n	16n	150m		0	75		B0277	CN9
17	MC358F	2	40M	MON	-.75	-1 6	ECT	6		5.2	0	16nΔ	16n	16n	48m		0	75	1	B027	TO91
18	MC358G	2	40M	MON	-.75	-1.6	ECT	6		5.2	0	16nΔ	16n	16n	48m		0	75	1	B027	CN9
19	MC1013P	2	70Mt Ø	MON	-.85%	-1.5*†	ECT	10	25	5.2	0.0	6.0n	7.5n	7.5n	125mt		0	75	1	B02202	TO116
20	MC1213F	2	70Mt Ø	MON	-.85%	-1.5*†	ECT	10	25	5.2	0.0	6.0n	7.5n	7.5n	125mt		-55	125	1	B02202	TO86
21	MC1213L	2	70Mt Ø	MON	-.85%	-1.5*†	ECT	10	25	5.2	0.0	6.0n	7.5n	7.5n	125mt		-55	125	1	B02202	TO116
22	N1027A	2			-.85	-1.8	ECT	4	25	5.2	0.0	4.0n	8.5n	8.5n	250m	400m	0	75			M153a
23	N1013A	2	85M		-.85	-1.8	ECT	4	25	5.2	0.0	6.0n	8.5n	8.5n	125m	400m	0	75			M153a
24▼	MC10535F	2	140Mt %	MON	-.93%	1.6*†	ECT	5		5.2	0.0	4.5nΔ	5.0n	5.0n	280mt		-55	125	2	B02278	FP85
25▼	MC10535L	2	140Mt %	MON	-.93%	1.6*†	ECT	5		5 2	0.0	4.5nΔ	5.0n	5.0n	280mt		-55	125	2	B02278	M191
26♦	MC10135L	2	140Mt %	MON	-.96%	-1.6*†	ECT	5		5.2	0.0	3.0n%	2.0nt	2.0nt	280mt		-30	85	2	B02268	M191
27▼	MC10135P	2	140Mt %	MON	-.96%	-1.6*†	ECT	5		5.2	0.0	3.0n%	2.0nt	2.0nt	280mt		-30	85	2	B02268	M278
28	HEPC3400P-RT	2		MON	-1.8%	-.70*†	ECT	10	25	5.2	0.0	8.5nΔ	7.5n	7.5n	125mt		0	75	1	B02202	TO116
29	HEPC3401P-RT	2		MON	-1.8%	-.70*†	ECT	10	25	5.2	0.0	6.0nΔ	6.0n	6.0n	250mt		0	75	1	B02202	TO116
30	9923EC	2		MON			RTL	4	20	0.0	3.6	15n					15	55	1	B0221	CN34
31	HEP572-RT	2					RTL	4	10	0.0	4 0	36n			250m				2		TO116
32	HEP583-RT	2					RTL	4	2	0.0	4.0	80n			23m				1		TO99
33	9923HC	2	2.0M	MON			RTL	4	20	0.0	3.6	15n					0	70	1	B0221	TO99
34	MC9702P	2	4.0Mt	MON			RTL	4	3	0.0	3.6	55n			182m		15	55	2	B02246	TO116
35	MC9722P	2	4.0Mt	MON			RTL	4	4	0.0	3.6	75n			24mt		15	55	2	B02198	TO116
36	MC9802P	2	4.0Mt	MON			RTL	4	3	0.0	3.6	55n			182m		0	75	2	B02246	TO116
37	MC9822P	2	4.0Mt	MON			RTL	4	4	0.0	3 6	75n			24mt		0	75	2	B02198	TO116
38#	9974-1-5B	2	20Mt	MON			RTL	4	10	0.0	3.0				56mt		-55	125	1	B02226	TO100
39#	9974-9-5B	2	20Mt	MON			RTL	4	16	0.0	3.6				90mt		0	70	1	B02226	TO99
40	MC920F	2		MON	.75%	45*	RTL	4	4	0.0	4	50n			15mt		-55	125	1	B0230a	TO91
41	MC920G	2		MON	.75%	.45*	RTL	4	4	0.0	4	50n			15mt		-55	125	1	B0230a	TO99
42	MC922F	2		MON	.75%	.45*	RTL	5	8	0.0	4	70n			17mt		-55	125	1	B0227	TO91
43	MC922G	2		MON	.75%	.45*	RTL	5	8	0.0	4	70n			17mt		-55	125	1	B0227	TO100
44	MC976F	2		MON	75%	.45*	RTL	4	4	0	4	50n			31mt		-55	125	2	B02119	TO86
45	MC982G	2		MON	.75%	.45*	RTL	4	4	0	4				15mt		-55	125	1	B02120	TO99
46	MC820F	2		MON	.80%	.46*	RTL	4	4	0.0	4	50n			20mt		0	75	1	B0230a	TO91
47	MC820G	2		MON	.80%	.46*	RTL	4	4	0.0	4	50n			20mt		0	75	1	B0230a	TO99
48	MC822F	2		MON	80%	.46*	RTL	5	8	0	4	70n			24mt		0	75	1	B0227	TO91
49	MC822G	2		MON	.80%	.46*	RTL	5	8	0	4	70n			24mt		0	75	1	B0227	TO100
50	MC876F	2		MON	.80%	.46*	RTL	4	4	0	4	50n			41mt		0	75	2	B02119	TO86
51	MC882G	2		MON	.80%	.46*	RTL	4	4	0	4				23mt		0	75	1	B02120	TO99
52	MC722P	2	1.0Mt	MON	.80%	.46*	RTL	5	8	0.0	3.6				35mt		15	55	1	B0227a	TO116
53	MC876P	2	3.0Mt Ø	MON	.80%	.46*	RTL	4	4	0.0	3.6				41m		0	75	2	B02113	TO116
54	MC916F	2		MON	.82%	.57*	RTL	4	6	0	4	35n			54mt		-55	125	1	B0230	TO91
55	MC916G	2		MON	.82%	.57*	RTL	4	6	0	4	30n			54mt		-55	125	1	B0230	TO99
56	MC974G	2		MON	.82%	.57*	RTL	4	10	0	4	35n			65mt		-55	125	1	B02118	TO99
57	MC990F	2		MON	.82%	.57*	RTL	4	6	0	4	35n			108mt		-55	125	2	B02121	TO86
58	MC991F	2	4.0Mt	MON	.82%	.57*	RTL	4	10	0	4	40n			115mt		-55	125	2	B02118b	TO86
59	MC926F	2	8Mt %	MON	.82%	.57*	RTL	5	5	0	4	35n			130mt	100m	-55	125	1	B0227	TO91
60	MC926G	2	8Mt %	MON	.82%	57*	RTL	5	5	0	4	35n			130mt	100m	-55	125	1	B0227	TO100
61	MC816F	2		MON	.84%	.55*	RTL	4	6	0	4	35n			54mt		0	100	1	B0230	TO91
62	MC816G	2		MON	.84%	.55*	RTL	4	6	0	4	30n			54mt		0	100	1	B0230	TO99
63	MC874G	2		MON	.84%	.55*	RTL	4	10	0	4	35n			65mt		0	100	1	B02118	TO99
64	MC890F	2		MON	.84%	.55*	RTL	4	6	0	4	35n			108mt		0	100	2	B02121	TO86
65	MC891F	2	4.0Mt	MON	.84%	.55*	RTL	4	10	0	4	40n			115mt		0	100	2	B02118b	TO86
66	MC826F	2	8Mt %	MON	.84%	.55*	RTL	5	5	0	4	35n			130mt	100m	0	100	1	B0227	TO91
67	MC826G	2	8Mt %	MON	.84%	55*	RTL	5	5	0	4	35n			130mt	100m	0	100	1	B0227	TO100
68	MC822P	2	1.0Mt	MON	.85%	.46*	RTL	5	8	0.0	3.6				35mt		0	75	1	B0227a	TO116
69	MC776P	2	3.0Mt Ø	MON	.85%	.46*	RTL	4	4	0.0	3.6				41m		15	55	2	B02113	TO116
70	MC723P	2	4.0Mt	MON	.85%	46*	RTL	4	20	0.0	3.6				91m		15	55	2	B0230b	TO116
71	MC726P	2	4 0Mt	MON	.85%	.46*	RTL	5	32	0.0	3.6				100mt	300m	15	55	2	B0227a	TO116
72	MC790P	2	4.0Mt	MON	.85%	.46*	RTL	4	20	0.0	3.6				182mt		15	55	2	B02121a	TO116
73	MC791P	2	4.0Mt	MON	.85%	.46*	RTL	4	32	0.0	3.6	40n			115mt		15	55	2	B02118a	TO116
74	MC816P	2	4.0Mt	MON	88%	.50*	RTL	4	20	0.0	3.6				91mt		0	75	1	B0230b	TO116
75	MC826P	2	4.0Mt	MON	.88%	.50*	RTL	5	32	0.0	3.6				100mt	300m	0	75	1	B0227a	TO116
76	MC890P	2	4.0Mt	MON	.88%	50*	RTL	4	20	0.0	3.6				182mt		0	75	2	B02121a	TO116
77	MC891P	2	4.0Mt	MON	.88%	.50*	RTL	4	32	0.0	3.6	40n			115mt		0	75	2	B02118a	TO116
78	MC720F	2		MON	1.1	10	RTL	4	4	0.0	4	50n			20mt		15	55	1	B0230	TO91
79	MC720G	2		MON	1.1	.10	RTL	4	4	0 0	4	50n			20mt		15	55	1	B0230	TO99
80	MC722F	2		MON	1.1	.10	RTL	5	8	0	4	70n			24mt		15	55	1	B0227	TO91
81	MC722G	2		MON	1.1	.10	RTL	5	8	0	4	70n			24mt		15	55	1	B0227	TO100
82	MC782G	2		MON	1 1	.10	RTL	4	4	0	4	80n			23mt		15	55	1	B02120	TO99
83	MC791F	2		MON	1 1	.10	RTL	4	22	0	4	40n			190mt		15	55	2	B02118b	TO86
84	MC776F	2	3.0M	MON	1.1	.10	RTL	4	4	0	4	50n			82mt		15	55	2	B02119	TO86
85	MC723F	2	4.0Mt	MON	1.1	.10	RTL	4	20	0.0	3.6	35n			91mt		15	55	1	B0230	TO91
86	MC723G	2	4.0Mt	MON	1.1	.10	RTL	4	20	0.0	3.6	35n			91mt		15	55	1	B0230	TO99
87	MC726F	2	4.0M	MON	1.1	.10	RTL	5	32	0	4	36n			100mt		15	55	1	B0227	TO91
88	MC726G	2	4.0M	MON	1.1	.10	RTL	5	32	0	4	36n			100mt		15	55	1	B0227	TO100
89	MC790F	2	4.0M	MON	1.1	10	RTL	4	20	0	4	35n			182mt		15	55	2	B02121	TO86
90	9967DC	2	35M	MON	2.5	.50†	RTL	8	12	2.0	4.5				1.0	500m	15	55	1	B02149	TO116
91#	GTB74S112	2		MON			TTL	5	10	0.0	5.0	3.0n			37mΔ		0	70	2	B02257	
92	RF3130D	2	75Mt	MON			TTL	3	11	0	5				110mt	1.1	-55	125	2		M105m
93	RF3130K	2	75Mt	MON			TTL	3	11	0	5				110mt	1.1	-55	125	2		FP21b
94	RF3132D	2	75Mt	MON			TTL	3	9	0	5				110mt	1.1	0	75	2		M105m
95	RF3132K	2	75Mt	MON			TTL	3	9	0	5				110mt	1.1	0	75	2		FP21b
96#	T100D2-14	2		MON	1.7%	.90*	TTL	10	10	0.0	5.0	30nΔ				400m	-55	125	1	B02167	M105e
97#	T100F2	2		MON	1.7%	.90*	TTL	10	10	0.0	5.0	30nΔ				400m	-55	125	1	B02167	FP28c
98#	T101D2-14	2		MON	1.7%	.90*	TTL	10	10	0.0	5.0	30nΔ				400m	-55	125	1	B02168	M105e
99#	T101F2	2		MON	1.7%	.90*	TTL	10	10	0.0	5.0	30nΔ				400m	-55	125	1	B02168	FP28c
100#	T120D2-16	2		MON	1.7%	.90*	TTL	5	10	0 0	5 0	32nΔ			300m%	400m	-55	125	2	B02224	M200
101#	T121D2-16	2		MON	1.7%	.90*	TTL	5	10	0.0	5.0	32nΔ			300m%	400m	-55	125	2	B02225	M200
102	9000DM	2	20Mt %	MON	1.7%	.90*	TTL	8		0.0	5.0	12n					-55	125	1	B02185	M157
103	9000FM	2	20Mt %	MON	1 7%	.90*	TTL	8		0.0	5 0	12n					-55	125	1	B02185	FP28b
104	9024DM	2	25Mt %	MON	1.7%	.90*	TTL			0.0	5.0	25n			140m	400m	-55	125	1	B02185	M153a
105	9024FM	2	25Mt %	MON	1 7%	.90*	TTL			0.0	5.0	25n			140m	400m	-55	125	1	B02185	FP47a
106#	MIC9024-1D	2	25Mt %	MON	1 7%	.90*	TTL			0.0	5.0	25n			140m	400m	0	75	1	B02185	M153a
107	9001DM	2	50Mt %	MON	1.7%	90*	TTL	8		0.0	5.0	12n					-55	125	1	B02185	M157
108	9001FM	2	50Mt %	MON	1 7%	90*	TTL	8		0.0	5.0	12n					-55	125	1	B02185	FP28b
109	9020DM	2	50Mt %	MON	1.7%	.90*	TTL	4		0 0	5.0	12n					-55	125	2	B02187	M153a
110	9020FM	2	50Mt %	MON	1.7%	.90*	TTL	5		0.0	5.0	12n					-55	125	2	B02187	FP47a

4. BINARY OR FLIP - FLOP

IN ORDER OF (1)FLIP-FLOP (2)LOG TYPE (3)LOG LEV'1' (4)LOG LEV'0' (5)MAX FREQ (6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF FLIP-FLOP	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	9022DM	2	50Mt%	MON	1.7%	.90*	TTL	4		0.0	5.0	12n					-55	125	2	B02187	M153a
2	9022FM	2	50Mt%	MON	1.7%	.90*	TTL	4		0 0	5.0	12n					-55	125	2	B02187	FP47a
3#	MIC9020-1D	2	50Mt%	MON	1.7%	.90*	TTL	5		0.0	5.0	12n					0	75	2	B02187	M153a
4#	MIC9022-1D	2	50Mt%	MON	1.7%	.90*	TTL	4		0.0	5.0	12n					0	75	2	B02187	M153a
5	TF50F	2	30MΔ%	MON	1.7%	1.2*	TTL	10	15	0.0	7.0	20n			40mt	500mΔ	-55	125	1	B0242	FP21c
6	TF50J	2	30MΔ%	MON	1.7%	1.2*	TTL	10	15	0.0	7.0	20n			40mt	500mΔ	-55	125	1	B0242	TO116
7	TF51F	2	30MΔ%	MON	1.7%	1.2*	TTL	10	7	0.0	7.0	20n			40mt	500mΔ	-55	125	1	B0242	FP21c
8	TF51J	2	30M%Δ	MON	1.7%	1.2*	TTL	10	7	0.0	7.0	20n			40mt	500mΔ	-55	125	1	B0242	TO116
9	TF60F	2	30M%Δ	MON	1.7%	1.2*	TTL	10	15	0.0	7.0	20n			40mt	500mΔ	-55	125	1	B0257	FP21c
10	TF60J	2	30M%Δ	MON	1.7%	1.2*	TTL	10	15	0.0	7.0	20n			40mt	500mΔ	-55	125	1	B0257	TO116
11	TF61F	2	30M%Δ	MON	1.7%	1.2*	TTL	10	7	0.0	7.0	20n			40mt	500mΔ	-55	125	1	B0257	FP21c
12	TF61J	2	30M%Δ	MON	1.7%	1.2*	TTL	10	7	0.0	7.0	20n			40mt	500mΔ	-55	125	1	B0257	TO116
13	TF250F	2	40M%Δ	MON	1.7%	1.2*	TTL	10	10	0.0	7 0	17n			60mt	500mΔ	-55	125	1	B0242	FP21c
14	TF250J	2	40M%Δ	MON	1.7%	1.2*	TTL	10	10	0.0	7.0	17n			60mt	500mΔ	-55	125	1	B0242	TO116
15	TF251F	2	40M%Δ	MON	1.7%	1.2*	TTL	10	5	0.0	7.0	17n			60mt	500mΔ	-55	125	1	B0242	FP21c
16	TF251J	2	40M%Δ	MON	1.7%	1.2*	TTL	10	5	0.0	7.0	17n			60mt	500mΔ	-55	125	1	B0242	TO116
17	TF260F	2	40M%Δ	MON	1.7%	1.2*	TTL	10	10	0.0	7.0	17n			60mt	500mΔ	-55	125	1	B0257	FP21c
18	TF260J	2	40M%Δ	MON	1.7%	1.2*	TTL	10	10	0.0	7.0	17n			60mt	500mΔ	-55	125	1	B0257	TO116
19	TF261F	2	40M%Δ	MON	1.7%	1.2*	TTL	10	5	0.0	7.0	17n			60mt	500mΔ	-55	125	1	B0257	FP21c
20	TF261J	2	40M%Δ	MON	1.7%	1.2*	TTL	10	5	0.0	7.0	17n			60mt	500mΔ	-55	125	1	B0257	TO116
21#	T100B1-14	2		MON	1.8%	.85*	TTL	10	10	0.0	5.0	30nΔ			140m%	400m	0	75	1	B02167	M105e
22#	T100D1-14	2		MON	1.8%	.85*	TTL	10	10	0.0	5.0	30nΔ			140m%	400m	0	75	1	B02167	M105e
23#	T100F1	2		MON	1.8%	.85*	TTL	10	10	0.0	5.0	30nΔ			140m%	400m	0	75	1	B02167	FP28c
24#	T101B1-14	2		MON	1.8%	.85*	TTL	10	10	0.0	5.0	30nΔ			165m%	400m	0	75	1	B02168	M105e
25#	T101D1-14	2		MON	1.8%	.85*	TTL	10	10	0.0	5.0	30nΔ			165m%	400m	0	75	1	B02168	M105e
26#	T101F1	2		MON	1.8%	.85*	TTL	10	10	0.0	5.0	30nΔ			165m%	400m	0	75	1	B02168	FP28c
27#	T120B1-16	2		MON	1.8%	.85*	TTL	10	10	0.0	5.0	32nΔ			300m%	400m	0	75	2	B02224	M200
28#	T120D1-16	2		MON	1.8%	.85*	TTL	10	10	0.0	5.0	32nΔ			300m%	400m	0	75	2	B02224	M200
29#	T121B1-16	2		MON	1.8%	.85*	TTL	10	10	0.0	5 0	32nΔ			300m%	400m	0	75	2	B02225	M200
30#	T121D1-16	2		MON	1.8%	.85*	TTL	10	10	0.0	5.0	32nΔ			300m%	400m	0	75	2	B02225	M200
31▼	SN29000J	2	15MΔ	MON	1.8%	.85*	TTL	9		0.0	5.0	35nΔ			140m%		0	75	1	B02167	M157b
32▼	SN29000N	2	15MΔ	MON	1.8%	.85*	TTL	9		0.0	5.0	35nΔ			140m%		0	75	1	B02167	M126e
33	9000DC	2	20Mt%	MON	1.8%	.85*	TTL	8		0.0	5.0	12n					0	75	1	B02151	M157
34	9000FC	2	20Mt%	MON	1.8%	.85*	TTL	8		0.0	5.0	12n					0	75	1	B02151	FP28b
35	9024DC	2	25Mt%	MON	1.8%	.85*	TTL			0.0	5.0	25n			140m	400m	0	75	1	B02185	M153a
36	9024FC	2	25Mt%	MON	1.8%	.85*	TTL			0.0	5.0	25n			140m	400m	0	75	1	B02185	FP47a
37#	MIC9024-5D	2	25Mt%	MON	1.8%	.85*	TTL			0.0	5.0	25n			140m	400m	0	75	1	B02185	M153a
38▼	SN29024J	2	25MΔ	MON	1.8%	.85*	TTL	4		0.0	5.0	35nΔ			140m%		0	75	2		M157b
39▼	SN29024N	2	25MΔ	MON	1.8%	.85*	TTL	4		0.0	5.0	35nΔ			140m%		0	75	2		M126e
40▼	SN29001J	2	30MΔ	MON	1.8%	.85*	TTL	9		0.0	5 0	35nΔ			165m%		0	75	1		M157b
41▼	SN29001N	2	30MΔ	MON	1.8%	.85*	TTL	9		0.0	5.0	35nΔ			165m%		0	75	1		M126e
42	9001DC	2	50Mt%	MON	1.8%	.85*	TTL	8		0.0	5.0	12n					0	75	1	B02151	M157
43	9001FC	2	50Mt%	MON	1 8%	.85*	TTL	8		0.0	5.0	12n					0	75	1	B02151	FP28b
44	9020DC	2	50Mt%	MON	1 8%	85*	TTL	5		0 0	5.0	12n					0	75	2	B02187	M153a
45	9020FC	2	50Mt%	MON	1.8%	.85*	TTL	5		0.0	5.0	12n					0	75	2	B02187	FP47a
46	9022DC	2	50Mt%	MON	1.8%	.85*	TTL	4		0.0	5.0	12n					0	75	2	B02187	M153a
47	9022FC	2	50Mt%	MON	1 8%	85*	TTL	4		0.0	5.0	12n					0	75	2	B02187	FP47a
48#	MIC9020-5D	2	50Mt%	MON	1.8%	.85*	TTL	5		0.0	5.0	12n					0	75	2	B02187	M153a
49#	MIC9022-5D	2	50Mt%	MON	1.8%	.85*	TTL	4		0 0	5.0	12n					0	75	2	B02187	M153a
50▼	TF120F	2	50Mt	MON	1.8%	1.1*	TTL	4	11	0.0	5.0	15n					-55	125	2		
51▼	TF120J	2	50Mt	MON	1.8%	1.1*	TTL	4	11	0.0	5.0	15n					-55	125	2		
52▼	TF121F	2	50Mt	MON	1.8%	1.1*	TTL	4	6	0.0	.5.0	15n					-55	125	2		
53▼	TF121J	2	50Mt	MON	1.8%	1.1*	TTL	4	6	0.0	5.0	15n					-55	125	2		
54▼	TF122F	2	50Mt	MON	1.8%	1.1*	TTL	4	9	0.0	5.0	15n					0	75	2		
55▼	TF122J	2	50Mt	MON	1.8%	1.1*	TTL	4	9	0.0	5.0	15n					0	75	2		
56▼	TF123F	2	50Mt	MON	1.8%	1.1*	TTL	4	5	0.0	5.0	15n					0	75	2		
57▼	TF123J	2	50Mt	MON	1.8%	1.1*	TTL	4	5	0.0	5 0	15n					0	75	2		
58▼	TF200F	2	50Mt	MON	1.8%	1.1*	TTL	10	11	0.0	5.0	15n			55m		-55	125	1		
59▼	TF200J	2	50Mt	MON	1.8%	1.1*	TTL	10	11	0 0	5.0	15n			55m		-55	125	1		
60▼	TF201F	2	50Mt	MON	1.8%	1.1*	TTL	10	6	0 0	5.0	15n			55m		-55	125	1		
61▼	TF201J	2	50Mt	MON	1.8%	1.1*	TTL	10	6	0.0	5.0	15n			55m		-55	125	1		
62▼	TF202F	2	50Mt	MON	1.8%	1.1*	TTL	10	9	0.0	5.0	15n			55m		0	75	1		
63▼	TF202J	2	50Mt	MON	1.8%	1.1*	TTL	10	9	0.0	5.0	15n			55m		0	75	1		
64▼	TF203F	2	50Mt	MON	1.8%	1 1*	TTL	10	5	0.0	5.0	15n			55m		0	75	1		
65▼	TF203J	2	50Mt	MON	1.8%	1.1*	TTL	10	5	0.0	5.0	15n			55m		0	75	1		
66▼	TF210F	2	50Mt	MON	1.8%	1.1*	TTL	10	11	0.0	5.0	15n			65m		-55	125	1		
67▼	TF210J	2	50Mt	MON	1.8%	1.1*	TTL	10	11	0.0	5.0	15n			65m		-55	125	1		
68▼	TF211F	2	50Mt	MON	1.8%	1 1*	TTL	10	6	0.0	5.0	15n			65m		-55	125	1		
69▼	TF211J	2	50Mt	MON	1.8%	1.1*	TTL	10	6	0.0	5.0	15n			65m		-55	125	1		
70▼	TF212F	2	50Mt	MON	1.8%	1.1*	TTL	10	9	0.0	5 0	15n			65m		0	75	1		
71▼	TF212J	2	50Mt	MON	1.8%	1.1*	TTL	10	9	0.0	5.0	15n			65m		0	75	1		
72▼	TF213F	2	50Mt	MON	1.8%	1.1*	TTL	10	5	0.0	5.0	15n			65m		0	75	1		
73▼	TF213J	2	50Mt	MON	1.8%	1.1*	TTL	10	5	0.0	5.0	15n			65m		0	75	1		
74	TF52F	2	30M%Δ	MON	1.8%	1.2*	TTL	10	15	0.0	7.0	20n			40mt	500mΔ	0	75	1	B0242	FP21c
75	TF52J	2	30M%Δ	MON	1.8%	1.2*	TTL	10	15	0.0	7.0	20n			40mt	500mΔ	0	75	1	B0242	TO116
76	TF53F	2	30M%Δ	MON	1.8%	1.2*	TTL	10	7	0.0	7.0	20n			40mt	500mΔ	0	75	1	B0242	FP21c
77	TF53J	2	30M%Δ	MON	1.8%	1.2*	TTL	10	7	0.0	7.0	20n			40mt	500mΔ	0	75	1	B0242	TO116
78	TF62F	2	30M%Δ	MON	1.8%	1.2*	TTL	10	15	0.0	7 0	20n			40mt	500mΔ	0	75	1	B0257	FP21c
79	TF62J	2	30M%Δ	MON	1.8%	1.2*	TTL	10	15	0.0	7.0	20n			40mt	500mΔ	0	75	1	B0257	TO116
80	TF63F	2	30M%Δ	MON	1.8%	1.2*	TTL	10	7	0 0	7.0	20n			40mt	500mΔ	0	75	1	B0257	FP21c
81	TF63J	2	30M%Δ	MON	1.8%	1.2*	TTL	10	7	0.0	7.0	20n			40mt	500mΔ	0	75	1	B0257	TO116
82	TF252F	2	40M%	MON	1.8%	1.2*	TTL	10	10	0.0	7.0	17n			60mt	500mΔ	0	75	1	B0242	FP21c
83	TF252J	2	40M%	MON	1.8%	1.2*	TTL	10	10	0 0	7.0	17n			60mt	500mΔ	0	75	1	B0242	TO116
84	TF253F	2	40M%Δ	MON	1.8%	1.2*	TTL	10	5	0.0	7.0	17n			60mt	500mΔ	0	75	1	B0242	FP21c
85	TF253J	2	40M%Δ	MON	1.8%	1.2*	TTL	10	5	0.0	7.0	17n			60mt	500mΔ	0	75	1	B0242	TO116
86	TF262F	2	40M%Δ	MON	1.8%	1.2*	TTL	10	10	0.0	7.0	17n			60mt	500mΔ	0	75	1	B0257	FP21c
87	TF262J	2	40M%Δ	MON	1.8%	1.2*	TTL	10	10	0.0	7.0	17n			60mt	500mΔ	0	75	1	B0257	TO116
88	TF263F	2	40M%Δ	MON	1.8%	1.2*	TTL	10	5	0.0	7 0	17n			60mt	500mΔ	0	75	1	B0257	FP21c
89	TF263J	2	40M%Δ	MON	1.8%	1.2*	TTL	10	5	0.0	7.0	17n			60mt	500mΔ	0	75	1	B0257	TO116
90▼	RSN54L72H	2	3.0MΔ%	MON	1.9%	.80*	TTL	9		0.0	5.0	150nΔ			7.2m%		-55	125	1	B02283a	FP69b
91	MIC9000-5B	2		MON	1.9%	85*	TTL	7	10	0	5 5						0	75	1	B02167	TO86
92	MIC9000-5D	2		MON	1.9%	.85*	TTL	7	10	0	5.5						0	75	1	B02167	TO116
93	MIC9001-5B	2		MON	1.9%	.85*	TTL	7	10	0	5.5						0	75	1	B02168	TO86
94	MIC9001-5D	2		MON	1.9%	.85*	TTL	7	10	0	5.5						0	75	1	B02168	TO116
95▼	JANM38510/02102BAA	2	2.5MΔØ	MON	2.0%	.60*	TTL	9	10	0.0	5.5	250nΔ			11m		-55	125	1	B02255	FP52d
96▼	JANM38510/02102BAC	2	2.5MΔØ	MON	2.0%	.60*	TTL	9	10	0.0	5.5	250nΔ			11m		-55	125	1	B02255	FP52d
97	JANM38510/02102BCB	2	2.5MΔØ	MON	2.0%	60*	TTL	9	10	0.0	5.5	250nΔ			11m		-55	125	1	B02255	M314
98▼	JANM38510/02102CAA	2	2.5MΔØ	MON	2.0%	.60*	TTL	9	10	0.0	5.5	250nΔ			11m		-55	125	1	B02255	FP52d
99▼	JANM38510/02102CAC	2	2.5MΔØ	MON	2.0%	.60*	TTL	9	10	0 0	5.5	250nΔ			11m		-55	125	1	B02255	FP52d
100	JANM38510/02102CCB	2	2.5MΔØ	MON	2.0%	.60*	TTL	9	10	0.0	5.5	250nΔ			11m		-55	125	1	B02255	M314
101▼	JANM38510/02103BAA	2	2.5MΔØ	MON	2.0%	.60*	TTL	4	10	0.0	5.5	250nΔ			22m		-55	125	2	B02203	FP52d
102▼	JANM38510/02103BAC	2	2.5MΔØ	MON	2.0%	.60*	TTL	4	10	0.0	5.5	250nΔ			22m		-55	125	2	B02203	FP52d

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

4. BINARY OR FLIP - FLOP

IN ORDER OF (1)FLIP-FLOP (2)LOG TYPE (3)LOG LEV'1' (4)LOG LEV'0' (5)MAX FREQ (6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF FLIP-FLOP	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1▼	JANM38510/02103CAA	2	2 5MΔØ	MON	2.0%	60*	TTL	4	10	0.0	5.5	250nΔ			22m		-55	125	2	B02203	FP52d
2▼	JANM38510/02103CAC	2	2 5MΔØ	MON	2.0%	.60*	TTL	4	10	0.0	5.5	250nΔ			22m		-55	125	2	B02203	FP52d
3▼	JANM38510/02104BAA	2	2.5MΔØ	MON	2.0%	.70*	TTL	8	10	0.0	5.5	250nΔ			22m		-55	125	2	B02256	FP52d
4▼	JANM38510/02104BAC	2	2.5MΔØ	MON	2.0%	70*	TTL	8	10	0 0	5 5	250nΔ			22m		-55	125	2	B02256	FP52d
5▼	JANM38510/02104CAA	2	2.5MΔØ	MON	2.0%	.70*	TTL	8	10	0.0	5.5	250nΔ			22m		-55	125	2	B02256	FP52d
6▼	JANM38510/02104CAC	2	2.5MΔØ	MON	2.0%	.70*	TTL	8	10	0.0	5.5	250nΔ			22m		-55	125	2	B02256	FP52d
7	NC74L72N	2	3 0M%Δ	MON	2.0%	.70*	TTL	9	20	0 0	5 0	200nΔ				1.0 Δ	0	70	1	B0288	TO116
8#	SFC472LE	2	3 0M%Δ	MON	2.0%	.70*	TTL	9	10	0.0	5 0	200nΔ				1.0 Δ	0	70	1	B0288	TO116
9#	SFC472LEM	2	3.0M%Δ	MON	2 0%	.70*	TTL	9	10	0.0	5.0	200nΔ				1.0 Δ	-55	125	1	B0288	TO116
10#	SFC473LE	2	3 0M%Δ	MON	2.0%	70*	TTL	4	10	0 0	5.0	200nΔ				1.0 Δ	0	70	2	B02205	TO116
11#	SFC473LEM	2	3.0M%Δ	MON	2 0%	70*	TTL	4	10	0.0	5.0	200nΔ				1.0 Δ	-55	125	2	B02205	TO116
12	SN54L73R	2	3.0M%Δ	MON	2 0%	70*	TTL	4	10	0.0	5.0	150nΔ			6.0m%		-55	125	2	B02130	FP21f
13	SN54L78R	2	3 0M%Δ	MON	2.0%	70*	TTL	4	10	0.0	5.0	150nΔ			6.5m%		-55	125	2	B02154	FP21f
14	SN74L73R	2	3.0M%Δ	MON	2.0%	.70*	TTL	4	10	0.0	5 0	150nΔ			6 0m%		0	70	2	B02130	FP21f
15♦	SN74L78J	2	3.0M%Δ	MON	2.0%	.70*	TTL	5	20	0.0	5.0	200nΔ				1.0 Δ	0	70	2	B02154	M157b
16♦	SN74L78N	2	3.0M%Δ	MON	2.0%	70*	TTL	5	20	0.0	5.0	200nΔ				1.0 Δ	0	70	2	B02154	M126e
17	SN74L78R	2	3 0M%Δ	MON	2.0%	.70*	TTL	4	10	0.0	5.0	150nΔ			6.0m%		0	70	2	B02154	FP21f
18♦	SN74L78T	2	3.0M%Δ	MON	2.0%	.70*	TTL	5	20	0.0	5.0	200nΔ				1.0 Δ	0	70	2	B02154	FP52e
19	SN54L72R	2	5.0M%Δ	MON	2.0%	.70*	TTL	9	10	0.0	5.0	150nΔ			3.0m†	1.0	-55	125	1	B0288	FP21f
20	SN74L72R	2	5 0M%Δ	MON	2.0%	70*	TTL	9	10	0.0	5.0	150nΔ			3.0m†	1.0	0	70	1	B0288	FP21f
21▼	BL54L67Y	2	10M%	MON	2.0%	.70*	TTL	9		0.0	5.0	200nΔ			3.8m%		-55	125	1	B02279	FC8
22▼	BL54L68Y	2	10M%	MON	2.0%	70*	TTL	4		0.0	5.0	200nΔ			3.8m%		-55	125	1	B02280	FC9
23▼	BL54L69Y	2	10M%	MON	2 0%	.70*	TTL	4		0.0	5.0	200nΔ			3.8m%		-55	125	2	B02281	FC9
24▼	BL74L67Y	2	10M%	MON	2.0%	.70*	TTL	9		0.0	5.0	200nΔ			3.8m%		0	70	1	B02279	FC8
25▼	BL74L68Y	2	10M%	MON	2.0%	.70*	TTL	4		0.0	5.0	200nΔ			3.8m%		0	70	1	B02280	FC9
26▼	BL74L69Y	2	10M%	MON	2 0%	.70*	TTL	4		0.0	5 0	200nΔ			3.8m%		0	70	2	B02281	FC9
27#	FLJ281-74104	2		MON	2.0%	.80*	TTL	10	10	0 0	5.0	25nΔ			120m§	1.0	0	70	1	B02167	M126p
28#	FLJ291-74105	2		MON	2.0%	.80*	TTL	10	10	0.0	5.0	25nΔ			140m§	1.0	0	70	1	B02172	M126p
29	MIC9000-1B	2		MON	2.0%	.80*	TTL	7	10	0	5 5						-55	125	1	B02167	TO86
30	MIC9000-1D	2		MON	2.0%	.80*	TTL	7	10	0	5.5						-55	125	1	B02167	TO116
31	MIC9001-1B	2		MON	2.0%	80*	TTL	7	10	0	5.5						-55	125	1	B02168	TO86
32	MIC9001-1D	2		MON	2.0%	80*	TTL	7	10	0	5.5						-55	125	1	B02168	TO116
33	SN54S113N	2		MON	2 0%	80*	TTL	4	20	0 0	5.0	5.0n			250m%	1.0 Δ	-55	125	2	B02258	M126e
34	SN54S114N	2		MON	2.0%	80*	TTL	5	20	0.0	5.0	5.0n			250m%	1.0 Δ	-55	125	2	B02258a	M126e
35	SN74S113W	2		MON	2 0%	80*	TTL	4	20	0.0	5.0	5.0n			250m%	1.0 Δ	0	70	2	B02258	Δ004AA
36	SN74S114W	2		MON	2 0%	.80*	TTL	5	20	0.0	5 0	5.0n			250m%	1.0 Δ	0	70	2	B02258a	Δ004AA
37	SN74109W	2		MON	2.0%	.80*	TTL	5	20	0.0	5.0	35nΔ			140m%	1.0 Δ	0	70	2	B02260	Δ004AG
38	SW7473H	2		MON	2.0%	.80*	TTL	4	10	0.0	5.25	50nΔ			40mt	1.0	0	70	2	B02130	FPZ
39	SW7473J	2		MON	2 0%	.80*	TTL	4	10	0.0	5.25	50nΔ			40mt	1.0	0	70	2	B02130a	M114
40	SW7473N	2		MON	2.0%	.80*	TTL	4	10	0.0	5.25	50nΔ			40mt	1 0	0	70	2	B02130a	M105n
41#	TL74104N	2		MON	2.0%	.80*	TTL	10	25	0.0	5.0	25nΔ			120mt		0	70	1	B02167	M126n
42#	TL74105N	2		MON	2.0%	.80*	TTL	10	25	0.0	5.0	25nΔ			120mt		0	70	1	B02172	M126n
43#	TL74107N	2		MON	2 0%	.80*	TTL	4	10	0.0	5.0	40nΔ			210mt		0	70	1	B02211	M126n
44#	FJJ111	2	10MΔ	MON	2.0%	.80*	TTL	9	10	0 0	5.0	40nΔ			40mt	400m	0	70	1	B0288	TO116
45#	FJJ111-7472	2	10M	MON	2.0%	.80*	TTL	9	10	0.0	5.0	40nΔ			40mt	1.0 Δ	0	70	1	B02237	M126f
46#	FJJ121	2	10MΔ	MON	2.0%	.80*	TTL	4	10	0 0	5.0	40nΔ			80mt	400m	0	70	2	B0291	TO116
47#	FJJ121-7473	2	10M	MON	2.0%	80*	TTL	4	10	0 0	5.0	40nΔ			80mt	1.0 Δ	0	70	2	B02238	M126f
48#	FJJ191	2	10MΔ	MON	2 0%	.80*	TTL	5	10	0.0	5.0	40nΔ			80mt	400m	0	70	2	B0292	M146e
49#	FJJ261	2	10MΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			80mt	400m	0	70	2	B02211	TO116
50#	FJJ261-74107	2	10M	MON	2.0%	80*	TTL	4	10	0.0	5.0	40nΔ			80mt	1.0 Δ	0	70	2	B02238a	M126f
51#	FLJ101-7470	2	10MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	23n%			65mt	1.0 Δ	0	70	1	B02240	M126p
52#	FLJ105-8470	2	10MΔØ	MON	2.0%	80*	TTL	9	10	0.0	5.0	23n%			65mt	1.0 Δ	-25	85	1	B02240	M126p
53	JANM38510/00201BAA	2	10MΔØ	MON	2 0%	.80*	TTL	9	10	0.0	5.5	40nΔ			110m		-55	125	1	B02267	FP52d
54	JANM38510/00201BAB	2	10MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5 5	40nΔ			110m		-55	125	1	B02267	FP52d
55	JANM38510/00201BAC	2	10MΔØ	MON	2 0%	80*	TTL	9	10	0 0	5.5	40nΔ			110m		-55	125	1	B02267	FP52d
56	JANM38510/00201BCA	2	10MΔØ	MON	2.0%	80*	TTL	9	10	0.0	5.5	40nΔ			110m		-55	125	1	B02267a	M314
57	JANM38510/00201BCB	2	10MΔØ	MON	2 0%	80*	TTL	9	10	0.0	5.5	40nΔ			110m		-55	125	1	B02267a	M314
58	JANM38510/00201BCC	2	10MΔØ	MON	2.0%	.80*	TTL	9	10	0 0	5.5	40nΔ			110m		-55	125	1	B02267a	M314
59	JANM38510/00201BDB	2	10MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	40nΔ			110m		-55	125	1	B02267	FP83
60	JANM38510/00201BDC	2	10MΔØ	MON	2.0%	80*	TTL	9	10	0 0	5.5	40nΔ			110m		-55	125	1	B02267	FP83
61	JANM38510/00201CAA	2	10MΔØ	MON	2 0%	.80*	TTL	9	10	0.0	5.5	40nΔ			110m		-55	125	1	B02267	FP52d
62	JANM38510/00201CAB	2	10MΔØ	MON	2 0%	.80*	TTL	9	10	0 0	5.5	40nΔ			110m		-55	125	1	B02267	FP52d
63	JANM38510/00201CAC	2	10MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	40nΔ			110m		-55	125	1	B02267	FP52d
64	JANM38510/00201CCA	2	10MΔØ	MON	2 0%	80*	TTL	9	10	0.0	5.5	40nΔ			110m		-55	125	1	B02267a	M314
65	JANM38510/00201CCB	2	10MΔØ	MON	2.0%	.80*	TTL	9	10	0 0	5.5	40nΔ			110m		-55	125	1	B02267a	M314
66	JANM38510/00201CCC	2	10MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	40nΔ			110m		-55	125	1	B02267a	M314
67	JANM38510/00201CDB	2	10MΔØ	MON	2 0%	.80*	TTL	9	10	0.0	5.5	40nΔ			110m		-55	125	1	B02267	FP83
68	JANM38510/00201CDC	2	10MΔØ	MON	2.0%	.80*	TTL	9	10	0 0•	5.5	40nΔ			110m		-55	125	1	B02267	FP83
69	JANM38510/00202BAA	2	10MΔØ	MON	2 0%	.80*	TTL	4	10	0.0	5.5	40nΔ			220m		-55	125	2	B02243	FP52d
70	JANM38510/00202BAB	2	10MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	40nΔ			220m		-55	125	2	B02243	FP52d
71	JANM38510/00202BAC	2	10MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	40nΔ			220m		-55	125	2	B02243	FP52d
72	JANM38510/00202BCA	2	10MΔØ	MON	2.0%	.80*	TTL	4	10	0 0	5.5	40nΔ			220m		-55	125	2	B02243	M314
73	JANM38510/00202BCB	2	10MΔØ	MON	2.0%	.80*	TTL	4	10	0 0	5.5	40nΔ			220m		-55	125	2	B02243	M314
74	JANM38510/00202BCC	2	10MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	40nΔ			220m		-55	125	2	B02243	M314
75	JANM38510/00202BDB	2	10MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	40nΔ			220m		-55	125	2	B02243	FP83
76	JANM38510/00202BDC	2	10MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	40nΔ			220m		-55	125	2	B02243	FP83
77	JANM38510/00202CAA	2	10MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	40nΔ			220m		-55	125	2	B02243	FP52d
78	JANM38510/00202CAB	2	10MΔØ	MON	2 0%	.80*	TTL	4	10	0.0	5.5	40nΔ			220m		-55	125	2	B02243	FP52d

4. BINARY OR FLIP - FLOP

IN ORDER OF (1)FLIP-FLOP (2)LOG TYPE (3)LOG LEV'1' (4)LOG LEV'0' (5)MAX FREQ (6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF FLIP-FLOP	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	JANM38510/00202CAC	2	10MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	40nΔ			220m		-55	125	2	B02243	FP52d
2	JANM38510/00202CCA	2	10MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	40nΔ			220m		-55	125	2	B02243	M314
3	JANM38510/00202CCB	2	10MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	40nΔ			220m		-55	125	2	B02243	M314
4	JANM38510/00202CCC	2	10MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	40nΔ			220m		-55	125	2	B02243	M314
5	JANM38510/00202CDB	2	10MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	40nΔ			220m		-55	125	2	B02243	FP83
6	JANM38510/00202CDC	2	10MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	40nΔ			220m		-55	125	2	B02243	FP83
7	JANM38510/00203BCA	2	10MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	40nΔ			220m		-55	125	2	B02243a	M314
8	JANM38510/00203BCB	2	10MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	40nΔ			220m		-55	125	2	B02243a	M314
9	JANM38510/00203BCC	2	10MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	40nΔ			220m		-55	125	2	B02243a	M314
10	JANM38510/00203CCA	2	10MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	40nΔ			220m		-55	125	2	B02243a	M314
11	JANM38510/00203CCB	2	10MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	40nΔ			220m		-55	125	2	B02243a	M314
12	JANM38510/00203CCC	2	10MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	40nΔ			220m		-55	125	2	B02243a	M314
13▼	JANM38510/00204BEA	2	10MΔØ	MON	2.0%	.80*	TTL	5	10	0.0	5.5	40nΔ			220m		-55	125	2	B02244	M146c
14	JANM38510/00204BEB	2	10MΔØ	MON	2.0%	.80*	TTL	5	10	0.0	5.5	40nΔ			220m		-55	125	2	B02244	M146c
15	JANM38510/00204BEC	2	10MΔØ	MON	2.0%	.80*	TTL	5	10	0.0	5.5	40nΔ			220m		-55	125	2	B02244	M146c
16	JANM38510/00204BFB	2	10MΔØ	MON	2 0%	.80*	TTL	5	10	0.0	5 5	40nΔ			220m		-55	125	2	B02244	FP93
17	JANM38510/00204BFC	2	10MΔØ	MON	2.0%	.80*	TTL	5	10	0.0	5.5	40nΔ			220m		-55	125	2	B02244	FP93
18▼	JANM38510/00204CEA	2	10MΔØ	MON	2.0%	.80*	TTL	5	10	0.0	5 5	40nΔ			220m		-55	125	2	B02244	M146c
19	JANM38510/00204CEB	2	10MΔØ	MON	2.0%	.80*	TTL	5	10	0.0	5.5	40nΔ			220m		-55	125	2	B02244	M146c
20	JANM38510/00204CEC	2	10MΔØ	MON	2.0%	.80*	TTL	5	10	0.0	5.5	40nΔ			220m		-55	125	2	B02244	M146c
21	JANM38510/00204CFB	2	10MΔØ	MON	2.0%	.80*	TTL	5	10	0.0	5.5	40nΔ			220m		-55	125	2	B02244	FP93
22	JANM38510/00204CFC	2	10MΔØ	MON	2.0%	.80*	TTL	5	10	0.0	5.5	40nΔ			220m		-55	125	2	B02244	FP93
23#	FJJ191-7476	2	15M	MON	2.0%	.80*	TTL	5	10	0.0	5.0	40nΔ			80mt	1.0 Δ	0	70	2	B02239	M117q
24	ITT5472J	2	15MΔ%		2.0%	.80*	TTL	9	10	0.0	5.0	150nt Δ			10mt		-55	125	1	B02204	M157
25	ITT5473J	2	15MΔ%		2.0%	.80*	TTL	4	20	0.0	5.0	36n			20mt		-55	125	2	B02205	M157
26	ITT5476J	2	15MΔ%		2.0%	.80*	TTL	5	20	0.0	5.0	36n			20mt		-55	125	2	B02205a	M153a
27	ITT7472J	2	15MΔ%		2.0%	.80*	TTL	9	10	0.0	5.0	150nt Δ			10mt		0	70	1	B02204	M157
28	ITT7473J	2	15MΔ%		2.0%	.80*	TTL	4	20	0.0	5.0	36n			20mt		0	70	2	B02205	M157
29	ITT7476J	2	15MΔ%		2.0%	.80*	TTL	5	20	0.0	5.0	36n			20mt		0	70	2	B02205a	M153a
30#	M53273P	2	15M%	MON	2.0%	.80*	TTL	4	20	0.0	7.0	30n%			40mt	1.0 Δ	0	75	2	B0291	M105j
31#	M53276P	2	15M%	MON	2.0%	.80*	TTL	5	20	0.0	7.0	30n%			40mt	1.0 Δ	0	75	2	B0292	M153b
32	N7473A	2	15M%Δ	MON	2 0%	.80*	TTL	4	10	0.0	5.0	15n			49m%		0	70	2	B02184c	M105q
33	N7476B	2	15M%Δ	MON	2.0%	.80*	TTL	5	10	0.0	5.0	26n			416m%		0	70	2	B02184d	M117h
34	NC7473N	2	15M%	MON	2.0%	.80*	TTL	4	10	0.0	5.3	30n%			40mΔ	1.0	0	70	2		TO116
35	NC74107N	2	15M%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	50nΔ			40mΔ	1.0	0	70	2	B02211	TO116
36	S5476B	2	15M%Δ	MON	2.0%	.80*	TTL	5	10	0.0	5.0	26n			440m%		-55	125	2	B02184d	M117h
37#	SN6473N	2	15M%	MON	2.0%	.80*	TTL	4	20	0.0	7.0	50nΔ			40mt	1.0	-40	85	2	B0291	M75a
38#	SN6476N	2	15M%	MON	2.0%	.80*	TTL	5	20	0.0	7.0	50nΔ			40mt	1.0	-40	85	2	B0292	M117c
39#	SN64107N	2	15M%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	50nΔ			40mΔ	1.0	-40	85	2	B02211	M117
40	SW5472J	2	15M%	MON	2.0%	.80*	TTL	9	10	0.0	5.5	50nΔ			40mt	1.0	-55	125	1	B0288	M114
41	SW5473J	2	15M%	MON	2.0%	.80*	TTL	4	10	0.0	5.5	50nΔ			40mt	1.0	-55	125	2	B02130a	M114
42	SW5476J	2	15M%	MON	2.0%	.80*	TTL	5	10	0.0	5.5	50nΔ			40mΔ	1.0	-55	125	2	B0292	M153b
43	SW7472J	2	15M%	MON	2.0%	.80*	TTL	9	10	0.0	5.25	50nΔ			40mt	1.0	0	70	1	B0288	M114
44	SW7472N	2	15M%	MON	2.0%	.80*	TTL	9	10	0.0	5.25	50nΔ			40mt	1.0	0	70	1	B0288	M105n
45	SW7476N	2	15M%	MON	2.0%	.80*	TTL	2	10	0.0	5.25	50nΔ			40mΔ	1.0	0	70	2	B0292	M117
46#	T7473B1	2	15M%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	40nΔ			40mt	1.0	0	70	2	B0835	M126f
47#	T74107D1	2	15M%	MON	2.0%	.80	TTL	5	10	0.0	5.0	50nΔ			40mΔ	1.0	0	70	2	B02211	M117
48	US5472A	2	15MΔ%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	50nΔ	18n	8.0n			-55	125	1	B02195a	M105b
49	US5472J	2	15MΔ%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	50nΔ	18n	8.0n			-55	125	1	B02195	TO88
50	US5473A	2	15MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	50nΔ	18n	8.0n			-55	125	2	B02213	M105b
51	US5473J	2	15MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	50nΔ	18n	8.0n			-55	125	2	B02213	TO88
52	US5476A	2	15MΔ%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	50nΔ	18n	8.0n			-55	125	2	B02197	M117g
53	US7472A	2	15MΔ%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	50nΔ	18n	8.0n			0	70	1	B02195a	M105b
54	US7472J	2	15MΔ%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	50nΔ	18n	8.0n			0	70	1	B02195	TO88
55	US7473A	2	15MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	50nΔ	18n	8.0n			0	70	2	B02213	M105b
56	US7473J	2	15MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	50nΔ	18n	8.0n			0	70	2	B02213	TO88
57	US7476A	2	15MΔ%	MON	2.0%	.80*	TTL	5	10	0.0	5 0	50nΔ	18n	8.0n			0	70	2	B02197	M117g
58	US54107A	2	15MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	50nΔ	18n	8.0n			-55	125	2	B02213a	M105b
59	US74107A	2	15MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	50nΔ	18n	8.0n			0	70	2	B02213a	M105b
60▼	BL5473Y	2	20M%	MON	2.0%	.80*	TTL	4		0.0	5.0	40nΔ			100m%		-55	125	2	B02282	FC10
61▼	BL7473Y	2	20M%	MON	2.0%	.80*	TTL	4		0.0	5.0	40nΔ			100m%		0	70	2	B02282	FC10
62#	FJJ101	2	20MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	50nΔ	150n		70mt	400m	0	70	1	B022	TO116
63#	FLJ111-7472	2	20MΔ%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	40nΔ	4.0nΔ		100m§	1.0 Δ	0	70	1	B02142	M126p
64#	FLJ115-8472	2	20MΔ%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	40nΔ	4.0nΔ		100m§	1.0 Δ	-25	85	1	B02142	M126p
65#	FLJ121-7473	2	20M%Δ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ	4.0nΔ		200m§	1.0 Δ	0	70	2	B02143	M126p
66#	FLJ125-8473	2	20MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ	4.0nΔ		200m§	1.0 Δ	-25	85	2	B02143	M126p
67#	FLJ131-7476	2	20MΔ%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	40nΔ	4.0nΔ		200m§	1.0 Δ	0	70	2	B02241	M117w
68#	FLJ135-8476	2	20MΔ%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	40nΔ	4.0nΔ		200m§	1.0 Δ	-25	85	2	B02241	M117w
69♦#	FLJ271-74107	2	20M%Δ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			80m§	1.0 Δ	0	70	2	B02211	M126p
70♦#	FLJ275-84107	2	20MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			80m§	1.0 Δ	-25	85	2	B02211	M126p
71	I769	2	20M	PCB	2.0	.80	TTL	4	40	0.0	5.0	40n				1.0	0	70	16		CBØ
72▼	JANM38510/00206BAA	2	20MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	50nΔ			110m		-55	125	1	B02212	FP52d
73	JANM38510/00206BAB	2	20MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	50nΔ			110m		-55	125	1	B02212	FP52d
74	JANM38510/00206BAC	2	20MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	50nΔ			110m		-55	125	1	B02212	FP52d
75	JANM38510/00206BCA	2	20MΔØ	MON	2 0%	.80*	TTL	9	10	0.0	5 5	50nΔ			110m		-55	125	1	B02212	M314
76	JANM38510/00206BCB	2	20MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	50nΔ			110m		-55	125	1	B02212	M314
77	JANM38510/00206BCC	2	20MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	50nΔ			110m		-55	125	1	B02212	M314
78	JANM38510/00206BDB	2	20MΔØ	MON	2 0%	80*	TTL	9	10	0.0	5.5	50nΔ			110m		-55	125	1	B02212	FP83
79	JANM38510/00206BDC	2	20MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5 5	50nΔ			110m		-55	125	1	B02212	FP83

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

4. BINARY OR FLIP - FLOP

IN ORDER OF (1)FLIP-FLOP (2)LOG TYPE (3)LOG LEV'1' (4)LOG LEV'0' (5)MAX FREQ (6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF FLIP-FLOP	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1▼	JANM38510/00206CAA	2	20MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	50nΔ			110m		-55	125	1	B02212	FP52d
2	JANM38510/00206CAB	2	20MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	50nΔ			110m		-55	125	1	B02212	FP52d
3	JANM38510/00206CAC	2	20MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	50nΔ			110m		-55	125	1	B02212	FP52d
4	JANM38510/00206CCA	2	20MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	50nΔ			110m		-55	125	1	B02212	M314
5	JANM38510/00206CCB	2	20MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	50nΔ			110m		-55	125	1	B02212	M314
6	JANM38510/00206CCC	2	20MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	50nΔ			110m		-55	125	1	B02212	M314
7	JANM38510/00206CDB	2	20MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	50nΔ			110m		-55	125	1	B02212	FP83
8	JANM38510/00206CDC	2	20MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	50nΔ			110m		-55	125	1	B02212	FP83
9	JANM38510/02201BAA	2	20MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	37nΔ	12nØ		137m		-55	125	1	B02248	FP52d
10	JANM38510/02201BAB	2	20MΔØ	MON	2.0%	80*	TTL	9	10	0.0	5.5	37nΔ	12nØ		137m		-55	125	1	B02248	FP52d
11	JANM38510/02201BAC	2	20MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	37nΔ	12nØ		137m		-55	125	1	B02248	FP52d
12	JANM38510/02201BCB	2	20MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	37nΔ	12nØ		137m		-55	125	1	B02248	M314
13	JANM38510/02201BCC	2	20MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	37nΔ	12nØ		137m		-55	125	1	B02248	M314
14	JANM38510/02201BDB	2	20MΔØ	MON	2.0%	80*	TTL	9	10	0.0	5.5	37nΔ	12nØ		137m		-55	125	1	B02248	FP83
15	JANM38510/02201BDC	2	20MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	37nΔ	12nØ		137m		-55	125	1	B02248	FP83
16	JANM38510/02201CAA	2	20MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	37nΔ	12nØ		137m		-55	125	1	B02248	FP52d
17	JANM38510/02201CAB	2	20MΔØ	MON	2.0%	80*	TTL	9	10	0.0	5.5	37nΔ	12nØ		137m		-55	125	1	B02248	FP52d
18	JANM38510/02201CAC	2	20MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	37nΔ	12nØ		137m		-55	125	1	B02248	FP52d
19	JANM38510/02201CCB	2	20MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	37nΔ	12nØ		137m		-55	125	1	B02248	M314
20	JANM38510/02201CCC	2	20MΔØ	MON	2.0%	80*	TTL	9	10	0.0	5.5	37nΔ	12nØ		137m		-55	125	1	B02248	M314
21	JANM38510/02201CDB	2	20MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	37nΔ	12nØ		137m		-55	125	1	B02248	FP83
22	JANM38510/02201CDC	2	20MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	37nΔ	12nØ		137m		-55	125	1	B02248	FP83
23	JANM38510/02202BAA	2	20MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	42nΔ	12nØ		296m		-55	125	2	B02249	FP52d
24	JANM38510/02202BAB	2	20MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	42nΔ	12nØ		296m		-55	125	2	B02249	FP52d
25	JANM38510/02202BAC	2	20MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	42nΔ	12nØ		296m		-55	125	2	B02249	FP52d
26	JANM38510/02202BCB	2	20MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	42nΔ	12nØ		296m		-55	125	2	B02249	M314
27	JANM38510/02202BCC	2	20MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	42nΔ	12nØ		296m		-55	125	2	B02249	M314
28	JANM38510/02202BDB	2	20MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	42nΔ	12nØ		296m		-55	125	2	B02249	FP83
29	JANM38510/02202BDC	2	20MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	42nΔ	12nØ		296m		-55	125	2	B02249	FP83
30	JANM38510/02202CAA	2	20MΔØ	MON	2.0%	80*	TTL	4	10	0.0	5.5	42nΔ	12nØ		296m		-55	125	2	B02249	FP52d
31	JANM38510/02202CAB	2	20MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	42nΔ	12nØ		296m		-55	125	2	B02249	FP52d
32	JANM38510/02202CAC	2	20MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	42nΔ	12nØ		296m		-55	125	2	B02249	FP52d
33	JANM38510/02202CCB	2	20MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	42nΔ	12nØ		296m		-55	125	2	B02249	M314
34	JANM38510/02202CCC	2	20MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	42nΔ	12nØ		296m		-55	125	2	B02249	M314
35	JANM38510/02202CDB	2	20MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	42nΔ	12nØ		296m		-55	125	2	B02249	FP83
36	JANM38510/02202CDC	2	20MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	42nΔ	12nØ		296m		-55	125	2	B02249	FP83
37#	M53307P	2	20M%	MON	2.0%	.80*	TTL	4	20	0.0	7.0	20n%			50mt	1.0 Δ	0	75	2	B02211	M105j
38#	MIC5472J	2	20MΔ%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	40nΔ			50mt	400m	-55	125	1	B02221	TO116
39#	MIC5473J	2	20MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			100mt	400m	-55	125	2	B02205	TO116
40#	MIC5476J	2	20MΔ%	MON	2.0%	80*	TTL	5	10	0.0	5.0	40nΔ			100mt	400m	-55	125	2	B02205a	M153a
41#	MIC6472J	2	20MΔ%	MON	2.0%	.80*	TTL	9	10	0.0	5 0	40nΔ			50mt	400m	-40	85	1	B02221	TO116
42#	MIC6473J	2	20MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			100mt	400m	-40	85	2	B02205	TO116
43#	MIC6476J	2	20MΔ%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	40nΔ			100mt	400m	-40	85	2	B02205a	M153a
44#	MIC7472J	2	20MΔ%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	40nΔ			50mt	400m	0	75	1	B02221	TO116
45#	MIC7472N	2	20MΔ%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	40nΔ			50mt	400m	0	75	1	B02221	TO116
46#	MIC7473J	2	20MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			100mt	400m	0	75	2	B02205	TO116
47#	MIC7473N	2	20MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			100mt	400m	0	75	2	B02205	TO116
48#	MIC7476J	2	20MΔ%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	40nΔ			100mt	400m	0	75	2	B02205a	M153a
49#	MIC7476N	2	20MΔ%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	40nΔ			100mt	400m	0	75	2	B02205a	M153a
50#	MIC54107J	2	20MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			100mt	400m	-55	125	2	B02203a	TO116
51#	MIC64107J	2	20MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			100mt	400m	-40	85	2	B02203a	TO116
52#	MIC74107J	2	20MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			100mt	400m	0	75	2	B02203a	TO116
53#	MIC74107N	2	20MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			100mt	400m	0	75	2	B02203a	TO116
54	N74107A	2	20MΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ					0	70	2	B02251	TO116
55	NC7476N	2	20Mt Δ	MON	2.0%	80*	TTL		20	0.0	5.0	40nΔ				1.0 Δ	0	70	2	B0292	M117
56	S54107A	2	20MΔ	MON	2.0%	80*	TTL	4	10	0.0	5.0	40nΔ					-55	125	2	B02251	TO116
57#	SFC473EM	2	20M%Δ	MON	2.0%	.80*	TTL	8	10	0.0	5.0	40nΔ				1.0 Δ	-55	125	2	B02205	TO116
58#	SFC473ET	2	20M%Δ	MON	2.0%	.80*	TTL	8	10	0.0	5.0	40nΔ				1.0 Δ	-25	85	2	B02205	TO116
59#	SFC476E	2	20M%Δ	MON	2.0%	.80*	TTL	8	10	0.0	5 0	40nΔ				1.0 Δ	0	70	2	B0292	M117
60#	SFC476EM	2	20M%Δ	MON	2.0%	.80*	TTL	8	10	0.0	5.0	40nΔ				1.0 Δ	-55	125	2	B0292	M117
61#	SFC476ET	2	20M%Δ	MON	2.0%	.80*	TTL	8	10	0.0	5.0	40nΔ				1.0 Δ	-25	85	2	B0292	M117
62#	SFC4107E	2	20M%Δ	MON	2.0%	.80*	TTL	8	10	0.0	5.0	40nΔ				1.0 Δ	0	70	2	B02211	TO116
63#	SFC4107EM	2	20M%Δ	MON	2.0%	.80*	TTL	8	10	0.0	5.0	40nΔ				1.0 Δ	-55	125	2	B02211	TO116
64#	SFC4107ET	2	20M%Δ	MON	2.0%	.80*	TTL	8	10	0.0	5.0	40nΔ				1.0 Δ	-25	85	2	B02211	TO116
65♦	SN5473J	2	20M%Δ	MON	2.0%	.80*	TTL	8	40	0.0	5.0	40nΔ			50mt	1.0 Δ	-55	125	2	B02211	M157b
66♦	SN5473W	2	20M%Δ	MON	2.0%	.80*	TTL	8	40	0.0	5.0	40nΔ			50mt	1.0 Δ	-55	125	2	B02211	Δ004AA
67♦	SN5476J	2	20M%Δ	MON	2.0%	.80*	TTL	5	20	0.0	5.0	20n			100mt	1.0 Δ	-55	125	2	B0292	M157b
68	SN5476N	2	20M%Δ	MON	2.0%	.80*	TTL	5	20	0.0	5.0	20n			100mt	1.0 Δ	-55	125	2	B0292	M117
69♦	SN5476W	2	20M%Δ	MON	2.0%	.80*	TTL	5	20	0.0	5.0	20n			100mt	1.0 Δ	-55	125	2	B0292	M126e
70♦	SN7473J	2	20M%Δ	MON	2.0%	80*	TTL	8	40	0.0	5.0	40nΔ			50mt	1.0 Δ	0	70	2	B02211	M157b
71♦	SN7473N	2	20MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5 3	30n%			50mt	1.0	0	70	2	B0291	M126e
72	SN7473W	2	20M%Δ	MON	2.0%	.80*	TTL	8	40	0.0	5.0	40nΔ				1.0 Δ	0	70	2	B02211	TO84
73♦	SN7476J	2	20M%Δ	MON	2.0%	80*	TTL		20	0	5.0	40nΔ				1.0 Δ	0	70	2	B0292	M157b
74♦	SN7476N	2	20M%Δ	MON	2.0%	80*	TTL		20	0 0	5.0	40nΔ				1.0 Δ	0	70	2	B0292	Δ004AA

4. BINARY OR FLIP - FLOP

IN ORDER OF (1)FLIP-FLOP (2)LOG TYPE (3)LOG LEV'1' (4)LOG LEV'0' (5)MAX FREQ (6)TYPE No.

LINE No.	6 TYPE No	1 TYPE OF FLIP-FLOP	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	2 TYPE	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1♦	SN54107J	2	20M%	ΔMON	2.0%	.80*	TTL	8	40	0.0	5.0	40nΔ				1.0 Δ	-55	125	2	B02211	M157b
2	SN54107N	2	20M%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	40nΔ			200m%	1.0	-55	125	2	B02211	M126e
3	SN54110J	2	20MΔ	MON	2.0%	.80*	TTL	9	20	0.0	5.0	30nΔ			100m%	1.0 Δ	-55	125	1	B02261	M157b
4♦	SN54110W	2	20MΔ	MON	2.0%	.80*	TTL	9	20	0.0	5.0	30nΔ			100m%	1 0 Δ	0	70	1	B02261	Δ004AA
5♦	SN54111J	2	20MΔ	MON	2.0%	.80*	TTL	5	20	0.0	5.0	30nΔ			140m%	1.0 Δ	-55	125	2	B02262	M153d
6♦	SN54111W	2	20MΔ	MON	2.0%	.80*	TTL	5	20	0.0	5.0	30nΔ			140m%	1.0 Δ	-55	125	2	B02262	Δ004AG
7♦	SN74107J	2	20M%	ΔMON	2 0%	80*	TTL	8	40	0 0	5.0	40nΔ				1 0 Δ	0	70	2	B02211	M157b
8	SN74107N	2	20M%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	40nΔ			200m%	1.0	0	70	2	B02211	M126e
9	SN74110J	2	20MΔ	MON	2.0%	.80*	TTL	9	20	0.0	5.0	30nΔ			100m%	1.0 Δ	0	70	1	B02261	M157b
10	SN74110N	2	20MΔ	MON	2.0%	.80*	TTL	9	20	0.0	5.0	30nΔ			100m%	1.0 Δ	-55	125	1	B02261	M126e
11♦	SN74111J	2	20MΔ	MON	2.0%	.80*	TTL	5	20	0.0	5.0	30nΔ			140m%	1.0 Δ	0	70	2	B02262	M153d
12♦	SN74111N	2	20MΔ	MON	2.0%	.80*	TTL	5	20	0.0	5.0	30nΔ			140m%	1.0 Δ	0	70	2	B02262	M117x
13	SW54107J	2	20M%	MON	2.0%	.80*	TTL		10	0.0	5.5	40n				1.0	-55	125	2	B02213a	M114
14	SW74107J	2	20M%	MON	2.0%	.80*	TTL		10	0.0	5.25	40n				1 0	0	70	2	B02213a	M114
15	SW74107N	2	20M%	MON	2.0%	.80*	TTL		10	0.0	5.25	40n				1.0	0	70	2	B02213a	M105n
16#	T7476B1	2	20M%	MON	2.0%	.80*	TTL	4	20	0.0	5.0	40nΔ				1.0 Δ	0	70	2		M267
17#	T74107B1	2	20M%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			200m%	1.0 Δ	0	70	2		M267
18#	TL7472N	2	20Mt%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	40nΔ			105mt		0	70	1	B022	M126n
19#	TL7473N	2	20Mt%	MON	2 0%	.80*	TTL	4	10	0.0	5.0	40nΔ			210mt		0	70	2	B0291	M126n
20#	TL7476N	2	20Mt%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	40nΔ			210mt		0	70	2	B0292	M117u
21#	TL8472N	2	20Mt%	MON	2.0%	.80*	TTL	9	10	0 0	5.0	40nΔ			105mt		-25	85	1	B022	M126n
22#	TL8476N	2	20Mt%	MON	2.0%	80*	TTL	5	10		5.0	40nΔ			210mt		-25	85	2	B0292	M117u
23#	M5373P	2	23M*	MON	2 0%	.80*	TTL	4	20	0.0	7.0	25n%			40mt	1.0 Δ	0	75	2	B0291b	M105j
24#	M5376P	2	23M*	MON	2.0%	.80*	TTL	5	20	0.0	7.0	25n%			40mt	1.0 Δ	0	75	2	B0292	M153b
25#	FLJ351-74111	2	25M%	ΔMON	2.0%	.80*	TTL	5	20	0.0	5 0	30nΔ			205m§	1.0 Δ	0	70	2	B0292e	M117w
26#	FLJ355-84111	2	25M%	ΔMON	2.0%	.80*	TTL	5	20	0.0	5.0	30nΔ			205m§	1 0 Δ	-25	85	2	B0292e	M117w
27#	FLJ521-74115	2	25M%	ΔMON	2.0%	.80*	TTL	5	20	0.0	5.0	30nΔ			205m§	1.0 Δ	0	70	2	B0291d	M117w
28#	FLJ525-84115	2	25M%	ΔMON	2.0%	.80*	TTL	5	20	0.0	5.0	30nΔ			205m§	1.0 Δ	-25	85	2	B0291d	M117w
29#	MIC54109J	2	25M	MON	2 0%	.80*	TTL	5	20	0.0	5.0	15n%			140m%	1.0 Δ	-55	125	2	B02260	M153a
30#	MIC64109J	2	25M	MON	2 0%	.80*	TTL	5	20	0.0	5 0	15n%			140m%	1.0 Δ	-40	85	2	B02260	M153a
31#	MIC74109J	2	25M	MON	2.0%	.80*	TTL	5	20	0.0	5.0	15n%			140m%	1.0 Δ	0	75	2	B02260	M153a
32#	MIC74109N	2	25M	MON	2.0%	.80*	TTL	5	20	0.0	5 0	15n%			140m%	1.0 Δ	0	75	2	B02260	M153a
33	N74H72A	2	25MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	27nΔ					0	75	1	B02248	TO116
34	N74H72Q	2	25MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	27nΔ					0	75	1	B02248	TO88
35	N74H73A	2	25MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	27nΔ					0	75	2	B02249	TO116
36	N74H73Q	2	25MΔØ	MON	2.0%	.80*	TTL	3	10	0 0	5.0	27nΔ					0	75	2	B02249	TO88
37	N74H76B	2	25MΔØ	MON	2.0%	.80*	TTL	5	10	0.0	5.0	27nΔ					0	75	2	B0292	M256
38▼	RSN54H103H	2	25MΔØ	MON	2.0%	.80*	TTL	4		0.0	5 0	15nΔ			260m%		-55	125	2	B02284	FP69b
39	S54H72A	2	25MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	27nΔ					-55	125	1	B02248	TO116
40	S54H72Q	2	25MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	27nΔ					-55	125	1	B02248	TO88
41	S54H73A	2	25MΔØ	MON	2 0%	.80*	TTL	4	10	0.0	5.0	27nΔ					-55	125	2	B02249	TO116
42	S54H73Q	2	25MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	27nΔ					-55	125	2	B02249	TO88
43	S54H76B	2	25MΔØ	MON	2 0%	.80*	TTL	5	10	0.0	5.0	27nΔ					-55	125	2	B0292	M256
44▼	SN54H76W	2	25M	MON	2 0%	.80*	TTL	5		0.0	5.0	43n			80m%		-55	125	2	B0292	Δ004AG
45♦	SN54109J	2	25MΔ	MON	2.0%	.80*	TTL	5	20	0.0	5.0	28nΔ			150m%	1.0 Δ	-55	125	2	B02260	M153d
46♦	SN54109W	2	25MΔ	MON	2.0%	.80*	TTL	5	20	0.0	5.0	35nΔ			140m%	1.0 Δ	0	70	2	B02260	M117x
47♦	SN74109J	2	25MΔ	MON	2.0%	.80*	TTL	5	20	0.0	5.0	28nΔ			150m%	1.0 Δ	0	70	2	B02260	M153d
48♦	SN74109N	2	25MΔ	MON	2.0%	.80*	TTL	5	20	0.0	5.0	35nΔ			140m%	1.0 Δ	-55	125	2	B02260	M117
49#	TL74110N	2	25Mt%	MON	2.0%	80*	TTL	9	10	0.0	5.0	30nΔ			178mt		0	70	1	B02261	M126n
50#	TL74111N	2	25Mt%	MON	2.0%	.80*	TTL	5	20	0.0	5.0	30nΔ			215mt		0	70	2	B02262	M126n
51#	TL74115N	2	25Mt%	MON	2.0%	.80*	TTL	4	20	0.0	5.0	30nΔ			215mt		0	70	2	B02273	M117u
52	US5470A	2	25MΔ%	MON	2.0%	.80*	TTL	9	10	0.0	5 0	50nΔ	18n	8 0n			-55	125	1	B02212	M105b
53	US5470J	2	25MΔ%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	50nΔ	18n	8.0n			-55	125	1	B02212	TO88
54	US7470A	2	25MΔ%	MON	2 0%	.80*	TTL	9	10	0.0	5.0	50nΔ	18n	8.0n			0	70	1	B02212	M105b
55	US7470J	2	25MΔ%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	50nΔ	18n	8.0n			0	70	1	B02212	TO88
56#	MIC74H72J	2	30M%	ΔMON	2.0%	.80*	TTL	9	20	0.0	7.0	27nΔ					0	75	1	B0295	M157
57#	MIC74H73J	2	30M%	ΔMON	2.0%	.80*	TTL	4	20	0.0	7.0	27nΔ			80mΔ	1.0 Δ	0	75	2	B02155a	M157
58#	MIC74H76J	2	30M%	ΔMON	2.0%	.80*	TTL	5	10	0.0	5.0	20n			160mt	1.0 Δ	0	75		B0292	M157
59	NC74H71N	2	30MΔ%	MON	2.0%	.80*	TTL	10	20	0.0	7 0	27nΔ					0	70	1	B0297	M126
60	NC74H72N	2	30MΔ%	MON	2.0%	.80*	TTL	9	20	0.0	7.0	27nΔ					0	70	1	B0295	M126
61♦	SN54H71J	2	30MΔ%	MON	2.0%	80*	TTL	10	20	0	7	27nΔ					-55	125	1	B0297	M157b
62	SN54H71N	2	30MΔ%	MON	2 0%	80*	TTL	10	20	0	7	27nΔ					-55	125	1	B0297	M126
63♦	SN54H71W	2	30M%	ΔMON	2.0%	.80*	TTL	10	20	0.0	5.0	27nΔ					-55	125	1	B0297	Δ004AA
64♦	SN54H72J	2	30MΔ%	MON	2.0%	.80*	TTL	9	20	0	7	27nΔ					-55	125	1	B0295	M157b
65	SN54H72N	2	30MΔ%	MON	2.0%	.80*	TTL	9	20	0	7	27nΔ					-55	125	1	B0295	M126
66♦	SN54H72W	2	30M%	ΔMON	2.0%	.80*	TTL	9	20	0.0	5.0	27nΔ					-55	125	1	B0295	Δ004AA
67♦	SN54H73J	2	30MΔ%	MON	2.0%	.80*	TTL	4	20	0.0	7.0	19n%			80mΔ	1.0 Δ	-55	125	2	B02155a	M157b
68	SN54H73N	2	30MΔ%	MON	2 0%	.80*	TTL	4	20	0.0	7.0	19n%			80mΔ	1.0 Δ	-55	125	2	B02155a	M126
69♦	SN54H73W	2	30M%	ΔMON	2.0%	.80*	TTL	4	20	0.0	5.0	19n%			184mt	1.0 Δ	-55	125	2	B02155a	Δ004AA
70♦	SN54H76J	2	30M%	MON	2.0%	.80*	TTL	5	20	0.0	5.0	20n			160mt	1.0 Δ	-55	125	2	B0292	M157b
71	SN54H76N	2	30M%	MON	2 0%	.80*	TTL	5	20	0.0	5.0	20n			160mt	1.0 Δ	-55	125	2	B0292	M117
72♦	SN54H78J	2	30MΔ%	MON	2.0%	.80*	TTL	5	20	0.0	7.0	19n%			80mΔ	1.0 Δ	-55	125	2	B02155	M157b
73	SN54H78N	2	30MΔ%	MON	2.0%	.80*	TTL	5	20	0.0	7 0	19n%			80mΔ	1.0 Δ	-55	125	2	B02155	M126
74♦	SN54H78W	2	30M%	ΔMON	2.0%	.80*	TTL	5	20	0.0	5 0	19n%			184mt	1.0 Δ	-55	125	2	B02155	Δ004AA
75#	SN64L71N	2	30MΔ%	MON	2.0%	.80*	TTL	10	20	0.0	7.0	27nΔ			43mt	1.0	-40	85	1	B0297	M126
76#	SN64L72N	2	30MΔ%	MON	2.0%	.80*	TTL	9	20	0 0	7.0	27nΔ			43mt	1.0	-40	85	1	B0295	M126
77#	SN64L73N	2	30MΔ%	MON	2.0%	.80*	TTL	4	20	0.0	7.0	19n%			80mt	1.0 Δ	-40	85	2	B02155a	M126
78#	SN64L78N	2	30MΔ%	MON	2.0%	.80*	TTL	5	20	0.0	7.0	19n%			80mt	1.0 Δ	-40	85	2	B02155	M126
79♦	SN74H71J	2	30MΔ%	MON	2.0%	.80*	TTL	10	20	0	7	27nΔ					0	70	1	B0297	M157b
80♦	SN74H71N	2	30MΔ%	MON	2.0%	.80*	TTL	10	20	0	7	27nΔ					0	70	1	B0297	M126e
81	SN74H71W	2	30M%	ΔMON	2.0%	.80*	TTL	10	20	0.0	5.0	27nΔ					0	70	1	B0297	TO84
82♦	SN74H72J	2	30MΔ%	MON	2.0%	.80*	TTL	9	20	0	7	27nΔ					0	70	1	B0295	M157b
83♦	SN74H72N	2	30MΔ%	MON	2.0%	.80*	TTL	9	20	0	7	27nΔ					0	70	1	B0295	M126e
84	SN74H72W	2	30M%	ΔMON	2.0%	.80*	TTL	9	20	0.0	5.0	27nΔ					0	70	1	B0295	TO84
85♦	SN74H73J	2	30MΔ%	MON	2.0%	80*	TTL	4	20	0.0	7 0	27nΔ			80mΔ	1.0 Δ	0	70	2	B02155a	M157b
86♦	SN74H73N	2	30MΔ%	MON	2.0%	.80*	TTL	4	20	0.0	7.0	27nΔ			80mΔ	1.0 Δ	0	70	2	B02155a	M126e
87	SN74H73W	2	30M%	ΔMON	2.0%	.80*	TTL	4	20	0.0	5.0	27nΔ			184mt	1.0 Δ	0	70	2	B02155a	TO84
88♦	SN74H76J	2	30M%	MON	2.0%	.80*	TTL	5	20	0.0	5 0	20n			160mt	1.0 Δ	0	70	2	B0292	M157b
89♦	SN74H76N	2	30M%	MON	2 0%	.80*	TTL	5	10	0.0	5.0	20n			160mt	1.0 Δ	0	70		B0292	M126e
90♦	SN74H78J	2	30MΔ%	MON	2.0%	.80*	TTL	5	20	0.0	7.0	27nΔ			80mΔ	1.0 Δ	0	70	2	B02155	M157b
91♦	SN74H78N	2	30MΔ%	MON	2.0%	.80*	TTL	5	20	0.0	7.0	27nΔ			80mΔ	1.0 Δ	0	70	2	B02155	M126e
92	SN74H78W	2	30M%	ΔMON	2.0%	.80*	TTL	5	20	0.0	5.0	27nΔ			184mt	1.0 Δ	0	70	2	B02155	TO84
93	US54H71A	2	30MΔ%	MON	2.0%	.80*	TTL	10	20	0.0	5.0	27nΔ	10n	10n			-55	125	1	B0297	M105b
94	US54H71J	2	30MΔ%	MON	2.0%	.80*	TTL	10	20	0.0	5 0	27nΔ	10n	10n			-55	125	1	B0297	TO88
95	US54H72A	2	30MΔ%	MON	2.0%	.80*	TTL	9	20	0.0	5.0	27nΔ	10n	10n			-55	125	1	B0295	M105b
96	US54H72J	2	30MΔ%	MON	2.0%	.80*	TTL	9	20	0.0	5.0	27nΔ	10n	10n			-55	125	1	B0295	TO88
97	US54H76A	2	30MΔ%	MON	2.0%	.80*	TTL	5	20	0.0	5.0	27nΔ	10n	10n	160mt	1.0 Δ	-55	125	2	B0292	M105b
98	US54H78A	2	30MΔ%	MON	2.0%	80*	TTL	5	20	0.0	5 0	27nΔ	10n	10n	80m	1.0 Δ	-55	125	2	B02155	M105b
99	US54H78J	2	30MΔ%	MON	2.0%	.80*	TTL	5	20	0.0	5.0	27nΔ	10n	10n	80m	1.0 Δ	-55	125	2	B02155	TO88
100	US74H71A	2	30MΔ%	MON	2.0%	.80*	TTL	10	20	0.0	5.0	27nΔ	10n	10n			0	70	1	B0297	M105b
101	US74H71J	2	30MΔ%	MON	2 0%	.80*	TTL	10	20	0.0	5.0	27nΔ	10n	10n			0	70	1	B0297	TO88
102	US74H72A	2	30MΔ%	MON	2.0%	.80*	TTL	9	20	0.0	5.0	27nΔ	10n	10n			0	70	1	B0295	M105b
103	US74H72J	2	30MΔ%	MON	2.0%	.80*	TTL	9	20	0.0	5.0	27nΔ	10n	10n			0	70	1	B0295	TO88
104	US74H76A	2	30MΔ%	MON	2.0%	.80*	TTL	5	20	0.0	5.0	27nΔ	10n	10n	160mt	1.0 Δ	0	70	2	B0292	M105b
105	US74H78A	2	30MΔ%	MON	2.0%	.80*	TTL	5	20	0.0	5.0	27nΔ	10n	10n	80m	1.0 Δ	0	70	2	B02155	M105b
106	US74H78J	2	30MΔ%	MON	2.0%	.80*	TTL	5	20	0.0	5.0	27nΔ	10n	10n	80m	1.0 Δ	0	70	2	B02155	TO88
107#	TL7470N	2	35Mt%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	50nΔ			136mt		0	70	1	B022	M126n
108#	TL8470N	2	35Mt%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	50nΔ			136mt		-25	85	1	B022	M126n
109#	GJJ111	2	40M%		2.0%	.80*	TTL	9	10	0.0	5.0	27nΔ			84mt	400m	0	70	1	B0294c	M126n
110♦	SN54H101J	2	50M%	MON	2 0%	.80*	TTL	9	10	0.0	5.0	13n			100mt	1.0 Δ	-55	125	1	B02219	M157b

4. BINARY OR FLIP - FLOP

IN ORDER OF (1)FLIP-FLOP (2)LOG TYPE (3)LOG LEV'1' (4)LOG LEV'0' (5)MAX FREQ (6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF FLIP-FLOP	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	SN54H101N	2	50M%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	13n			100mt	1.0 Δ	-55	125	1	B02219	M126
2♦	SN54H101W	2	50M%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	13n			100mt	1.0 Δ	-55	125	1	B02219	Δ004AA
3♦	SN54H102J	2	50M%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	13n			100mt	1.0 Δ	-55	125	1	B02220	M157b
4	SN54H102N	2	50M%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	13n			100mt	1.0 Δ	-55	125	1	B02220	M126
5♦	SN54H102W	2	50M%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	13n			100mt	1.0 Δ	-55	125	1	B02220	Δ004AA
6♦	SN54H103J	2	50M%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	13n			200mt	1.0 Δ	-55	125	2	B02203	M157b
7	SN54H103N	2	50M%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	13n			200mt	1.0 Δ	-55	125	2	B02203	M126
8♦	SN54H103W	2	50M%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	13n			200mt	1.0 Δ	-55	125	2	B02203	Δ004AA
9♦	SN54H106J	2	50Mt	MON	2.0%	.80*	TTL	5	10	0.0	5.0	13n			200mt	1.0 Δ	-55	125	2	B02217	M157b
10	SN54H106N	2	50M%	MON	2.0%	.80*	TTL	5	10	0	5.0	13n			200mt	1.0 Δ	-55	125	2	B02217	M117
11▼	SN54H106W	2	50M%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	13n			200mt	1.0 Δ	-55	125	2	B02217	Δ004AA
12♦	SN54H108J	2	50M%	MON	2.0%	.80*	TTL	5	10	0	5.0	13n			200mt	1.0 Δ	-55	125	2	B02218	M157b
13	SN54H108N	2	50M%	MON	2.0%	.80*	TTL	5	10	0	5.0	13n			200mt	1.0 Δ	-55	125	2	B02218	M126
14♦	SN54H108W	2	50M%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	13n			200mt	1.0 Δ	-55	125	2	B02218	Δ004AA
15♦	SN74H101J	2	50M%	MON	2.0%	.80*	TTL	9	10	0	5.0	13n			100mt	1.0 Δ	0	70	1	B02219	M157b
16♦	SN74H101N	2	50M%	MON	2.0%	.80*	TTL	9	10	0	5.0	13n			100mt	1.0 Δ	0	70	1	B02219	M126e
17	SN74H101W	2	50M%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	13n			100mt	1.0 Δ	0	70	1	B02219	TO84
18♦	SN74H102J	2	50M%	MON	2.0%	.80*	TTL	9	10	0	5.0	13n			100mt	1.0 Δ	0	70	1	B02220	M157b
19♦	SN74H102N	2	50M%	MON	2.0%	.80*	TTL	9	10	0	5.0	13n			100mt	1.0 Δ	0	70	1	B02220	M126e
20	SN74H102W	2	50M%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	13n			100mt	1.0 Δ	0	70	1	B02220	TO84
21♦	SN74H103J	2	50M%	MON	2.0%	.80*	TTL	5	10	0	5.0	13n			200mt	1.0 Δ	0	70	2	B02203	M157b
22♦	SN74H103N	2	50M%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	13n			200mt	1.0 Δ	0	70	2	B02203	M126e
23	SN74H103W	2	50M%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	13n			200mt	1.0 Δ	0	70	2	B02203	TO84
24♦	SN74H106J	2	50M%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	13n			200mt	1.0 Δ	0	70	2	B02217	M157b
25♦	SN74H106N	2	50M%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	13n			200mt	1.0 Δ	0	70	2	B02217	M126e
26♦	SN74H108J	2	50M%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	13n			200mt	1.0 Δ	0	70	2	B02218	M157b
27♦	SN74H108N	2	50M%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	13n			200mt	1.0 Δ	0	70	2	B02218	M126e
28	SN74H108W	2	50M%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	13n			200mt	1.0 Δ	0	70	2	B02218	TO84
29	T54S73J	2	60MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	25nΔ			380m§		-55	125	2	B02274	M157c
30	T54S76J	2	60MΔØ	MON	2.0%	.80*	TTL	5	10	0.0	5.0	25nΔ			380m§		-55	125	2	B02275	M352
31	T54S78J	2	60MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	25nΔ			380m§		-55	125	1	B02277	M157c
32	T54S107J	2	60MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	25nΔ			380m§		-55	125	2	B02276	M157c
33	T74S73J	2	60MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	25nΔ			380m§		0	70	2	B02274	M157c
34	T74S76J	2	60MΔ%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	25nΔ			380m§		0	70	2	B02275	M352
35	T74S78J	2	60MΔØ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	25nΔ			380m§		0	70	1	B02277	M157c
36	T74S107J	2	60MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	25nΔ			380m§		0	70	2	B02276	M157c
37	US54H571A	2	60M%Δ	MON	2.0%	.80*	TTL		10	0.0	5.0	7n			55mt	1.0 Δ	-55	125	1	B02106a	M105b
38	US54H571J	2	60M%Δ	MON	2.0%	80*	TTL		10	0.0	5.0	7n			55mt	1.0 Δ	-55	125	1	B02106b	TO88
39	US54H572A	2	60M%Δ	MON	2.0%	80*	TTL		10	0.0	5.0	7n			55mt	1.0 Δ	-55	125	1	B0288	M105b
40	US54H572J	2	60M%Δ	MON	2.0%	.80*	TTL		10	0.0	5.0	7n			55mt	1.0 Δ	-55	125	1	B0288	TO88
41	US74H571A	2	60M%Δ	MON	2.0%	.80*	TTL		10	0.0	5.0	7n			55mt	1.0 Δ	0	70	1	B02106a	M105b
42	US74H571J	2	60M%Δ	MON	2.0%	.80*	TTL		10	0.0	5.0	7n			55mt	1.0 Δ	0	70	1	B02106b	TO88
43	US74H572A	2	60M%Δ	MON	2.0%	.80*	TTL		10	0.0	5.0	7n			55mt	1.0 Δ	0	70	1	B0288	M105b
44	US74H572J	2	60M%Δ	MON	2.0%	80*	TTL		10	0.0	5.0	7n			55mt	1.0 Δ	0	70	1	B0288	TO88
45♦	SN54S112J	2	80MΔ	MON	2.0%	.80*	TTL	5	20	0.0	5.0	5.0n			250m%	1.0 Δ	-55	125	2	B02257	M153d
46	SN54S112N	2	80MΔ	MON	2.0%	.80*	TTL	5	20	0.0	5.0	5.0n			250m%	1.0 Δ	-55	125	2	B02257	M117
47	SN54S112W	2	80MΔ	MON	2.0%	80*	TTL	5	20	0.0	5.0	5.0n			250m%	1.0 Δ	-55	125	2	B02257	Δ004AG
48	SN54S113J	2	80MΔ	MON	2.0%	.80*	TTL	4	20	0.0	5.0	5.0n			250m%	1.0 Δ	-55	125	2	B02258	M157b
49♦	SN54S113W	2	80MΔ	MON	2.0%	.80*	TTL	4	20	0.0	5.0	5.0n			250m%	1.0 Δ	-55	125	2	B02258	Δ004AA
50	SN54S114J	2	80MΔ	MON	2.0%	.80*	TTL	5	20	0.0	5.0	5.0n			250m%	1.0 Δ	-55	125	2	B02258a	M157b
51♦	SN54S114W	2	80MΔ	MON	2.0%	80*	TTL	5	20	0.0	5.0	5.0n			250m%	1.0 Δ	-55	125	2	B02258a	Δ004AA
52♦	SN74S112J	2	80MΔ	MON	2.0%	.80*	TTL	5	20	0.0	5.0	5.0n			250m%	1.0 Δ	0	70	2	B02257	M153d
53♦	SN74S112N	2	80MΔ	MON	2.0%	.80*	TTL	5	20	0.0	5.0	5.0n			250m%	1.0 Δ	0	70	2	B02257	M117x
54	SN74S112W	2	80MΔ	MON	2.0%	.80*	TTL	5	20	0.0	5.0	5.0n			250m%	1.0 Δ	0	70	2	B02257	Δ004AG
55	SN74S113J	2	80MΔ	MON	2.0%	.80*	TTL	4	20	0.0	5.0	5.0n			250m%	1.0 Δ	0	70	2	B02258	M157b
56♦	SN74S113N	2	80MΔ	MON	2.0%	.80*	TTL	4	20	0.0	5.0	5.0n			250m%	1.0 Δ	0	70	2	B02258	M126e
57	SN74S114J	2	80MΔ	MON	2.0%	80*	TTL	5	20	0.0	5.0	5.0n			250m%	1.0 Δ	0	70	2	B02258a	M157b
58♦	SN74S114N	2	80MΔ	MON	2.0%	.80*	TTL	5	20	0.0	5.0	5.0n			250m%	1.0 Δ	0	70	2	B02258a	M126e
59	T54S103J	2	110MΔ%	MON	2.0%	80*	TTL	4	10	0.0	5.0	20nΔ			380m§		-55	125	2	B02274	M157c
60	T54S106J	2	110MΔ%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	20nΔ			380m§		-55	125	2	B02275	M352
61	T54S107AJ	2	110MΔ%	MON	2.0%	80*	TTL	4	10	0.0	5.0	20nΔ			380m§		-55	125	2	B02276	M157c
62	T54S108J	2	110MΔ%	MON	2.0%	80*	TTL	9	10	0.0	5.0	20nΔ			380m§		-55	125	1	B02277	M157c
63	T74S103J	2	110MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	20nΔ			380m§		0	70	2	B02274	M157c
64	T74S106J	2	110MΔ%	MON	2.0%	.80*	TTL	5	10	0.0	5.0	20nΔ			380m§		0	70	2	B02275	M352
65	T74S107AJ	2	110MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	20nΔ			380m§		0	70	2	B02276	M157c
66	T74S108J	2	110MΔ%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	20nΔ			380m§		0	70	1	B02277	M157c
67	TF54S112F	2	125MΔ%	MON	2.0%	.80*	TTL	5	20	0.0	5.0	7.0nΔ			250m§		-55	125	2	B02257	FP101
68	TF54S112J	2	125MΔ%	MON	2.0%	.80*	TTL	5	20	0.0	5.0	7.0nΔ			250m§		-55	125	2	B02257	M352
69	TF54S113F	2	125MΔ%	MON	2.0%	80*	TTL	4	20	0.0	5.0	7.0nΔ			250m§		-55	125	2	B02258	TO86
70	TF54S113J	2	125MΔ%	MON	2.0%	.80*	TTL	4	20	0.0	5.0	7.0nΔ			250m§		-55	125	2	B02258	M157c
71	TF54S114F	2	125MΔ%	MON	2.0%	.80*	TTL	5	20	0.0	5.0	7.0nΔ			250m§		-55	125	2	B02258a	TO86
72	TF54S114J	2	125MΔ%	MON	2.0%	.80*	TTL	5	20	0.0	5.0	7.0nΔ			250m§		-55	125	2	B02258a	M157c
73	TF74S112F	2	125MΔ%	MON	2.0%	.80*	TTL	5	20	0.0	5.0	7.0nΔ			250m§		0	70	2	B02257	FP101
74	TF74S112J	2	125MΔ%	MON	2.0%	.80*	TTL	5	20	0.0	5.0	7.0nΔ			250m§		0	70	2	B02257	M352
75	TF74S113F	2	125MΔ%	MON	2.0%	80*	TTL	4	20	0.0	5.0	7.0nΔ			250m§		0	70	2	B02258	TO86
76	TF74S113J	2	125MΔ%	MON	2.0%	.80*	TTL	4	20	0.0	5.0	7.0nΔ			250m§		0	70	2	B02258	M157c
77	TF74S114F	2	125MΔ%	MON	2.0%	.80*	TTL	5	20	0.0	5.0	7.0nΔ			250m§		0	70	2	B02258a	TO86
78	TF74S114J	2	125MΔ%	MON	2.0%	.80*	TTL	5	20	0.0	5.0	7.0nΔ			250m§		0	70	2	B02258a	M157c
79	D4201	2	10M	PCB	2.0%	.95*	TTL	6	10	0	5	30n%	10nt	10n	275m	1.0	0	75			CBØ
80	M204	2	10M	PCB	2.4	.40	TTL	1	10			35n	15n	15n	200m	1.0	0	70	4		
81	M207	2	10M	PCB	2.4	.40	TTL	1	10			35n	15n	15n	240m	1.0	0	70	6		
82	MC5473F	2	15M%	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	30n			80mt		-55	125	2	B02196	TO86
83	MC5473L	2	15M%	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	30n			80mt		-55	125	2	B02196	TO116
84	MC7473F	2	15M%	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	30n			80mt		0	70	2	B02196	TO86
85	MC7473L,P%	2	15M%	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	30n			80mt		0	70	2	B02196	TO116
86	MC7476P	2	15M%	MON	2.4%	.40*†	TTL	5	10	0.0	5.0	30n			80mt		0	70	2	B02196	M278
87	MC54107F	2	15MΔ%	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	30n%			80mt		-55	125	2	B02196a	TO86
88	MC54107L	2	15M%	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	30n			80mt		-55	125	2	B02196a	TO116
89	MC74107F	2	15MΔ%	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	30n%			80mt		0	75	2	B02196a	TO86
90	MC74107L,P%	2	15M%	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	30n%			80mt		0	75	2	B02196a	TO116
91	MCB5473F	2	15M%	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	30n			80mt		-55	125	2	B02196c	TO86
92	MCBC5473	2	15M%	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	30n			80mt		-55	125	2	B02196c	FC3
93	MC5472F	2	20M%	MON	2.4%	.40*†	TTL	9	10	0.0	5.0	30n			40mt		-55	125	1	B02195	TO86
94	MC5472L	2	20M%	MON	2.4%	.40*†	TTL	9	10	0.0	5.0	30n			40mt		-55	125	1	B02195	TO116
95	MC7472F	2	20M%	MON	2.4%	.40*†	TTL	9	10	0.0	5.0	30n			40mt		0	70	1	B02195	TO86
96	MC7472L,P%	2	20M%	MON	2.4%	.40*†	TTL	9	10	0.0	5.0	30n			40mt		0	70	1	B02195a	TO116
97	MCB5472F	2	20M%	MON	2.4%	40*†	TTL	9	10	0.0	5.0	30n			40mt		-55	125	1	B02230	FP77
98	MCBC5472	2	20M%	MON	2.4	.40	TTL	9	10	0.0	5.0	30n			40mt		-55	125	1	B02230	FC2
99	MC3063F	2	30M%	MON	2.4%	.40t*	TTL	4	10	0.0	5.0	10n%			176mt		0	75	2	B02233	TO86
100	MC3063L,P%	2	30M%	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	10n%			176mt	700m	0	75	2	B02233	TO116
101	MC3163F	2	30M%	MON	2.4%	.40t*	TTL	4	10	0.0	5.0	10n%			176mt		-55	125	2	B02233	TO86
102	MC3163L	2	30M%	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	10n%			176mt	700m	-55	125	2	B02233	TO116
103	MCE54H73F	2	30MΔ	MON	2.4%	.40t*	TTL	4	10	0.0	5.0	15n%			140mt		-55	125	1	B02196b	TO86
104	MCE74H73F	2	30MΔ	MON	2.4%	.40t*	TTL	4	10	0.0	5.0	15n%			140mt		0	70	1	B02196b	TO86
105	MC5470L	2	35M%	MON	2.4%	.40*†	TTL	9	10	0.0	5.0	30n%			65mt		-55	125	1	B02212a	TO116
106	MC7470L,P%	2	35M%	MON	2.4%	.40*†	TTL	9	10	0.0	5.0	30n%			65mt		0	70	1	B02212a	TO116
107	MC3161F	2	50Mt%	MON	2 4%	.40*†	TTL	4	10	0.0	5.0	12n			100m		-55	125	2	B02173	TO86
108	MC3161L	2	50Mt%	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	12n			100mt		-55	125	2	B02173	TO116
109	MC3162F	2	50Mt%	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	12n			100m		-55	125	2	B02173a	TO86
110	MC3162L	2	50Mt%	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	12n			100mt		-55	125	2	B02173a	TO116

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

4. BINARY OR FLIP - FLOP

IN ORDER OF (1)FLIP-FLOP (2)LOG TYPE (3)LOG LEV'1' (4)LOG LEV'0' (5)MAX FREQ (6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF FLIP-FLOP	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	MCE54H72F	2	50MΔ	MON	2.4%	.40†*	TTL	9	10	0.0	5.0	16n%			70m†		-55	125	1	B02235	TO86
2	MCE74H72F	2	50MΔ	MON	2.4%	.40†*	TTL	9	10	0.0	5.0	16n%			70m†		0	70	1	B02235	TO86
3	MCE54103F	2	50M†%	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	12n%			100m†		-55	125	2	B02270	TO86
4	MCE74103F	2	50M†%	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	12n%			100m†		0	70	2	B02270	TO86
5	MC423F	2	45M%	MON	2.4%	.45*†	TTL	4	13	0.0	5.0	20n%	4.0n	2.5n	110m†		0	75	2	B02186	TO86
6	MC423L,P%	2	45M%	MON	2.4%	.45*†	TTL	4	13	0.0	5.0	20n%	4.0n	2.5n	110m†		0	75	2	B02186	TO116
7	MC424F	2	45M%	MON	2.4%	.45*†	TTL	5†	13	0.0	5.0	20n%	4.0n	2.5n	110m†		0	75	2	B02186a	TO86
8	MC424L,P%	2	45M%	MON	2.4%	.45*†	TTL	5†	13	0.0	5.0	20n%	4.0n	2.5n	110m†		0	75	2	B02186a	TO116
9	MC473F	2	45M%	MON	2.4%	.45*†	TTL	4	7	0.0	5.0	20n	4.0n	2.5n	110m†		0	75	2	B02186	TO86
10	MC473L,P%	2	45M%	MON	2.4%	.45*†	TTL	4	7	0.0	5.0	20n	4.0n	2.5n	110m†		0	75	2	B02186	TO116
11	MC474F	2	45M%	MON	2.4%	.45*†	TTL	5†	7	0.0	5.0	20n	4.0n	2.5n	110m†		0	75	2	B02186a	TO86
12	MC474L,P%	2	45M%	MON	2.4%	.45*†	TTL	5†	7	0.0	5.0	20n	4.0n	2.5n	110m†		0	75	2	B02186a	TO116
13	MC523F	2	45M%	MON	2.4%	.45*†	TTL	4	16	0.0	5.0	20n	4.0n	2.5n	110m†		-55	125	2	B02186	TO86
14	MC523L	2	45M%	MON	2.4%	.45†*	TTL	4	16	0.0	5.0	20n	4.0n	2.5n	110m†		-55	125	2	B02186	TO116
15	MC524F	2	45M%	MON	2.4%	.45*†	TTL	5†	16	0.0	5.0	20n	4.0n	2.5n	110m†		-55	125	2	B02186a	TO86
16	MC524L	2	45M%	MON	2.4%	.45†*	TTL	5†	16	0.0	5.0	20n	4.0n	2.5n	110m†		-55	125	2	B02186a	TO116
17	MC573F	2	45M%	MON	2.4%	.45*†	TTL	4	8	0.0	5.0	20n	4.0n	2.5n	110m†		-55	125	2	B02186	TO86
18	MC573L	2	45M%	MON	2.4%	.45†*	TTL	4	8	0.0	5.0	20n	4.0n	2.5n	110m†		-55	125	2	B02186	TO116
19	MC574F	2	45M%	MON	2.4%	.45*†	TTL	5†	8	0.0	5.0	20n	4.0n	2.5n	110m†		-55	125	2	B02186a	TO86
20	MC574L	2	45M%	MON	2.4%	.45†*	TTL	5†	8	0.0	5.0	20n	4.0n	2.5n	110m†		-55	125	2	B02186a	TO116
21	MC2023F	2	70M%	MON	2.4%	.45*†	TTL	4	9	0.0	5.0	15nΔ	4.0n	2.5n	110m†		0	75	2	B02186	TO86
22	MC2023L,P%	2	70M%	MON	2.4%	.45*†	TTL	4	9	0.0	5.0	15nΔ	4.0n	2.5n	110m†		0	75	2	B02186	TO116
23	MC2024F	2	70M%	MON	2.4%	.45*†	TTL	5	9	0.0	5.0	15nΔ	4.0n	2.5n	110m†		0	75	2	B02186a	TO86
24	MC2024L,P%	2	70M%	MON	2.4%	.45*†	TTL	5	9	0.0	5.0	15nΔ	4.0n	2.5n	110m†		0	75	2	B02186a	TO116
25	MC2073F	2	70M%	MON	2.4%	.45*†	TTL	4	5	0.0	5.0	15nΔ	4.0n	2.5n	110m†		0	75	2	B02186	TO86
26	MC2073L,P%	2	70M%	MON	2.4%	.45*†	TTL	4	5	0.0	5.0	15nΔ	4.0n	2.5n	110m†		0	75	2	B02186	TO116
27	MC2074F	2	70M%	MON	2.4%	.45*†	TTL	5	5	0.0	5.0	15nΔ	4.0n	2.5n	110m†		0	75	2	B02186a	TO86
28	MC2074L,P%	2	70M%	MON	2.4%	.45*†	TTL	5	5	0.0	5.0	15nΔ	4.0n	2.5n	110m†		0	75	2	B02186a	TO116
29	MC2123F	2	70M%	MON	2.4%	.45*†	TTL	4	11	0.0	5.0	15nΔ	4.0n	2.5n	110m†		-55	125	2	B02186	TO86
30	MC2123L	2	70M%	MON	2.4%	.45*†	TTL	4	11	0.0	5.0	15nΔ	4.0n	2.5n	110m†		-55	125	2	B02186	TO116
31	MC2124F	2	70M%	MON	2.4%	.45*†	TTL	5	11	0.0	5.0	15nΔ	4.0n	2.5n	110m†		-55	125	2	B02186a	TO86
32	MC2124L	2	70M%	MON	2.4%	.45*†	TTL	5	11	0.0	5.0	15nΔ	4.0n	2.5n	110m†		-55	125	2	B02186a	TO116
33	MC2173F	2	70M%	MON	2.4%	.45*†	TTL	4	6	0.0	5.0	15nΔ	4.0n	2.5n	110m†		-55	125	2	B02186	TO86
34	MC2173L	2	70M%	MON	2.4%	.45*†	TTL	4	6	0.0	5.0	15nΔ	4.0n	2.5n	110m†		-55	125	2	B02186	TO116
35	MC2174F	2	70M%	MON	2.4%	.45*†	TTL	5	6	0.0	5.0	15nΔ	4.0n	2.5n	110m†		-55	125	2	B02186a	TO86
36	MC2174L	2	70M%	MON	2.4%	.45*†	TTL	5	6	0.0	5.0	15nΔ	4.0n	2.5n	110m†		-55	125	2	B02186a	TO116
37	MC3061F	2	50M†%	MON	2.5%	.40*†	TTL	4	10	0.0	5.0	12n			100m		0	75	2	B02173	TO86
38	MC3061L,P%	2	50M†%	MON	2.5%	.40*†	TTL	4	10	0.0	5.0	12n			100m†		0	75	2	B02173	TO116
39	MC3062F	2	50M†%	MON	2.5%	.40*†	TTL	4	10	0.0	5.0	12n			100m		0	75	2	B02173a	TO86
40	MC3062L,P%	2	50M†%	MON	2.5%	.40*†	TTL	4	10	0.0	5.0	12n			100m†		0	75	2	B02173a	TO116
41	N8821J	2	25M†%	MON	2.6%	.40*†	TTL	5	20	0	5	20n%		50n	72mΔ	600m	0	75	2	B02184	TO88
42	N8822A	2	25M†%	MON	2.6%	.40*†	TTL	5	20	0	5	20n%		50n	72mΔ	600m	0	75	2	B02184a	TO116
43	N8822F	2	25M%	MON	2.6%	.40†*	TTL	5	20	0.0	5.0	20n%					0	75	2	B02184a	M157
44	N8822J	2	25M†%	MON	2.6%	.40*†	TTL	5	20	0	5	20n%		50n	72mΔ	600m	0	75	2	B02184a	TO88
45	N8824B	2	25M†%	MON	2.6%	.40*†	TTL	5	20	0	5	20n%		50n	72mΔ	600m	0	75	2	B02184b	M117a
46	N8825A	2	25M†%	MON	2.6%	.40*†	TTL	9	20	0	5	50n%Δ		50n	132m	600m	0	75	1	B0273	TO116
47	N8825F	2	25M%	MON	2.6%	.40†*	TTL	9	20	0.0	5.0	50n%					0	75	1	B0273	M157
48	N8825J	2	25M†%	MON	2.6%	.40*†	TTL	9	20	0	5	50n%Δ		50n	132m	600m	0	75	1	B0273	TO88
49	N8829A	2	25M†%	MON	2.6%	.40*†	TTL	9	20	0	5	50n%Δ		50n	132m	600m	0	75	1	B02134	TO116
50	N8829F	2	25M%	MON	2.6%	.40†*	TTL	9	20	0.0	5.0	50n%					0	75	1	B02134	M157
51	N8829J	2	25M†%	MON	2.6%	.40*†	TTL	9	20	0	5	50n%Δ		50n	132m	600m	0	75	1	B02134	TO88
52	S8821J	2	25M†%	MON	2.6%	.40*†	TTL	5	20	0	5	20n%		50n	72mΔ	600m	-55	125	2	B02184	TO88
53	S8822A	2	25M†%	MON	2.6%	.40*†	TTL	5	20	0	5	20n%		50n	72mΔ	600m	-55	125	2	B02184a	TO116
54	S8822F	2	25M%	MON	2.6%	.40†*	TTL	5	20	0 0	5 0	20n%					-55	125	2	B02184a	M157
55	S8822J	2	25M†%	MON	2.6%	.40*†	TTL	5	20	0	5	20n%		50n	72mΔ	600m	-55	125	2	B02184a	TO88
56	S8824B	2	25M†%	MON	2.6%	.40*†	TTL	5	20	0	5	20n%		50n	72mΔ	600m	-55	125	2	B02184b	M117a
57	S8825A	2	25M†%	MON	2.6%	.40*†	TTL	9	20	0	5	50n%Δ		50n	132m	600m	-55	125	1	B0273	TO116
58	S8825F	2	25M%	MON	2.6%	.40†*	TTL	9	20	0.0	5.0	50n%					-55	125	1	B0273	M157
59	S8825J	2	25M†%	MON	2.6%	.40*†	TTL	9	20	0	5	50n%Δ		50n	132m	600m	-55	125	1	B0273	TO88
60	S8829A	2	25M†%	MON	2.6%	.40*†	TTL	9	20	0	5	50n%Δ		50n	132m	600m	-55	125	1	B02134	TO116
61	S8829F	2	25M%	MON	2.6%	.40†*	TTL	4	20	0.0	5.0	50n%					-55	125	1	B02108	M157
62	S8829J	2	25M†%	MON	2.6%	.40*†	TTL	9	20	0	5	50n%Δ		50n	132m	600m	-55	125	1	B02134	TO88
63	N8826A	2	30M†%	MON	2.6%	.40*†	TTL	4	10	0	5	28n%Δ		50n	62m	600m	0	75	2	B02108	TO116
64	N8826F	2	30M%†	MON	2.6%	.40†*	TTL	4	10	0.0	5.0	28n%Δ		50n	62m	600m	0	75	2	B02108	M157
65	N8826J	2	30M†%	MON	2.6%	.40*†	TTL	4	10	0	5	28n%Δ		50n	62m	600m	0	75	2	B02108	TO88
66	N8827A	2	30M†%	MON	2.6%	.40*†	TTL	5	10	0	5	2.0n		50n	64m	600m	0	75	2	B02108a	TO116
67	N8827F	2	30M†%	MON	2 6%	.40†*	TTL	5	10	0 0	5.0	2.0n		50n	64m	600m	0	75	2	B02108	M157
68	N8827J	2	30M†%	MON	2.6%	.40*†	TTL	5	10	0	5	2.0n		50n	64m	600m	0	75	2	B02108a	TO88
69	S8826A	2	30M†%	MON	2.6%	.40*†	TTL	4	10	0	5	28n%Δ		50n	62m	600m	-55	125	2	B02108	TO116
70	S8826F	2	30M%†	MON	2.6%	.40†*	TTL	4	10	0.0	5.0	28n%Δ		50n	62m	600m	-55	125	2	B02108	M157
71	S8826J	2	30M†%	MON	2.6%	.40*†	TTL	4	10	0	5	28n%Δ		50n	62m	600m	-55	125	2	B02108	TO88
72	S8827A	2	30M†%	MON	2.6%	.40*†	TTL	5	10	0	5	2.0n		50n	64m	600m	-55	125	2	B02108a	TO116
73	S8827F	2	30M†%	MON	2.6%	.40†*	TTL	5	10	0.0	5.0	2.0n		50n	64m	600m	-55	125	2	B02108	M157
74	S8827J	2	30M†%	MON	2.6%	.40*†	TTL	5	10	0	5	2.0n		50n	64m	600m	-55	125	2	B02108a	TO88
75	N8H20Q	2	80M%†	MON	2.6%	.40†*	TTL	4	30	0.0	5.0	9.0n%		50n	90mΔ	600m	0	75	2	B0292b	TO88
76	N8H21A	2	80M†%	MON	2.6%	.40*†	TTL	5	30	0	5	9.0n%		50n	90mΔ	600m	0	75	2	B0292c	TO116
77	N8H21F	2	80M%†	MON	2.6%	.40†*	TTL	5	30	0.0	5.0	9.0n%		50n	90mΔ	600m	0	75	2	B0292c	M157
78	N8H21Q	2	80M%†	MON	2.6%	.40†*	TTL	5	30	0.0	5.0	9.0n%		50n	90mΔ	600m	0	75	2	B0292c	TO88
79	N8H22B	2	80M†%	MON	2.6%	.40*†	TTL	5	30	0	5	9.0n%		50n	90mΔ	600m	0	75	2	B0292d	M117a
80	N8H22E	2	80M%†	MON	2.6%	.40†*	TTL	5	30	0.0	5.0	9.0n%		50n	90mΔ	600m	0	75	2	B0292d	M153a
81	S8H20Q	2	80M%†	MON	2.6%	.40†*	TTL	4	30	0.0	5.0	90n%		50n	90mΔ	600m	-55	125	2	B0292b	TO88
82	S8H21A	2	80M†%	MON	2.6%	.40*†	TTL	5	30	0	5	9.0n%		50n	90mΔ	600m	-55	125	2	B0292c	TO116
83	S8H21F	2	80M%†	MON	2.6%	.40†*	TTL	5	30	0.0	5.0	90n%		50n	90mΔ	600m	-55	125	2	B0292c	M157
84	S8H21Q	2	80M%†	MON	2.6%	.40†*	TTL	5	30	0.0	5.0	90n%		50n	90mΔ	600m	-55	125	2	B0292c	TO88
85	S8H22B	2	80M†%	MON	2.6%	.40*†	TTL	5	30	0	5	9.0n%		50n	90mΔ	600m	-55	125	2	B0292d	M117a
86	S8H22E	2	80M%†	MON	2.6%	.40†*	TTL	5	30	0.0	5.0	90n%		50n	90mΔ	600m	-55	125	2	B0292d	M153a
87	54R112	2	70M		2.7	.40	TTL		10	0.0	5.0	11n			250m		-55	125			
88	54R113	2	70M		2.8	.40	TTL		10	0.0	5.0	11n			250m		-55	125			
89	54R114	2	70M		2.8	.40	TTL		10	0.0	5.0	11n			250m		-55	125			
90	74R112	2	70M		2.8	.40	TTL		10	0.0	5.0	11n			250m		0	75			
91	74R113	2	70M		2.8	.40	TTL		10	0.0	5.0	11n			250m		0	75			
92	74R114	2	70M		2.8	.40	TTL		10	0.0	5.0	11n			250m		0	75			
93	RF100BL	2	35M†Ø	MON	3.0%	.40*	TTL	4	11	0.0	5.0	20nΔ			110m†	700m	-55	125	2	B02264	FC4
94	RF101BL	2	35M†Ø	MON	3.0%	.40*	TTL	4	6	0.0	5.0	20nΔ			110m†	700m	-55	125	2	B02264	FC4
95	RF102BL	2	35M†Ø	MON	3.0%	.40*	TTL	4	9	0.0	5.0	20nΔ			110m†	700m	0	75	2	B02264	FC4
96	RF103BL	2	35M†Ø	MON	3.0%	.40*	TTL	4	5	0.0	5.0	20nΔ			110m†	700m	0	75	2	B02264	FC4
97	RF110BL	2	35M†Ø	MON	3.0%	40*	TTL	8	11	0.0	5.0	20nΔ			110m†	700m	-55	125	2	B02264a	FC4
98	RF111BL	2	35M†Ø	MON	3.0%	.40*	TTL	8	6	0.0	5.0	20nΔ			110m†	700m	-55	125	2	B02264a	FC4
99	RF112BL	2	35M†Ø	MON	3.0%	.40*	TTL	8	9	0.0	5.0	20nΔ			110m†	700m	0	75	2	B02264a	FC4
100	RF113BL	2	35M†Ø	MON	3.0%	.40*	TTL	8	5	0.0	5.0	20nΔ			110m†	700m	0	75	2	B02264a	FC4
101	RF120BL	2	50M†Ø	MON	3.0%	40*	TTL	4	11	0.0	5.0	15nΔ			110m†	700m	-55	125	2	B02264	FC4
102	RF121BL	2	50M†Ø	MON	3.0%	.40*	TTL	4	6	0.0	5.0	15nΔ			110m†	700m	-55	125	2	B02264	FC4
103	RF122BL	2	50M†Ø	MON	3.0%	.40*	TTL	4	9	0.0	5.0	15nΔ			110m†	700m	0	75	2	B02264	FC4
104	RF123BL	2	50M†Ø	MON	3.0%	40*	TTL	4	5	0.0	5.0	15nΔ			110m†	700m	0	75	2	B02264	FC4
105	RF130BL	2	50M†Ø	MON	3.0%	.40*	TTL	8	11	0.0	5.0	15nΔ			110m†	700m	-55	125	2	B02264a	FC4
106	RF131BL	2	50M†Ø	MON	3.0%	.40*	TTL	8	6	0.0	5.0	15nΔ			110m†	700m	-55	125	2	B02264a	FC4
107	RF132BL	2	50M†Ø	MON	3.0%	.40*	TTL	8	9	0.0	5.0	15nΔ			110m†	700m	0	75	2	B02264a	FC4
108	RF133BL	2	50M†Ø	MON	3.0%	.40*	TTL	8	5	0.0	5.0	15nΔ			110m†	700m	0	75	2	B02264a	FC4
109	RF200BL	2	50M†Ø	MON	3.0%	40*	TTL	10	11†	0.0	5 0	15nΔ			50m†	900m	-55	125	1	B02265	FC5
110	RF201BL	2	50M†Ø	MON	3.0%	40*	TTL	10	6†	0.0	5.0	15nΔ			50m†	900m	-55	125	1	B02265	FC5

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

4. BINARY OR FLIP - FLOP

IN ORDER OF (1)FLIP-FLOP (2)LOG TYPE (3)LOG LEV'1' (4)LOG LEV'0' (5)MAX FREQ (6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF FLIP-FLOP	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	RF202BL	2	50Mt Ø	MON	3.0%	.40*	TTL	10	9†	0.0	5.0	15nΔ			50mt	900m	0	75	1	B02265	FC5
2	RF203BL	2	50Mt Ø	MON	3.0%	.40*	TTL	10	5†	0.0	5.0	15nΔ			50mt	900m	0	75	1	B02265	FC5
3	RF3202D	2	90Mt	MON	3.0%	.45*†	TTL	8	9†	0.0	5.0	12nΔ	3.0n	2.5n	500mt	1.1	0	75	1	B02231	M105m
4	RF3202K	2	90Mt	MON	3.0%	.45*†	TTL	8	9†	0.0	5.0	12nΔ	3.0n	2.5n	50mt	1.1	0	75	1	B02231	FP21b
5	RF3212D	2	90Mt	MON	3.0%	.45*†	TTL	8	9†	0.0	5.0	12nΔ	3.0n	2.5n	60mt	1.1	0	75	1	B02232	M105m
6	RF3212K	2	90Mt	MON	3.0%	.45*†	TTL	8	9†	0.0	5.0	12nΔ	3.0n	2.5n	60mt	1.1	0	75	1	B02232	FP21b
7	RF252D	2	30Mt Ø	MON	3.1%	.40*	TTL	10	9†	0.0	5.0	25nΔ	6.0n	4.0n	50mt	900m	0	75	1	B02107	M105ar
8	RF252K	2	30Mt Ø	MON	3.1%	.40*	TTL	10	9†	0.0	5.0	25nΔ	6.0n	4.0n	50mt	900m	0	75	1	B02107	FP21b
9	RF253D	2	30Mt Ø	MON	3.1%	.40*	TTL	10	5†	0.0	5.0	25nΔ	6.0n	4.0n	50mt	900m	0	75	1	B02107	M105ar
10	RF253K	2	30Mt Ø	MON	3.1%	.40*	TTL	10	5†	0.0	5.0	25nΔ	6.0n	4.0n	50mt	900m	0	75	1	B02107	FP21b
11	RF3200D	2	90Mt	MON	3.1%	.40*†	TTL	8	11†	0.0	5.0	12nΔ	3.0n	2.5n	50mt	1.1	-55	125	1	B02231	M105m
12	RF3200K	2	90Mt	MON	3.1%	.40*†	TTL	8	11†	0.0	5.0	12nΔ	3.0n	2.5n	50mt	1.1	-55	125	1	B02231	FP21b
13	RF3210D	2	90Mt	MON	3.1%	.40*†	TTL	8	11†	0.0	5.0	12nΔ	3.0n	2.5n	60mt	1.1	-55	125	1	B02232	M105m
14	RF3210K	2	90Mt	MON	3.1%	.40*†	TTL	8	11†	0.0	5.0	12nΔ	3.0n	2.5n	60mt	1.1	-55	125	1	B02232	FP21b
15	RF250D	2	30Mt Ø	MON	3.2%	.40*	TTL	10	11†	0.0	5.0	25nΔ	6.0n	4.0n	50mt	900m	-55	125	1	B02107	M105ar
16	RF250K	2	30Mt Ø	MON	3.2%	.40*	TTL	10	11†	0.0	5.0	25nΔ	6.0n	4.0n	50mt	900m	-55	125	1	B02107	FP21b
17	RF251D	2	30Mt Ø	MON	3.2%	.40*	TTL	10	6†	0.0	5.0	25nΔ	6.0n	4.0n	50mt	900m	-55	125	1	B02107	M105ar
18	RF251K	2	30Mt Ø	MON	3.2%	.40*	TTL	10	6†	0.0	5.0	25nΔ	6.0n	4.0n	50mt	900m	-55	125	1	B02107	FP21b
19	MC415F	2		MON	3.3	.26	TTL	10	12	0.0	5.0				40mt	900m	0	75	1	B02105	TO86
20	MC415L,P%	2		MON	3.3	.26	TTL	10	12	0.0	5.0				40mt	900m	0	75	1	B02105	TO116
21	MC416F	2		MON	3.3	.26	TTL	10	12	0.0	5.0				50mt	900m	0	75	1	B02106	TO86
22	MC416L,P%	2		MON	3.3	.26	TTL	10	12	0.0	5.0				50mt	900m	0	75	1	B02106	TO116
23	MC465F	2		MON	3.3	.26	TTL	10	6	0.0	5.0				40mt	900m	0	75	1	B02105	TO86
24	MC465L,P%	2		MON	3.3	.26	TTL	10	6	0.0	5.0				40mt	900m	0	75	1	B02105	TO116
25	MC466F	2		MON	3.3	.26	TTL	10	6	0.0	5.0				50mt	900m	0	75	1	B02106	TO86
26	MC466L,P%	2		MON	3.3	.26	TTL	10	6	0.0	5.0				50mt	900m	0	75	1	B02106	TO116
27	MC515F	2		MON	3.3	.26	TTL	10	15	0.0	5.0				40mt	900m	-55	125	1	B02105	TO86
28	MC516F	2		MON	3.3	.26	TTL	10	15	0.0	5.0				50mt	900m	-55	125	1	B02106	TO86
29	MC516L	2		MON	3.3	.26	TTL	10	15	0	8				50mt	900m	-55	125	1	B02106	TO116
30	MC565F	2		MON	3.3	.26	TTL	10	7	0.0	5.0				40mt	900m	-55	125	1	B02105	TO86
31	MC565L	2		MON	3.3	.26	TTL	10	7	0	8				40mt	900m	-55	125	1	B02105	TO116
32	MC566F	2		MON	3.3	.26	TTL	10	7	0.0	5.0				50mt	900m	-55	125	1	B02106	TO86
33	MC566L	2		MON	3.3	.26	TTL	10	7	0	8				50mt	900m	-55	125	1	B02106	TO116
34	SNF50J	2	20M	MON	3.3	.26	TTL	10	15	0.0	5.0	25nΔ	5.0n	8.0n	30m	900m	-55	125	1	B0274	M157b
35	SNF50W	2	20M	MON	3.3	.26	TTL	10	15	0.0	5.0	25nΔ	5.0n	8.0n	40m	900m	-55	125	1	B0274	Δ004AF
36	SNF51J	2	20M	MON	3.3	.26	TTL	10	7	0.0	5.0	25nΔ	5.0n	8.0n	40m	900m	-55	125	1	B0274	M157b
37	SNF51W	2	20M	MON	3.3	.26	TTL	10	7	0.0	5.0	25nΔ	5.0n	8.0n	40m	900m	-55	125	1	B0274	Δ004AF
38	SNF52J	2	20M	MON	3.3	.26	TTL	10	12	0.0	5.0	25nΔ	5.0n	8.0n	40m	900m	0	75	1	B0274	M157b
39	SNF52W	2	20M	MON	3.3	.26	TTL	10	12	0.0	5.0	25nΔ	5.0n	8.0n	40m	900m	0	75	1	B0274	Δ004AF
40	SNF53J	2	20M	MON	3.3	.26	TTL	10	6	0.0	5.0	25nΔ	5.0n	8.0n	40m	900m	0	75	1	B0274	M157b
41	SNF53W	2	20M	MON	3.3	.26	TTL	10	6	0.0	5.0	25nΔ	5.0n	8.0n	40m	900m	0	75	1	B0274	Δ004AF
42	TRWF50#1	2	20M	MON	3.3	.26	TTL	10	8	0.0	5.0	25n	5.0n	8.0n	40m	900m	-55	125	1	B0274	M157
43	TRWF50#2	2	20M	MON	3.3	.26	TTL	10	8	0.0	5.0	25n	5.0n	8.0n	40m	900m	-55	125	1	B0274	M126
44	TRWF100#1	2	35M	MON	3.3	.26	TTL	4	15†	0.0	5.0	20n	1.0n	1.7n	50m	900m	-55	125	2		M157
45	TRWF100#2	2	35M	MON	3.3	.26	TTL	4	15†	0.0	5.0	20n	1.0n	1.7n	50m	900m	-55	125	2		M126
46	TRWF110#1	2	35M	MON	3.3	.26	TTL	5	15†	0.0	5.0	20n	1.0n	1.7n	50m	900m	-55	125	2		M157
47	TRWF110#2	2	35M	MON	3.3	.26	TTL	5	15†	0.0	5.0	20n	1.0n	1.7n	50m	900m	-55	125	2		M126
48	TRWF120#1	2	50M	MON	3.3	.26	TTL	4	15†	0.0	5.0	15n	1.0n	1.7n	50m	900m	-55	125	2		M157
49	TRWF120#2	2	50M	MON	3.3	.26	TTL	4	15†	0.0	5.0	15n	1.0n	1.7n	50m	900m	-55	125	2		M126
50	TRWF130#1	2	50M	MON	3.3	.26	TTL	5	15†	0.0	5.0	15n	1.0n	1.7n	50m	900m	-55	125	2		M157
51	TRWF130#2	2	50M	MON	3.3	.26	TTL	5	15†	0.0	5.0	15n	1.0n	1.7n	50m	900m	-55	125	2		M126
52	RF52D	2	20Mt	MON	3.4	.20	TTL	6	12	0	5.0				50mt	1.1	0	75	1	B0242	M105m
53	RF52K	2	20Mt	MON	3.4	.20	TTL	6	12	0	5.0				50mt	1.1	0	75	1	B0242	FP21b
54	RF53D	2	20Mt	MON	3.4	.20	TTL	6	6	0	5.0				50mt	1.1	0	75	1	B0242	M105m
55	RF53K	2	20Mt	MON	3.4	.20	TTL	6	6	0	5.0				50mt	1.1	0	75	1	B0242	FP21b
56	RF60D	2	20Mt	MON	3.4	.20	TTL	8	15	0	5.0				55mt	1.1	-55	125	1	B0257	M105m
57	RF60K	2	20Mt	MON	3.4	.20	TTL	8	15	0	5.0				55mt	1.1	-55	125	1	B0257	FP21b
58	RF61D	2	20Mt	MON	3.4	.20	TTL	8	7	0	5.0				55mt	1.1	-55	125	1	B0257	M105m
59	RF61K	2	20Mt	MON	3.4	.20	TTL	8	7	0.0	5.0				55mt	1.1	-55	125	1	B0257	FP21b
60	RF62D	2	20Mt	MON	3.4	.20	TTL	8	12	0	5.0				55mt	1.1	0	75	1	B0257	M105m
61	RF62K	2	20Mt	MON	3.4	.20	TTL	8	12	0	5.0				55mt	1.1	0	75	1	B0257	FP21b
62	RF63D	2	20Mt	MON	3.4	.20	TTL	8	6	0	5.0				55mt	1.1	0	75	1	B0257	M105m
63	RF63K	2	20Mt	MON	3.4	.20	TTL	8	6	0	5.0				55mt	1.1	0	75	1	B0257	FP21b
64	RF251P	2	30Mt	MON	3.4	.20	TTL	9	6	0	5.0				50mt	1.1	-55	125	1		M105k
65	RF260D	2	30Mt	MON	3.4	.20	TTL	8	11	0	5.0				55mt	1.1	-55	125	1	B02109	M105m
66	RF260K	2	30Mt	MON	3.4	.20	TTL	8	11	0	5.0				55mt	1.1	-55	125	1	B02109	FP21b
67	RF261D	2	30Mt	MON	3.4	.20	TTL	8	6	0	5				55mt	1.1		125	1	B02109	M105m
68	RF261K	2	30Mt	MON	3.4	.20	TTL	8	6	0	5				55mt	1.1		125	1	B02109	FP21b
69	RF262D	2	30Mt	MON	3.4	.20	TTL	8	9	0	5				55mt	1.1	0	75	1	B02109	M105m
70	RF262K	2	30Mt	MON	3.4	.20	TTL	8	9	0	5				55mt	1.1	0	75	1	B02109	FP21b
71	RF263D	2	30Mt	MON	3.4	.20	TTL	8	5	0	5				55mt	1.1	0	75	1	B02109	M105m
72	RF263K	2	30Mt	MON	3.4	.20	TTL	8	5	0	5				55mt	1.1	0	75	1	B02109	FP21b
73	RF100D	2	35Mt	MON	3.4	.20	TTL	3	11	0	5				110mt	1.0	-55	125	2	B038r	M105m
74	RF100K	2	35Mt	MON	3.4	.20	TTL	3	11	0	5				110mt	1.0	-55	125	2	B038r	FP21b
75	RF101D	2	35Mt	MON	3.4	.20	TTL	3	6	0	5				110mt	1.0	-55	125	2	B038r	M105m
76	RF101K	2	35Mt	MON	3.4	.20	TTL	3	6	0	5				110mt	1.0	-55	125	2	B038r	FP21b
77	RF102D	2	35Mt	MON	3.4	.20	TTL	3	9	0	5				110mt	1.0	0	75	2	B038r	M105m
78	RF102K	2	35Mt	MON	3.4	.20	TTL	3	9	0	5				110mt	1.0	0	75	2	B038r	FP21b
79	RF103D	2	35Mt	MON	3.4	.20	TTL	3	5	0	5				110mt	1.0	0	75	2	B038r	M105m
80	RF103K	2	35Mt	MON	3.4	.20	TTL	3	5	0	5				110mt	1.0	0	75	2	B038r	FP21b
81	RF110D	2	35Mt	MON	3.4	.20	TTL	3	11	0	5				110mt	1.0	-55	125	2	B038s	M105m
82	RF110K	2	35Mt	MON	3.4	.20	TTL	3	11	0	5				110mt	1.0	-55	125	2	B038s	FP21b
83	RF111D	2	35Mt	MON	3.4	.20	TTL	3	6	0	5				110mt	1.0	-55	125	2	B038s	M105m
84	RF111K	2	35Mt	MON	3.4	.20	TTL	3	6	0	5				110mt	1.0	-55	125	2	B038s	FP21b
85	RF112D	2	35Mt	MON	3.4	.20	TTL	3	9	0	5				110mt	1.0	0	75	2	B038s	M105m
86	RF112K	2	35Mt	MON	3.4	.20	TTL	3	9	0	5				110mt	1.0	0	75	2	B038s	FP21b
87	RF113D	2	35Mt	MON	3.4	.20	TTL	3	5	0	5				110mt	1.0	0	75	2	B038s	M105m
88	RF113K	2	35Mt	MON	3.4	.20	TTL	3	5	0	5				110mt	1.0	0	75	2	B038s	FP21b
89	RF400P	2	35Mt	MON	3.4	.20	TTL	3	11	0.0	5.0				110mt	1.0	-55	125	2		M105k
90	RF120D	2	50Mt	MON	3.4	.20	TTL	3	11	0	5				110mt	1.0	-55	125	2	B038r	M105m
91	RF120K	2	50Mt	MON	3.4	.20	TTL	3	11	0	5				110mt	1.0	-55	125	2	B038r	FP21b
92	RF121D	2	50Mt	MON	3.4	.20	TTL	3	6	0	5				110mt	1.0	-55	125	2	B038r	M105m
93	RF121K	2	50Mt	MON	3.4	.20	TTL	3	6	0	5				110mt	1.0	-55	125	2	B038r	FP21b
94	RF122D	2	50Mt	MON	3.4	.20	TTL	3	9	0	5				110mt	1.0	0	75	2	B038r	M105m
95	RF122K	2	50Mt	MON	3.4	.20	TTL	3	9	0	5				110mt	1.0	0	75	2	B038r	FP21b
96	RF123D	2	50Mt	MON	3.4	.20	TTL	3	5	0	5				110mt	1.0	0	75	2	B038r	M105m
97	RF123K	2	50Mt	MON	3.4	.20	TTL	3	5	0	5				110mt	1.0	0	75	2	B038r	FP21b
98	RF130D	2	50Mt	MON	3.4	.20	TTL	3	11	0	5				110mt	1.0	-55	125	2	B038s	M105m
99	RF130K	2	50Mt	MON	3.4	.20	TTL	3	11	0	5				110mt	1.0	-55	125	2	B038s	FP21b
100	RF131D	2	50Mt	MON	3.4	.20	TTL	3	6	0	5				110mt	1.0	-55	125	2	B038s	M105m
101	RF131K	2	50Mt	MON	3.4	.20	TTL	3	6	0	5				110mt	1.0	-55	125	2	B038s	FP21b
102	RF132D	2	50Mt	MON	3.4	.20	TTL	3	9	0	5				110mt	1.0	0	75	2	B038s	M105m
103	RF132K	2	50Mt	MON	3.4	.20	TTL	3	9	0	5				110mt	1.0	0	75	2	B038s	FP21b
104	RF133D	2	50Mt	MON	3.4	.20	TTL	3	5	0	5				110mt	1.0	0	75	2	B038s	M105m
105	RF133K	2	50Mt	MON	3.4	.20	TTL	3	5	0	5				110mt	1.0	0	75	2	B038s	FP21b
106	RF200D	2	50Mt	MON	3.4	.20	TTL	6	11	0	5				55mt	1.0	-55	125	1	B02105	M105m
107	RF200K	2	50Mt	MON	3.4	20	TTL	6	11	0	5				55mt	1.0	-55	125	1	B02105	FP21b
108	RF201D	2	50Mt	MON	3.4	.20	TTL	6	6	0	5				55mt	1.0	-55	125	1	B02105	M105m
109	RF201K	2	50Mt	MON	3.4	.20	TTL	6	6	0	5				55mt	1.0	-55	125	1	B02105	FP21b
110	RF202D	2	50Mt	MON	3.4	20	TTL	6	9	0	5				55mt	1.0	0	75	1	B02105	M105m

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

4. BINARY OR FLIP - FLOP

IN ORDER OF (1)FLIP-FLOP (2)LOG TYPE (3)LOG LEV'1' (4)LOG LEV'0' (5)MAX FREQ (6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF FLIP-FLOP	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	RF202K	2	50M†	MON	3.4	.20	TTL	6	9	0	5				55m†	1.0	0	75	1	B02105	FP21b
2	RF203D	2	50M†	MON	3.4	.20	TTL	6	5	0	5				55m†	1.0	0	75	1	B02105	M105m
3	RF203K	2	50M†	MON	3.4	.20	TTL	6	5	0	5				55m†	1.0	0	75	1	B02105	FP21b
4	RF210D	2	50M†	MON	3.4	.20	TTL	8	11	0	5				55m†	1.0	-55	125	1	B02106	M105m
5	RF210K	2	50M†	MON	3.4	.20	TTL	8	11	0	5				55m†	1.0	-55	125	1	B02106	FP21b
6	RF211D	2	50M†	MON	3.4	.20	TTL	8	6	0	5				55m†	1.0	-55	125	1	B02106	M105m
7	RF211K	2	50M†	MON	3.4	.20	TTL	8	6	0	5				55m†	1.0	-55	125	1	B02106	FP21b
8	RF212D	2	50M†	MON	3.4	.20	TTL	8	9	0	5				55m†	1.0	0	75	1	B02106	M105m
9	RF212K	2	50M†	MON	3.4	.20	TTL	8	9	0	5				55m†	1.0	0	75	1	B02106	FP21b
10	RF213D	2	50M†	MON	3.4	.20	TTL	8	5	0	5				55m†	1.0	0	75	1	B02106	M105m
11	RF213K	2	50M†	MON	3.4	.20	TTL	8	5	0	5				55m†	1.0	0	75	1	B02106	FP21b
12#	ZN5470E	2		MON	3.5	.20	TTL	9	10	0.0	5.0	13n			10m	1.0	-55	125	1		M126
13#	ZN5470F	2		MON	3.5	.20	TTL	9	10	0.0	5.0	13n			10m	1 0	-55	125	1		TO86
14#	ZN5472E	2		MON	3.5	.20	TTL	9	10	0.0	5.0	13n			10m	1.0	-55	125	1		M126
15#	ZN5472F	2		MON	3.5	.20	TTL	9	10	0.0	5.0	13n			10m	1.0	-55	125	1		TO86
16#	ZN5473E	2		MON	3.5	.20	TTL	4	10	0.0	5.0	13n			10m	1.0	-55	125	2		M126
17#	ZN5473F	2		MON	3.5	.20	TTL	4	10	0.0	5.0	13n			10m	1.0	-55	125	2		TO86
18#	ZN5476E	2		MON	3.5	.20	TTL	5	10	0.0	5.0	13n			10m	1.0	-55	125	2		M126
19#	ZN7470E	2		MON	3.5	.20	TTL	9	10	0.0	5.0	13n			10m	1.0	0	70	1		M126
20#	ZN7470F	2		MON	3.5	20	TTL	9	10	0.0	5.0	13n			10m	1.0	0	70	1		TO86
21#	ZN7472E	2		MON	3.5	.20	TTL	9	10	0 0	5 0	13n			10m	1.0	0	70	1		M126
22#	ZN7472F	2		MON	3.5	.20	TTL	9	10	0.0	5.0	13n			10m	1.0	0	70	1		TO86
23#	ZN7473E	2		MON	3.5	.20	TTL	4	10	0.0	5.0	13n			10m	1.0	0	70	2		M126
24#	ZN7473F	2		MON	3.5	.20	TTL	4	10	0.0	5.0	13n			10m	1.0	0	70	2		TO86
25#	ZN7476E	2		MON	3.5	.20	TTL	5	10	0.0	5.0	13n			10m	1.0	0	70	2		M126
26#	ZN54107E	2		MON	3.5	.20	TTL	4	10	0 0	5.0	13n			10m	1.0	-55	125	2		M126
27#	ZN54107F	2		MON	3.5	.20	TTL	4	10	0.0	5.0	13n			10m	1.0	-55	125	2		TO86
28#	ZN74107E	2		MON	3.5	.20	TTL	4	10	0.0	5.0	13n			10m	1.0	0	70	2		M126
29#	ZN74107F	2		MON	3.5	.20	TTL	4	10	0.0	5.0	13n			10m	1.0	0	70	2		TO86
30	MC2028F	2	35M†Ø	MON	3.5	.20	TTL	10	9	0.0	7.0	20nΔ			60m†	1.0	0	75	1	B02169	TO86
31	MC2028L,P%	2	35M†Ø	MON	3.5	.20	TTL	10	9	0.0	7 0	20nΔ			60m†	1.0	0	75	1	B02169	TO116
32	MC2078F	2	35M†Ø	MON	3.5	.20	TTL	10	5	0.0	7.0	20nΔ			60m†	1.0	0	75	1	B02169	TO86
33	MC2078L,P%	2	35M†Ø	MON	3.5	.20	TTL	10	5	0.0	7.0	20nΔ			60m†	1.0	0	75	1	B02169	TO116
34	MC2128F	2	35M†Ø	MON	3.5	.20	TTL	10	11	0.0	8.0	20nΔ			60m†	1.0	-55	125	1	B02169	TO86
35	MC2128L	2	35M†Ø	MON	3.5	20	TTL	10	11	0.0	8 0	20nΔ			60m†	1.0	-55	125	1	B02169	TO116
36	MC2178F	2	35M†Ø	MON	3.5	.20	TTL	10	11	0.0	8.0	20nΔ			60m†	1.0	-55	125	1	B02169	TO86
37	MC2178L	2	35M†Ø	MON	3.5	20	TTL	10	11	0.0	8.0	20nΔ			60m†	1.0	-55	125	1	B02169	TO116
38	TF100F	2	35M	MON	3.5	.25	TTL	4	15†	0.0	6.0		1.0n†	1.7n†	50m	1.0 Δ	-55	125	2		FP18
39	TF100J	2	35M	MON	3.5	.25	TTL	4	15†	0.0	6.0		1.0n†	1.7n†	50m	1.0 Δ	-55	125	2		TO116
40	TF101F	2	35M	MON	3.5	.25	TTL	4	15†	0.0	6.0		1.0n†	1.7n†	50m	1.0 Δ	-55	125	2		FP18
41	TF101J	2	35M	MON	3.5	25	TTL	4	15†	0.0	6.0		1.0n†	1.7n†	50m	1.0 Δ	-55	125	2		TO116
42	TF102F	2	35M	MON	3.5	.25	TTL	4	7†	0.0	6.0		1.0n†	1.7n†	50m	1.0 Δ	0	75	2		FP18
43	TF102J	2	35M	MON	3.5	.25	TTL	4	7†	0.0	6.0		1.0n†	1.7n†	50m	1.0 Δ	0	75	2		TO116
44	TF103F	2	35M	MON	3.5	.25	TTL	4	7†	0.0	6.0		1.0n†	1.7n†	50m	1.0 Δ	0	75	2		FP18
45	TF103J	2	35M	MON	3.5	.25	TTL	4	7†	0.0	6.0		1.0n†	1.7n†	50m	1.0 Δ	0	75	2		TO116
46	TF110F	2	35M	MON	3.5	.25	TTL	4	7†	0.0	6.0		1.0n†	1.7n†	50m	1.0 Δ	-55	125	2		FP18
47	TF110J	2	35M	MON	3.5	.25	TTL	4	15†	0.0	6.0		1.0n†	1.7n†	50m	1.0 Δ	-55	125	2		TO116
48	TF111F	2	35M	MON	3.5	.25	TTL	4	15†	0.0	6.0		1.0n†	1.7n†	50m	1.0 Δ	-55	125	2		FP18
49	TF111J	2	35M	MON	3.5	.25	TTL	4	15†	0.0	6.0		1.0n†	1.7n†	50m	1.0 Δ	-55	125	2		TO116
50	TF112F	2	35M	MON	3.5	.25	TTL	4	7†	0.0	6.0		1.0n†	1.7n†	50m	1.0 Δ	0	75	2		FP18
51	TF112J	2	35M	MON	3.5	.25	TTL	4	7†	0.0	6.0		1.0n†	1.7n†	50m	1.0 Δ	0	75	2		TO116
52	TF113F	2	35M	MON	3.5	.25	TTL	4	7†	0.0	6.0		1.0n†	1.7n†	50m	1.0 Δ	0	75	2		FP18
53	TF113J	2	35M	MON	3.5	.25	TTL	4	7†	0.0	6.0		1.0n†	1.7n†	50m	1.0 Δ	0	75	2		TO116
54	TF130F	2	50M	MON	3.5	.25	TTL	4	15†	0.0	6.0		1.0n†	1.7n†	50m	1.0 Δ	-55	125	2		FP18
55	TF130J	2	50M	MON	3.5	.25	TTL	4	15†	0.0	6.0		1.0n†	1.7n†	50m	1.0 Δ	-55	125	2		TO116
56	TF131F	2	50M	MON	3.5	.25	TTL	4	15†	0.0	6.0		1.0n†	1.7n†	50m	1.0 Δ	-55	125	2		FP18
57	TF131J	2	50M	MON	3.5	.25	TTL	4	15†	0.0	6.0		1.0n†	1.7n†	50m	1.0 Δ	-55	125	2		TO116
58	TF132F	2	50M	MON	3.5	.25	TTL	4	7†	0.0	6.0		1.0n†	1.7n†	50m	1 0 Δ	0	75	2		FP18
59	TF132J	2	50M	MON	3.5	.25	TTL	4	7†	0.0	6.0		1.0m†	1.7n†	50m	1.0 Δ	0	75	2		TO116
60	TF133F	2	50M	MON	3.5	.25	TTL	4	7†	0.0	6.0		1.0n†	1.7n†	50m	1.0 Δ	0	75	2		TO116
61	TF133J	2	50M	MON	3.5	.25	TTL	4	7†	0.0	6.0		1.0n†	1.7n†	50m	1.0 Δ	0	75	2		TO116
62	MFC8050	2	3.0 †%	MON	3.5%	50†*	TTL	4		0 0	4.0		250n†	60n†	1.0		-10	75	1	B02234	M238
63	T100	2	15M	PCB	5.0	0.0	TTL	10	10	0.0	5.0	15n			700m%	1.0			4	B02209	CBØ
64	T101	2	15M	PCB	5.0	0.0	TTL	10	10	0.0	5.0	15n			740m%	1.0			4	B02209	CBØ
65	T103Ø	2	15M	PCB	5.0	0.0	TTL	7	10	0.0	5.0	17n			1.1 %	1.0			3	B02210	CBØ
66	MM483	2	2.0M†%	MOS	-8.0%	-1.0*†	TTL	5	10	10	0	500nΔ					-55	125	1	B038w	TO100
67	MM583	2	2.0M†%	MOS	-8.0%	-1.0*†	TTL	5	10	10	0	500nΔ					0	70	1	B038w	TO100
68	SW706-1P	2,3	15M†	MON	1.8%	1.2*	DTL	5	10	0.0	5.0	50n%			80m†	1.0	-55	125	2	B02111	TO116
69	SW706-2M	2,3	15M†	MON	1.8%	1.2*	DTL	5	12	0.0	5.0	50n%			80m†	1.0	0	75	2	B02111	M105n
70	SW706-2P	2,3	15M†	MON	1.8%	1.2*	DTL	5	12	0.0	5.0	50n%			80m†	1.0	0	75	2	B02111	TO116
71	SW709-1P	2,3	18M†	MON	1.8%	1.2*	DTL	5	9	0.0	5.0	40n%			100m†	1.0	-55	125	2	B02111	TO116
72	SW709-2M	2,3	18M†	MON	1.8%	1.2*	DTL	5	11	0.0	5.0	40n%			100m†	1.0	0	75	2	B02111	M105n
73	SW709-2P	2,3	18M†	MON	1.8%	1.2*	DTL	5	11	0.0	5.0	40n%			100m†	1.0	0	75	2	B02111	TO116
74	MIC950-5B	2,3	20M	MON	1.9%	.78*	DTL	4	10	0.0	5.0	35n			46m		0	75	1	B03120	FP32
75	MIC950-5C	2,3	20M	MON	1.9%	.78*	DTL	4	10	0.0	5.0	35n			46m		0	75	1	B03120	CN38
76	MIC950-5D	2,3	20M	MON	1.9%	.78*	DTL	4	10	0.0	5.0	35n			46m		0	75	1	B03120	M75g
77	MIC950-1B	2,3	20M	MON	1.9%	.80*	DTL	4	8	0.0	5.5	30n			43m		-55	125	1	B03120	FP33
78	MIC950-1C	2,3	20M	MON	1.9%	.80*	DTL	4	8	0.0	5.5	30n			43m		-55	125	1	B03120	CN38
79	MIC950-1D	2,3	20M	MON	1.9%	.80*	DTL	4	8	0.0	5.5	30n			43m		-55	125	1	B03120	M75g
80	SN15931N	2,3	10MΔ	MON	1.9%	95*	DTL	7	7	0 0	5.0	75nΔ			20m†		-55	125	1	B0287	M126a
81	MIC945-1B	2,3		MON	1.9%	1.1*	DTL	5	10	0	5.5	75n			70m	350m*	-55	125	1	B03132	FP33
82	MIC945-1C	2,3		MON	1 9%	1 1*	DTL	5	10	0	5 5	75n			70m	350m*	-55	125	1	B03132b	CN38
83	MIC945-1D	2,3		MON	1.9%	1.1*	DTL	5	10	0	5.5	75n			70m	350m*	-55	125	1	B03132	M75g
84	MIC945-5B	2,3		MON	1.9%	1.1*	DTL	5	12	0	5	75n			75m	350m*	0	75	1	B03132	FP32
85	MIC945-5C	2,3		MON	1.9%	1 1*	DTL	5	12	0	5	75n			75m	350m*	0	75	1	B03132b	CN38
86	MIC945-5D	2,3		MON	1.9%	1.1*	DTL	5	12	0	5	75n			75m	350m*	0	75	1	B03132	M75g
87#	MIC945R3D	2,3		MON	1.9%	1.1*	DTL	7	10	0.0	5.0	75nΔ			70m§	650m	-40	85	1	B03132	M294b
88#	MIC945R6D	2,3		MON	1.9%	1.1*	DTL	7	10	0.0	5.0	75nΔ			70m§	650m	-20	75	1	B03132	M294b
89#	MIC945R7D	2,3		MON	1.9%	1.1*	DTL	7	10	0 0	5.0	75nΔ			75m§	650m	0	75	1	B03132	M294b
90	MIC948-1B	2,3		MON	1.9%	1.1*	DTL	5	9	0	5.5	65n			81m	350m*	-55	125	1	B03132a	FP33
91	MIC948-1C	2,3		MON	1.9%	1.1*	DTL	5	9	0	5 5	65n			81m	350m*	-55	125	1	B03132c	CN38
92	MIC948-1D	2,3		MON	1.9%	1.1*	DTL	5	9	0	5.5	65n			81m	350m*	-55	125	1	B03132a	M75g
93	MIC948-5B	2,3		MON	1.9%	1.1*	DTL	5	11	0.0	5.0	65n			87m	350m*	0	75	1	B03132a	FP32
94	MIC948-5C	2,3		MON	1.9%	1.1*	DTL	5	11	0.0	5.0	65n			87m	350m*	0	75	1	B03132c	CN38
95	MIC948-5D	2,3		MON	1.9%	1.1*	DTL	5	11	0.0	5.0	65n			87m	350m*	0	75	1	B03132a	M75g
96	SN15945N	2,3	10MΔ	MON	1.9%	1.1*	DTL	7	10	0.0	5.0	75nΔ			20m†		-55	125	1	B02103	M126a
97	SN15948N	2,3	10MΔ	MON	1.9%	1.1*	DTL	7	9	0.0	5.0	75nΔ			20m†		-55	125	1	B02103a	M126a
98	ITT5470J	2,3	35MΔ%		2.0%	.80*	TTL	9	10	0.0	5.0	150n†Δ			10m†		-55	125	1	B0623	M157
99	ITT7470J	2,3	35MΔ%		2.0%	.80*	TTL	9	10	0.0	5.0	150n†Δ			10m†		0	70	1	B0623	M157
100	MUF5	2,4	2.0M	PCB	5.0	0.0		5†	10	0.0	5.0	40n			375m	1.0	0	70	6	B02112	CB53
101	SP620A	2,6	5.0M†%	MON			DTL	5	8	0.0	4.5				135m†	2.0	0	75	1	B0216a	M105ae
102	HEPC2503P-RT	2A,C	4.0M†	MON			RTL	4†	80	0.0	3.6	15n			91m				4		TO116
103	MC787P	2AC	4.0M†	MON	.85%	46*	RTL	4†	20	0.0	3.6				138m†		15	55	4	B02158	TO116
104	MC887P	2AC	4.0M†	MON	.88%	.50*	RTL	4†	20	0.0	3.6				138m†		0	75	4	B02158	TO116
105	MC779P	2BC	4.0M†	MON	.80%	.40*	RTL	4†	20	0.0	3.6				141m†		15	55	4	B02158	TO116
106	MC879P	2BC	4.0M†	MON	.80%	.46*	RTL	4†	20	0.0	3.6				141m†		0	75	4	B02158	TO116
107	MC358AF	2F	30M	MON	-.75	-1.6	ECT	6	15	5.2	0	7.5n	8 0n	8.0n	87m		0	75	1	B0231	TO91
108	MC358AG	2F	30M	MON	-.75	-1.6	ECT	6	15	5.2	0	7.5n	8.0n	8.0n	87m		0	75	1	B0231	CN9
109#	MIC54104J	2F		MON	1.7%	.90*	TTL	10	10	0.0	5.0	25nΔ			120m		-55	125	1	B02167	TO116
110#	MIC54105J	2F		MON	1.7%	.90*	TTL	10	10	0.0	5.0	25nΔ			140m		-55	125	1	B02168	TO116

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

4. BINARY OR FLIP - FLOP

IN ORDER OF (1)FLIP-FLOP (2)LOG TYPE (3)LOG LEV'1' (4)LOG LEV'0' (5)MAX FREQ (6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF FLIP-FLOP	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1#	MIC64104J	2F		MON	1.7%	.90*	TTL	10	10	0 0	5.0	25nΔ			120m		-40	85	1	B02167	TO116
2#	MIC64105J	2F		MON	1.7%	.90*	TTL	10	10	0.0	5.0	25nΔ			140m		-40	85	1	B02168	TO116
3#	MIC74104J	2F		MON	1.7%	.90*	TTL	10	10	0.0	5.0	25nΔ			120m		0	75	1	B02167	TO116
4#	MIC74104N	2F		MON	1.7%	.90*	TTL	10	10	0.0	5.0	25nΔ			120m†		0	75	1	B02167	M126
5#	MIC74105J	2F		MON	1.7%	.90*	TTL	10	10	0.0	5.0	25nΔ			140m		0	75	1	B02168	TO116
6#	MIC74105N	2F		MON	1.7%	.90*	TTL	10	10	0.0	5.0	25nΔ			140m†		0	75	1	B02168	M126
7	SN54104J	2F		MON	1.7%	90*	TTL	10	10	0.0	5.0	25nΔ			120m†		-55	125	1	B02167	M157
8	SN54104W	2F		MON	1.7%	.90*	TTL	10	10	0.0	5.0	25nΔ			120m%		-55	125	1	B02167	TO84
9	SN54105J	2F		MON	1.7%	.90*	TTL	10	10	0.0	5.0	25nΔ			140m%		-55	125	1	B02172	M157
10	SN54105W	2F		MON	1.7%	.90*	TTL	10	10	0.0	5.0	25nΔ			140m%		-55	125	1	B02172	TO84
11	SN74104J	2F		MON	1.7%	90*	TTL	10	10	0.0	5.0	25nΔ			120m%		0	70	1	B02167	M157
12	SN74104N	2F		MON	1.7%	.90*	TTL	10	10	0.0	5.0	25nΔ			120m%		0	70	1	B02167	M126a
13	SN74104W	2F		MON	1.7%	.90*	TTL	10	10	0 0	5.0	25nΔ			120m%		0	70	1	B02167	TO84
14	SN74105J	2F		MON	1.7%	.90*	TTL	10	10	0.0	5.0	25nΔ			140m%		0	70	1	B02172	M157
15	SN74105N	2F		MON	1.7%	.90*	TTL	10	10	0.0	5.0	25nΔ			140m%		0	70	1	B02172	M126a
16	SN74105W	2F		MON	1.7%	.90*	TTL	10	10	0.0	5.0	25nΔ			140m%		0	70	1	B02172	TO84
17	SW54104J	2F		MON	1.7%	.90*	TTL	10	10	0.0	5 0	25nΔ			120m		-55	125	1	B02167	TO116
18	SW54105J	2F		MON	1.7%	.90*	TTL	10	10	0 0	5.0	25nΔ			140m		-55	125	1	B02172	TO116
19	SW74104J	2F		MON	1.7%	.90*	TTL	10	10	0.0	5.0	25nΔ			120m		0	70	1	B02167	TO116
20	SW74104N	2F		MON	1.7%	.90*	TTL	10	10	0.0	5.0	25nΔ			120m		0	70	1	B02167	M105n
21	SW74105J	2F		MON	1.7%	.90*	TTL	10	10	0.0	5.0	25nΔ			140m		0	70	1	B02172	TO116
22	SW74105N	2F		MON	1.7%	.90*	TTL	10	10	0.0	5.0	25nΔ			140m		0	70	1	B02172	M105n
23▼	510T	2F	20M	PCB	2.0%	.45*	TTL	9	10	0 0	7.0	25nΔ			400m§		0	70	4	B0294c	CB62
24▼	514T	2F	35M	PCB	2.0%	.45*	TTL	9	10	0.0	7.0	27nΔ			520m§		0	70	4	B0294c	CB62
25♦	SN54L72J	2F	3.0M%Δ	MON	2.0%	.70*	TTL	9	20	0 0	5.0	200nΔ				1.0 Δ	-55	125	1	B0288	M157b
26♦	SN54L72N	2F	3 0M%Δ	MON	2.0%	.70*	TTL	9	20	0.0	5.0	200nΔ				1.0 Δ	-55	125	1	B0288	M126e
27♦	SN54L72T	2F	3.0M%Δ	MON	2.0%	.70*	TTL	9	20	0 0	5.0	48n%			8.0m†	1.0 Δ	-55	125	1	B0288	FP52e
28♦	SN54L73J	2F	3.0M%Δ	MON	2.0%	.70*	TTL	4	20	0.0	5.0	200nΔ				1.0 Δ	-55	125	2	B02130	M157b
29♦	SN54L73N	2F	3.0M%Δ	MON	2.0%	.70*	TTL	4	20	0.0	5.0	200nΔ				1.0 Δ	-55	125	2	B02130	M126e
30♦	SN54L73T	2F	3.0M%Δ	MON	2.0%	.70*	TTL	8	10	0.0	5.0	48n%			8.0m†	1.0 Δ	-55	125	2	B02130	FP52e
31♦	SN54L78J	2F	3.0M%Δ	MON	2.0%	70*	TTL	5	20	0 0	5.0	200nΔ				1.0 Δ	-55	125	2	B02154	M157b
32♦	SN54L78N	2F	3.0M%Δ	MON	2 0%	.70*	TTL	5	20	0.0	5.0	200nΔ				1.0 Δ	-55	125	2	B02154	M126e
33♦	SN54L78T	2F	3.0M%Δ	MON	2.0%	.70*	TTL	5	20	0.0	5.0	200nΔ				1.0 Δ	-55	125	2	B02154	FP52e
34♦	SN74L72J	2F	3.0M%Δ	MON	2.0%	.70*	TTL	9	20	0 0	5.0	200nΔ				1.0 Δ	0	70	1	B0288	M157b
35♦	SN74L72N	2F	3 0M%Δ	MON	2.0%	.70*	TTL	9	20	0 0	5.0	200nΔ				1.0 Δ	0	70	1	B0288	M126e
36♦	SN74L72T	2F	3.0M%Δ	MON	2.0%	.70*	TTL	9	20	0.0	5.0	48n%			8.0m†	1.0 Δ	0	70	1	B0288	FP52e
37♦	SN74L73J	2F	3 0M%Δ	MON	2.0%	.70*	TTL	4	20	0.0	5 0	200nΔ				1.0 Δ	0	70	2	B02130	M157b
38♦	SN74L73N	2F	3 0M%Δ	MON	2.0%	.70*	TTL	4	20	0 0	5.0	200nΔ				1.0 Δ	0	70	2	B02130	M126e
39♦	SN74L73T	2F	3.0M%Δ	MON	2.0%	.70*	TTL	8	10	0.0	5.0	48n%			8.0m†	1.0 Δ	0	70	2	B02130	FP52e
40#	M53272P	2F	15M%	MON	2.0%	.80*	TTL	9	20	0 0	7.0	30n%			40m†	1.0 Δ	0	75	1	B0288	M105j
41	NC7472N	2F	15M%	MON	2.0%	80*	TTL	9	20	0	7	50nΔ			40m†	1.0	0	70	1		TO116
42#	SFC472E	2F	15M%	MON	2.0%	.80*	TTL	9	10	0	7	50nΔ			40m†	400m*	0	70	1	B0288	TO116
43#	SFC473E	2F	15M%	MON	2.0%	.80*	TTL	4	10	0.0	7.0	50nΔ			40mΔ	400m*	0	70	2	B0291	TO116
44	SN5472N	2F	15M%	MON	2.0%	80*	TTL	9	10	0	5 5	30n%			40m†	1.0	-55	125	1	B0288	M75a
45	SN5473N	2F	15M%	MON	2.0%	.80*	TTL	4	10	0.0	5.5	30n%			40mΔ	1.0	-55	125	2	B0291	M75a
46#	SN6472N	2F	15M%	MON	2.0%	.80*	TTL	9	20	0.0	7.0	50nΔ			40m†	1.0	-40	85	1	B0288	M75a
47#	T7472B1	2F	15M%	MON	2.0%	.80*	TTL	9	20	0.0	5.0	40nΔ			40m†	1.0	0	70	1	G02173	M126f
48#	SFC472EM	2F	20M%Δ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	40nΔ			50m†	1.0 Δ	-55	125	1	B0288	TO116
49#	SFC472ET	2F	20M%Δ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	40nΔ			50m†	1.0 Δ	-25	85	1	B0288	TO116
50♦	SN5472J	2F	20M%Δ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	40nΔ			50m†	1.0 Δ	-55	125	1	B0288	M157b
51♦	SN5472W	2F	20M%Δ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	40nΔ			50m†	1.0 Δ	-55	125	1	B0288	Δ004AA
52♦	SN7472J	2F	20M%Δ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	40nΔ			50m†	1.0 Δ	0	70	1	B0288	M157b
53♦	SN7472N	2F	20MΔ%	MON	2.0%	.80*	TTL	9	20	0	7	50nΔ			50m†	1.0	0	70	1	B0288	M126e
54#	M5372P	2F	23M*	MON	2.0%	.80*	TTL	9	20	0.0	7.0	25n%			40m†	1.0 Δ	0	75	1	B0288	M105j
55#	FLJ341-74110	2F	25M%Δ	MON	2.0%	.80*	TTL	9	20	0.0	5.0	30nΔ			170m§	1.0 Δ	0	70	1	B0288	M126p
56#	FLJ345-84110	2F	25M%Δ	MON	2.0%	80*	TTL	9	20	0.0	5.0	30nΔ			170m§	1.0 Δ	-25	85	1	B0288	M126p
57#	M5375P	2F	28M*	MON	2.0%	.80*	TTL	9	20	0.0	7.0	30n%			70m†	1.0 Δ	0	75	1	B0273	M105j
58#	M53270P	2F	35M%	MON	2.0%	.80*	TTL	9	20	0.0	7.0	22n%			65m†	1.0 Δ	0	75	1	B022	M105j
59#	MIC5470J	2F	35MΔ%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	50nΔ			75m†	400m	-55	125	1	B0623	TO116
60#	MIC6470J	2F	35MΔ%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	50nΔ			75m†	400m	-40	85	1	B0623	TO116
61#	MIC7470J	2F	35MΔ%	MON	2.0%	.80*	TTL	9	10	0.0	5.0	50nΔ			75m†	400m	0	75	1	B0623	TO116
62#	MIC7470N	2F	35MΔ%	MON	2.0%	80*	TTL	9	10	0.0	5.0	50nΔ			75m†	400m	0	75	1	B0623	TO116
63	NC7470N	2F	35M%	MON	2.0%	.80*	TTL	9	20	0.0	7.0	50nΔ			70m	1.0	0	70	1	B022	M126
64♦	SN5470J	2F	35M%Δ	MON	2.0%	.80*	TTL	9	10	0.0	5 0	50nΔ			70m†	1.0 Δ	-55	125	1	B022	M157b
65	SN5470N	2F	35M%	MON	2.0%	.80*	TTL	9	20	0	5.5	50nΔ			70m†	1.0	-55	125	1	B022	M75a
66♦	SN5470W	2F	35M%Δ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	50nΔ			70m†	1.0 Δ	-55	125	1	B022	Δ004AA
67#	SN6470N	2F	35M%	MON	2.0%	.80*	TTL	9	20	0.0	7 0	50nΔ			70m	1.0	-40	85	1	B022	M75a
68♦	SN7470J	2F	35M%Δ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	50nΔ			70m†	1.0 Δ	0	70	1	B022	M157b
69♦	SN7470N	2F	35M%	MON	2.0%	.80*	TTL	9	20	0	7	50nΔ			70m	1.0	0	70	1	B022	M126e
70	MC3054F	2F	30M%	MON	2.4%	.40*†	TTL	10	10	0.0	5.0	20n			95m†	700m	0	75	1	B0297	TO86
71	MC3054L,P%	2F	30M%	MON	2.4%	.40*†	TTL	10	10	0.0	5.0	20n%			95m†	700m	0	75	1	B0297	TO116
72	MC3055F	2F	30M%	MON	2.4%	.40*†	TTL	9	10	0.0	5.0	10n%			80m†	700m	0	75	1	B0295	TO86
73	MC3055L,P%	2F	30M%	MON	2.4%	.40*†	TTL	9	10	0.0	5.0	10n%			80m†	700m	0	75	1	B0295	TO116
74	MC3154F	2F	30M%	MON	2.4%	.40*†	TTL	10	10	0.0	5.0	20n			95m†	700m	-55	125	1	B0297	TO86
75	MC3154L	2F	30M%	MON	2.4%	.40*†	TTL	10	10	0.0	5.0	20n%			95m†	700m	-55	125	1	B0297	TO116
76	MC3155F	2F	30M%	MON	2.4%	.40*†	TTL	9	10	0.0	5.0	10n%			80m†	700m	-55	125	1	B0295	TO86
77	MC3155L	2F	30M%	MON	2.4%	.40*†	TTL	9	10	0.0	5.0	10n%			80m†	700m	-55	125	1	B0295	TO116
78	MC3150F	2F	40M1Ø	MON	2.4%	.40*†	TTL	10	10	0.0	5.0	14nΔ			80m†	700m	-55	125	1	B02170	TO86
79	MC3150L	2F	40M1Ø	MON	2.4%	.40*†	TTL	10	10	0.0	5.0	14nΔ			80m†	700m	-55	125	1	B02170	TO116
80	MC3152F	2F	40M1Ø	MON	2.4%	.40*†	TTL	10	10	0.0	5.0	20nΔ			75m†	700m	-55	125	1	B02172	TO86
81	MC3152L	2F	40M1Ø	MON	2.4%	.40*†	TTL	10	10	0 0	5.0	20nΔ			75m†	700m	-55	125	1	B02172	TO116
82	MC3151F	2F	50M1Ø	MON	2.4%	.40*†	TTL	10	10	0.0	5.0	14nΔ			50m†	700m	-55	125	1	B02227	TO86
83	MC3151L	2F	50M1Ø	MON	2.4%	.40*†	TTL	10	10	0.0	5.0	14nΔ			50m†	700m	-55	125	1	B02227	TO116
84	MC3050F	2F	40MØ	MON	2.5%	.40*†	TTL	10	10	0.0	5.0	14nΔ			80m†	700m	0	75	1	B02170	TO86
85	MC3050L,P%	2F	40MØ	MON	2.5%	.40*†	TTL	10	10	0.0	5.0	14nΔ			80m†	700m	0	75	1	B02170	TO116
86	MC3052F	2F	40M1Ø	MON	2.5%	.40*†	TTL	10	10	0 0	5.0	20nΔ			75m†	700m	0	75	1	B02172	TO86
87	MC3052L,P%	2F	40M1Ø	MON	2.5%	.40*†	TTL	10	10	0.0	5.0	20nΔ			75m†	700m	0	75	1	B02172	TO116
88	MC3051F	2F	50M1Ø	MON	2.5%	.40*†	TTL	10	10	0.0	5.0	14nΔ			50m†	700m	0	75	1	B02227	TO86
89	MC3051L,P%	2F	50M1Ø	MON	2.5%	.40*†	TTL	10	10	0.0	5.0	14nΔ			50m†	700m	0	75	1	B02227	TO116
90	MC2125F	2F	70M%	MON	2.8	.45	TTL	10	11	0.0	5.0	15n	4.0n	2.5n	50m†		-55	125	1	B02193	TO86
91	MC2125L	2F	70M%	MON	2 8	.45	TTL	10	11	0 0	5.0	15n	4.0n	2 5n	50m†		-55	125	1	B02193	TO116
92	MC2126F	2F	70M%	MON	2.8	.45	TTL	10	11	0.0	5.0	15n	4.0n	2.5n	60m†		-55	125	1	B02194	TO86
93	MC2126L	2F	70M%	MON	2 8	.45	TTL	10	11	0.0	5.0	15n	4.0n	2.5n	60m†		-55	125	1	B02194	TO116
94	MC2175F	2F	70M%	MON	2.8	.45	TTL	10	6	0.0	5.0	15n	4.0n	2.5n	50m†		-55	125	1	B02193	TO86
95	MC2175L	2F	70M%	MON	2.8	.45	TTL	10	6	0.0	5.0	15n	4.0n	2.5n	50m†		-55	125	1	B02193	TO116
96	MC2176F	2F	70M%	MON	2.8	.45	TTL	10	6	0.0	5.0	15n	4.0n	2.5n	60m†		-55	125	1	B02194	TO86
97	MC2176L	2F	70M%	MON	2.8	.45	TTL	10	6	0.0	5.0	15n	4.0n	2.5n	60m†		-55	125	1	B02194	TO116
98	MC2025F	2F	50M1Ø	MON	3.0%	.40*†	TTL	10	9	0.0	5.0				50m†		0	75	1	B02193	TO86
99	MC2025L,P%	2F	50M1Ø	MON	3.0%	.40*†	TTL	10	9	0.0	5.0				50m†		0	75	1	B02193	TO116
100	MC2026F	2F	50M1Ø	MON	3.0%	.40*†	TTL	10	9	0 0	5.0				60m†		0	75	1	B02194	TO86
101	MC2026L,P%	2F	50M1Ø	MON	3.0%	.40*†	TTL	10	9	0.0	5.0				60m†		0	75	1	B02194	TO116
102	MC2075F	2F	50M1Ø	MON	3 0%	40*†	TTL	10	5	0.0	5.0				50m†		0	75	1	B02193	TO86
103	MC2075L,P%	2F	50M1Ø	MON	3.0%	.40*†	TTL	10	5	0.0	5.0				50m†		0	75	1	B02193	TO116
104	MC2076F	2F	50M1Ø	MON	3.0%	.40*†	TTL	10	5	0.0	5.0				60m†		0	75	1	B02194	TO86
105	MC2076L,P%	2F	50M1Ø	MON	3.0%	.40*†	TTL	10	5	0.0	5.0				60m†		0	75	1	B02194	TO116
106	TRW7472#1	2F	15M	MON	3 3	.26	TTL	9	20	0.0	5.0	50n			40m	900m	-55	125	1	B0288	M157
107	TRW7472#2	2F	15M	MON	3 3	.26	TTL	9	20	0.0	5.0	50n			40m	900m	-55	125	1	B0288	M126
108	SNF60J	2F	20M	MON	3.3	.26	TTL	12	15†	0.0	5.0	25nΔ	5.0n	8.0n	60m	900m	-55	125	1	B0257	M157b
109	SNF60W	2F	20M	MON	3 3	.26	TTL	12	15†	0.0	5.0	25nΔ	5.0n	8.0n	60m	900m	-55	125	1	B0257	Δ004AF
110	SNF61J	2F	20M	MON	3.3	.26	TTL	12	7†	0.0	5.0	25nΔ	5.0n	8.0n	60m	900m	-55	125	1	B0257	M157b

4. BINARY OR FLIP - FLOP

IN ORDER OF (1)FLIP-FLOP (2)LOG TYPE (3)LOG LEV'1' (4)LOG LEV'0' (5)MAX FREQ (6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF FLIP-FLOP	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	SNF61W	2F	20M	MON	3.3	.26	TTL	12	7†	0.0	5.0	25nΔ	5.0n	8.0n	60m	900m	-55	125	1	B0257	Δ004AF
2	SNF62J	2F	20M	MON	3.3	.26	TTL	12	12†	0.0	5.0	25nΔ	5.0n	8.0n	60m	900m	0	75	1	B0257	M157b
3	SNF62W	2F	20M	MON	3.3	.26	TTL	12	12†	0.0	5.0	25nΔ	5.0n	8.0n	60m	900m	0	75	1	B0257	Δ004AF
4	SNF63J	2F	20M	MON	3.3	.26	TTL	12	6†	0.0	5.0	25nΔ	5.0n	8.0n	60m	900m	0	75	1	B0257	M157b
5	SNF63W	2F	20M	MON	3.3	.26	TTL	12	6†	0.0	5.0	25nΔ	5.0n	8.0n	60m	900m	0	75	1	B0257	Δ004AF
6	TRWF60#1	2F	20M	MON	3.3	.26	TTL	12	15	0.0	5.0	25n	5.0n	8.0n	60m	900m	-55	125	1	B0257	M157
7	TRWF60#2	2F	20M	MON	3.3	.26	TTL	12	15	0.0	5.0	25n	5.0n	8.0n	60m	900m	-55	125	1	B0257	M126
8	SNF200J	2F	50M	MON	3.3	.26	TTL	10	15†	0.0	5.0	11nΔ	1.0nt	1.7nt	50m	900m	-55	125	1	B02105	M157b
9	SNF200W	2F	50M	MON	3.3	.26	TTL	10	15†	0.0	5.0	11nΔ	1.0nt	1.7nt	50m	900m	-55	125	1	B02105	Δ004AF
10	SNF201J	2F	50M	MON	3.3	.26	TTL	10	7†	0.0	5.0	11nΔ	1.0nt	1.7nt	50m	900m	-55	125	1	B02105	M157b
11	SNF201W	2F	50M	MON	3.3	.26	TTL	10	7†	0.0	5.0	11nΔ	1.0nt	1.7nt	50m	900m	-55	125	1	B02105	Δ004AF
12	SNF202J	2F	50M	MON	3.3	.26	TTL	10	12†	0.0	5.0	11nΔ	1.0nt	1.7nt	60m	900m	0	75	1	B02105	M157b
13	SNF202W	2F	50M	MON	3.3	.26	TTL	10	12†	0.0	5.0	11nΔ	1.0nt	1.7nt	60m	900m	0	75	1	B02105	Δ004AF
14	SNF203J	2F	50M	MON	3.3	.26	TTL	10	6†	0.0	5.0	11nΔ	1.0nt	1.7nt	60m	900m	0	75	1	B02105	M157b
15	SNF203W	2F	50M	MON	3.3	.26	TTL	10	6†	0.0	5.0	11nΔ	1.0nt	1.7nt	60m	900m	0	75	1	B02105	Δ004AF
16	SNF210J	2F	50M	MON	3.3	.26	TTL	10	15†	0.0	5.0	11nΔ	1.0nt	1.7nt	60m	900m	-55	125	1	B02106	M157b
17	SNF210W	2F	50M	MON	3.3	.26	TTL	10	15†	0.0	5.0	11nΔ	1.0nt	1.7nt	60m	900m	-55	125	1	B02106	Δ004AF
18	SNF211J	2F	50M	MON	3.3	.26	TTL	10	7†	0	5	11nΔ	1.0nt	1.7nt	60m	900m	-55	125	1	B02106	M157b
19	SNF211W	2F	50M	MON	3.3	.26	TTL	10	7†	0.0	5.0	11nΔ	1.0nt	1.7nt	60m	900m	-55	125	1	B02106	Δ004AF
20	SNF212J	2F	50M	MON	3.3	26	TTL	10	12†	0	5	11nΔ	1.0nt	1.7nt	50m	900m	0	75	1	B02106	M157b
21	SNF212W	2F	50M	MON	3.3	.26	TTL	10	12†	0.0	5.0	11nΔ	1.0nt	1.7nt	50m	900m	0	75	1	B02106	Δ004AF
22	SNF213J	2F	50M	MON	3.3	.26	TTL	10	6†	0	5	11nΔ	1.0nt	1.7nt	50m	900m	0	75	1	B02106	M157b
23	SNF213W	2F	50M	MON	3.3	.26	TTL	10	6†	0.0	5.0	11nΔ	1.0nt	1.7nt	50m	900m	0	75	1	B02106	Δ004AF
24	TRWF200#1	2F	50M	MON	3.3	.26	TTL	10	15	0.0	5.0	11n	1.0nt	1.7nt	50m	900m	-55	125	1	B02105	M157
25	TRWF200#2	2F	50M	MON	3.3	.26	TTL	10	15	0.0	5.0	11n	1.0nt	1.7nt	50m	900m	-55	125	1	B02105	M126
26	TRWF210#1	2F	50M	MON	3.3	26	TTL	10	15	0.0	5.0	11n	1.0nt	1.7nt	60m	900m	-55	125	1	B02106	M157
27	TRWF210#2	2F	50M	MON	3.3	.26	TTL	10	15	0.0	5.0	11n	1.0nt	1.7nt	60m	900m	-55	125	1	B02106	M126
28	3101-4-6J	2G	250kΔ	MOS	9.0%	2.0*		5		29	0.0	1.0nΔ			200mΔ		-55	85	2	B02171	M148
29	MSF8	3	2.0M	PCB	5.0	0.0		20	16	0	5	25n			250m	1.0	0	70	8	B03121	CB53
30	MSF10	3	5.0M	PCB	5.0	0.0		20	20	0	5	25n			375m	1.0	0	70	10		
31	LCE701	3	1.0M	MOH	6.0	0.0†				6	12	30n					-15	65	1		M45
32	LCE501	3	5.0M	MOH	6.0	0.0†				6	12	25n					-30	80	1		M45
33	CM4043AD	3		MOS	10	0.0†		2		0.0	10	175nΔ			200m	4.5 Δ	-55	125	4	B03158	M210b
34	CM4043AE	3		MOS	10	0.0†		2		0.0	10	200nΔ			200m	4.5 Δ	-40	85	4	B03158	M210b
35	CM4044AD	3		MOS	10	0 0†		2		0 0	10	175nΔ			200m	4.5 Δ	-55	125	4	B03159	M210b
36	CM4044AE	3		MOS	10	0.0†		2		0.0	10	200nΔ			200m	4.5 Δ	-40	85	4	B03159	M210b
37	D4409	3	3 0M		13	1.5		1	8	1.0	18		20n	20n		5.0	0	50			
38	MFC6080	3		MON	14%	1.0*†		2		0.0	16				1.0		0	75	1	B03154	M221
39	SW950-1P	3	40Mt	MON		.30†	DTL	6	8	0.0	5.0	25n%			30mt	1.0	-55	125	1	B0397a	TO116
40	SW950-2M	3	40Mt	MON		.30†	DTL	6	8	0 0	5.0	25n%			30mt	1.0	0	75	1	B0397a	M105n
41	SW950-2P	3	40Mt	MON		.30†	DTL	6	8	0.0	5.0	25n%			30mt	1.0	0	75	1	B0397a	TO116
42	R200	3	2.0M	PCB	0.0	-3.0	DTL	2	17	15	10		70n	100n	213m	800m	-20	65	1	B038n	CB31
43	R204	3	2.0M	PCB	0.0	-3.0	DTL	2	17	15	10		90n	130n	519m	800m	-20	65	4	B038m	CB31
44	SW772-1P	3	7.0Mt	MON	1.8%	1.2*	DTL	2	8	0.0	5.0	60n%			48mt	1.0	-55	125	3	B03130	TO116
45#	9945-9-7A	3		MON	1.9%	1.1*	DTL	7	10	0.0	5.0	90nΔ			75m%	1.0	0	75	1	B0395	M105e
46	9945DM	3		MON	1.9%	1.1*	DTL	7	20	0.0	5.0	75nΔ				1.0 Δ	-55	125	1	B0395	M157
47	9945FM	3		MON	1.9%	1.1*	DTL	7	20	0.0	5.0	75nΔ				1.0 Δ	-55	125	1	B0395	FP28c
48#	9948-9-7A	3		MON	1.9%	1.1*	DTL	7	10	0.0	5.0	80nΔ			87m%	1.0	0	75	1	B0395	M105e
49	9950DM	3	20Mt	MON	1 9%	1.1*	DTL	6		0.0	5.0	30nΔ				1.0 Δ	-55	125	1	B0397d	M157
50	9950FM	3	20Mt	MON	1.9%	1.1*	DTL	6		0.0	5.0	30nΔ				1.0 Δ	-55	125	1	B0397d	FP28c
51	SW772-2M	3	7.0Mt	MON	1.9%	1.2*	DTL	2	8	0.0	5.0	60n%			48mt	1.0	0	75	3	B03130	M105n
52	SW772-2P	3	7.0Mt	MON	1.9%	1 2*	DTL	2	8	0.0	5.0	60n%			48mt	1.0	0	75	3	B03130	TO116
53▼	512	3	5.0M	PCB	2.0%	.45*	DTL	2	10	0.0	7.0	30n%			260mt		0	70	10		CB62
54	D4018	3	5.0M	PCB	2.0%	.95*	DTL	1	7	0	5	95nΔ			240m	1.0 Δ	0	75	12		
55	RM202D	3		MON	2.0%	1.0*	DTL	6	10	0	6.0	48n			11mt	550m	-55	125	1	B0324	M105k
56	RM202G	3		MON	2.0%	1.0*	DTL	6	10	0	6.0	48n			11mt	550m	-55	125	1	B0324	TO84
57	RM202T	3		MON	2.0%	1.0*	DTL	6	10	0	6.0	48n			11mt	550m	-55	125	1	B0319	TO101
58	RM212D	3		MON	2.0%	1.0*	DTL	8Δ	10	0	6.0	48n			11mt	550m	-55	125	1	B0321b	M105k
59	RM212G	3		MON	2.0%	1.0*	DTL	8Δ	10	0	6.0	48n			11mt	550m	-55	125	1	B0321b	TO84
60	RM212T	3		MON	2.0%	1.0*	DTL	8Δ	10	0	6.0	48n			11mt	550m	-55	125	1	B0321a	TO101
61	RM222D	3		MON	2.0%	1.0*	DTL	8Δ	10	0	6.0	48n			20mt	550m	-55	125	1	B0325a	M105k
62	RM222G	3		MON	2.0%	1 0*	DTL	8Δ	10	0	6.0	48n			20mt	550m	-55	125	1	B0325a	TO84
63	RM222T	3		MON	2.0%	1.0*	DTL	8Δ	10	0	6.0	48n			20mt	550m	-55	125	1	B0325a	TO101
64	RM950D	3		MON	2.0%	1.0*	DTL	6	8	0	5.0	30n			23mt	500m	-55	125	1		M105m
65	RM950J	3		MON	2.0%	1.0*	DTL	6	8	0	5.0	30n			23mt	500m	-55	125	1		FP28
66	RM950Q	3		MON	2.0%	1.0*	DTL	6	8	0	5.0	30n			23mt	500m	-55	125	1		FP26b
67	RM950T	3		MON	2.0%	1.0*	DTL	6	8	0	5.0	30n			23mt	500m	-55	125	1		TO101
68	9945HC	3		MON	2.6%	.40t*	DTL	6	24	0.0	5.5	36n				1.0	0	70	1	B0395	TO100
69	9945HM	3		MON	2.6%	.40t*	DTL	6	20	0.0	5.5	36n				1.0	-55	125	1	B0395	TO100
70	9948HC	3		MON	2.6%	.40t*	DTL	6	22	0.0	5.5	36n				1.0	0	75	1	B0395a	TO100
71	9948HM	3		MON	2.6%	.40t*	DTL	6	18	0.0	5.0	36n				1.0	-55	125	1	B0395a	TO100
72	9950HC	3		MON	2.6%	.40t*	DTL	6	20	0.0	8.0	36n				1.0	0	70	1	B0397c	TO100
73	9950HM	3		MON	2.6%	40t*	DTL	6	16	0.0	8.0	36n				1.0	-55	125	1	B0397c	TO100
74	MC950F	3		MON	2.6%	.40*	DTL	6	8	0.0	5.0	15n			50mt		-55	125	1	B0397d	TO86
75	MC950G	3		MON	2.6%	.40*	DTL	6	8	0.0	5.0	15n			50mt		-55	125	1	B0397d	TO100
76	MC950L	3		MON	2.6%	.40*	DTL	6	8	0.0	5.0	15n			50mt		-55	125	1	B0397d	TO116
77	MC850F	3		MON	2.6%	45*	DTL	6	10	0.0	5 0	15n			50mt		0	75	1	B0397d	TO86
78	MC850G	3		MON	2.6%	.45*	DTL	6	10	0.0	5.0	15n			50mt		0	75	1	B0397d	TO100
79	MC850L,P%	3		MON	2.6%	.45*	DTL	6	10	0.0	5 0	15n			50mt		0	75	1	B0397d	TO116
80	9950FC	3		MON	2.8%	.451*	DTL	6	20	0.0	5.0	35nΔ			46m		0	75	1	B0397c	FP28b
81#	9945-9-6A	3		MON	3.1%	.451*	DTL	7		0.0	5.0	75nΔ			75m		0	75	1	B0395	M157
82	9945FC	3		MON	3 1%	451*	DTL	7	24	0 0	5 0	75nΔ			75m		0	75	1	B0395	FP28b
83	SFC945E	3		MON	3.1%	.451*	DTL	7		0.0	5.0	75nΔ			75m		0	75	1	B0395	M126
84	9948DM	3		MON	4.0%	.40t*	DTL	7							81m		-55	125	1	B0395a	M157
85	9948FM	3		MON	4.0%	.40t*	DTL	7	18	0.0	5.0	65nΔ			81m		-55	125	1	B0395a	FP28b
86#	9948-9-6A	3		MON	4.3%	.451*	DTL	7		0.0	5.0	65nΔ			87m		0	75	1	B0395a	M157
87	9948FC	3		MON	4.3%	451*	DTL	7	18						87m		0	75	1	B0395a	M126
88	SFC948E	3		MON	4.3%	.451*	DTL	7		0.0	5.0	65nΔ			87m		0	75	1	B0395a	M126
89	I113	3	5.0M	PCB	5.0	5.0	DTL	2	7	0.0	5.0	35n			445m%	1.0			12	B03141	CB☑
90	HEPC0906P-RT	3	3.0Mt%	MON	12.5%	1.5*†	DTL	7	8	0.0	15				160mt		-30	75	1	B03127	TO116
91	MC664L,P%	3	3.0Mt	MON	13%	1.5*†	DTL	7	8	0.0	18				160mt	5.0	-30	75	1	B03127	TO116
92#	TL664L	3	3.0Mt%	MON	13%	1.5t*	DTL	7	8	0.0	18				160mt	5.0	-30	75	1	B03127	M157a
93#	TL664P	3	3.0Mt%	MON	13%	1.5t*	DTL	7	8	0.0	18				160mt	5.0	-30	75	1	B03127	M114f
94	MC1014P	3		MON	-.75	-1.6	ECT	3	50	5.2	0.0	6.0n%	9.0n	8.5n	140mt	175m	0	75	2	B03125	TO116
95	MC1015P	3		MON	-.75	-1.6	ECT	3	50	5.2	0.0	6.0n%	9.0n	8.5n	140mt	175m	0	75	2	B03126	TO116
96	MC1016P	3		MON	-.75	-1.6	ECT	2	50	5.2	0.0	6.0n%	9.0n	8.5n	140mt	175m	0	75	2	B03138	TO116
97	MC1033P	3		MON	-.75	-1.6	ECT	2	50	5.2	0.0	6.0n%	9.0n	8.5n	140mt	175m	0	75	2	B03139	TO116
98	MC1214F	3		MON	-.75	-1.6	ECT	3	50	5.2	0.0	6.0n%	9.0n	8.5n	140mt	175m	-55	125	2	B03125	TO86
99	MC1214L	3		MON	-.75	-1.6	ECT	3	50	5.2	0.0	6.0n%	9.0n	8.5n	140mt	175m	-55	125	2	B03125	TO116
100	MC1215F	3		MON	- 75	-1 6	ECT	3	50	5.2	0.0	6.0n%	9.0n	8.5n	140mt	175m	-55	125	2	B03126	TO86
101	MC1215L	3		MON	-.75	-1 6	ECT	3	50	5.2	0.0	6.0n%	9.0n	8.5n	140mt	175m	-55	125	2	B03126	TO116
102	MC1216F	3		MON	-.75	-1.6	ECT	2	50	5.2	0.0	6.0n%	9.0n	8.5n	140mt	175m	-55	125	2	B03138	TO86
103	MC1216L	3		MON	-.75	-1.6	ECT	2	50	5.2	0.0	6.0n%	9.0n	8.5n	140mt	175m	-55	125	2	B03138	TO116
104	MC1233F	3		MON	-.75	-1.6	ECT	2	50	5.2	0.0	6.0n%	9 0n	8.5n	140mt	175m	-55	125	2	B03139	TO86
105	MC1233L	3		MON	-.75	-1 6	ECT	2	50	5.2	0.0	6.0n%	9.0n	8.5n	140mt	175m	-55	125	2	B03139	TO116
106	MC302F	3	40M	MON	-.75	-1.6	ECT	4	25	5.2	0.0	18n	18n	17n	55m		-55	125	1	B0320	TO91
107	MC302G	3	40M	MON	-.75	-1.6	ECT	4	25	5.2	0.0	18n	18n	17n	55m		-55	125	1	B0320	CN9
108	N1014A	3			-.85	-1.8	ECT	2	25	5.2	0.0	6.0n	9.0n	9.0n	140m	400m	0	75			M153a
109	N1015A	3			-.85	-1.8	ECT	2	25	5.2	0.0	6.0n	9.0n	9.0n	140m	400m	0	75			M153a
110	N1016A	3			-.85	-1.8	ECT	1	25	5.2	0.0	6.0n	9.0n	9.0n	140m	400m	0	75			M153a

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

4. BINARY OR FLIP - FLOP

IN ORDER OF (1)FLIP-FLOP (2)LOG TYPE (3)LOG LEV'1' (4)LOG LEV'0' (5)MAX FREQ (6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF FLIP-FLOP	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	2 TYPE	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	N1033A	3			-.85	-1.8	ECT	1	25	5.2	0.0	6.0n	9.0n	9.0n	140m	400m	0	75			M153a
2	MC1666S	3	300M†	MON	-.95%	-1 6†*	ECT	3	70	5.2	0.0	1.8n%	2.5n	2.2n	220m†		0	75	2	B03150	FP78
3	MC1667S	3	300M†	MON	-.95%	-1.6†*	ECT	3	7	5.2	0.0	1.8n%	2.5n	2.2n	230m†		0	75	2	B03150	FP78
4	MC1666L	3	300M†	MON	-.96%	-1.6†*	ECT	3	70	5.2	0.0	1.8n%	2.5n	2.2n	220m†		0	75	2	B03150	M191
5	MC1667L	3	300M†	MON	-.96%	-1.6†*	ECT	3	7	5.2	0.0	1.8n%	2.5n	2.2n	230m†		0	75	2	B03150	M191
6#	SP488	3			-7.0%	-.79*	ECT	5		7.0	0.0	5.5nΔ				160m*	0	75	1	B03152	M146b
7#	SP489	3			-7.0%	-.79*	ECT	5		7.0	0.0	5.5nΔ				160m*	0	75	1	B03152	M146b
8	LCE301	3	3.0M	MOH	6.0	0.0†	RCT			6	12	25n	44n	34n	220m		-40	100	1	B0356	CN27
9	LCE401	3	3.0M	MOH	6.0	0.0†	RCT			6	12	25n	44n	34n	220m		-40	100	1	B0356a	M45
10	MC902G	3		MON	.82%	.57*	RTL	2	8	0	4	14n			22m†		-55	125	1	B0360	TO99
11	MC802G	3		MON	.84%	.55*	RTL	2	8	0	4	14n			22m†		0	100	1	B0360	TO99
12	MC702G	3		MON	1.1	.10	RTL	2	26	0	4	22n			80m†		15	55	1	B0360	TO99
13	9957DC	3		MON	2.2%	.36†*	RTL	6	95	2.0	4.5	14n			1.0	500m	15	55	1	B03131	TO116
14▼	RSN54L71H	3	3.0MΔ%	MON	1.9%	.80*	TTL	9		0.0	5.0	150nΔ			7.2m%		-55	125	1	B02283	FP69b
15♦	SN54L71T	3	3.0M%Δ	MON	2.0%	.70*	TTL	9	20	0.0	5.0	48n%			8.0mt	1.0 Δ	-55	125	1	B03117	FP52e
16▼	512T	3	20M	PCB	2 0%	.45*	TTL	2	10	0.0	7.0	25n%			300m†		0	70	10		CB62
17▼	JANM38510/02101BAA	3	2.5MΔØ	MON	2 0%	.70*	TTL	9	10	0.0	5.5	250nΔ			11m		-55	125	1	B03156	FP52d
18▼	JANM38510/02101BAC	3	2.5MΔØ	MON	2.0%	.70*	TTL	9	10	0 0	5.5	250nΔ			11m		-55	125	1	B03156	FP52d
19	JANM38510/02101BCB	3	2.5MΔØ	MON	2.0%	.70*	TTL	9	10	0.0	5.5	250nΔ			11m		-55	125	1	B03156	M314
20▼	JANM38510/02101CAA	3	2.5MΔØ	MON	2.0%	.70*	TTL	9	10	0.0	5.5	250nΔ			11m		-55	125	1	B03156	FP52d
21▼	JANM38510/02101CAC	3	2.5MΔØ	MON	2.0%	.70*	TTL	9	10	0.0	5 5	250nΔ			11m		-55	125	1	B03156	FP52d
22	JANM38510/02101CCB	3	2.5MΔØ	MON	2.0%	.70*	TTL	9	10	0.0	5.5	250nΔ			11m		-55	125	1	B03156	M314
23	NC74L71N	3	3.0M%Δ	MON	2.0%	.70*	TTL	9	20	0.0	5.0	48n%			8.0mt	1.0 Δ	0	70	1	B03117	TO116
24♦	SN54L71J	3	3.0M%Δ	MON	2.0%	.70*	TTL	9	20	0.0	5.0	48n%			8.0mt	1.0 Δ	-55	125	1	B03117	M157b
25♦	SN54L71N	3	3.0M%Δ	MON	2.0%	.70*	TTL	9	20	0.0	5.0	48n%			8.0mt	1.0 Δ	-55	125	1	B03117	M126e
26♦	SN74L71J	3	3.0M%Δ	MON	2.0%	.70*	TTL	9	20	0.0	5.0	48n%			8.0mt	1.0 Δ	0	70	1	B03117	M157b
27♦	SN74L71N	3	3.0M%Δ	MON	2.0%	70*	TTL	9	20	0.0	5.0	48n%			8.0mt	1.0 Δ	0	70	1	B03117	M126e
28♦	SN74L71T	3	3 0M%Δ	MON	2.0%	.70*	TTL	9	20	0.0	5.0	48n%			8.0mt	1.0 Δ	0	70	1	B03117	FP52e
29#	FJB9329	3		MON	2.0%	.80*	TTL	7	10	0.0	5 0	29nΔ			180mt		0	70	6	B03157	M210a
30#	FJJ291	3		MON	2.0%	.80*	TTL	7	10	0.0	5.0	29nΔ			180mt	400m	0	70	6	B03151	M146e
31#	FLJ361-74118	3		MON	2 0%	.80*	TTL	2	10	0.0	5 0	29nΔ			300m§	1.0 Δ	0	70	6	B03151	M117w
32#	FLJ365-84118	3		MON	2.0%	.80*	TTL	2	10	0.0	5.0	29nΔ			300m§	1.0 Δ	-25	85	6	B03151	M117w
33#	FLJ371-74119	3		MON	2.0%	.80*	TTL	3†	10	0.0	5.0	29nΔ			300m§	1.0 Δ	0	70	6	B03151	M117w
34#	FLJ375-84119	3		MON	2.0%	.80*	TTL	3†	10	0.0	5.0	29nΔ			300m§	1.0 Δ	-25	85	6	B03151	M117w
35#	MIC54118J	3		MON	2 0%	.80*	TTL	7	20	0.0	5.0	29nΔ			150mt	400m	-55	125	1	B03151	M153a
36#	MIC64118J	3		MON	2.0%	.80*	TTL	7	20	0.0	5.0	29nΔ			150mt	400m	-40	85	1	B03151	M153a
37#	MIC74118J	3		MON	2.0%	.80*	TTL	7	20	0.0	5.0	29nΔ			150mt	400m	0	75	1	B03151	M153a
38#	MIC74118N	3		MON	2.0%	.80*	TTL	7	20	0.0	5.0	29nΔ			150mt	400m	0	75	1	B03151	M153a
39#	TL74118N	3		MON	2.0%	.80*	TTL	7	20	0.0	5.0	29nΔ			315mt		0	70	1	B03151	M126n
40#	TL74119N	3		MON	2.0%	.80*	TTL	16	20	0.0	5.0	29nΔ			315mt		0	70	1	B03155	M117u
41	M203	3	20M	PCB	2.4	.40	TTL	1	9	0	5	30n	15n	15n	175m	1.0	0	70	8		
42	MC413F	3		MON	3.3	.26	TTL	6	12	0.0	5.0	20n	8.0n	5.0n	30mt	900m	0	75	1	B03133	TO86
43	MC413L,P%	3		MON	3.3	.26	TTL	6	12	0.0	5.0	20n	8.0n	5.0n	30mt	900m	0	75	1	B03133	TO116
44	MC463F	3		MON	3.3	.26	TTL	6	6	0.0	5.0	20n	8.0n	5.0n	30mt	900m	0	75	1	B03133	TO86
45	MC463L,P%	3		MON	3.3	.26	TTL	6	6	0.0	5.0	20n	8.0n	5.0n	30mt	900m	0	75	1	B03133	TO116
46	MC513F	3		MON	3.3	.26	TTL	6	15	0.0	5.0	20n	8.0n	5.0n	30mt	900m	-55	125	1	B03133	TO86
47	MC513L	3		MON	3.3	.26	TTL	6	15	0	8	20n	8.0n	5.0n	30mt	900m	-55	125	1	B03133	TO116
48	MC563F	3		MON	3.3	.26	TTL	6	7	0.0	5.0	20n	8.0n	5.0n	30mt	900m	-55	125	1	B03133	TO116
49	MC563L	3		MON	3.3	26	TTL	6	7	0	8	20n	8.0n	5.0n	30mt	900m	-55	125	1	B03133	TO116
50	RF10D	3	20M†	MON	3.4	.20	TTL	6	15	0	5.0				30 †	1.1	-55	125	1	B0388a	M105m
51	MC421F	3	10M†	MON	3.5	.20	TTL	6	12	0.0	5.0	18n			30mt	1.0	0	75	1	B03137	TO86
52	MC421L,P%	3	10M†	MON	3.5	.20	TTL	6	12	0.0	5.0	18n			30mt	1.0	0	75	1	B03137	TO116
53	MC471F	3	10M†	MON	3.5	.20	TTL	6	6	0.0	5.0	18n			30mt	1.0	0	75	1	B03137	TO86
54	MC471L,P%	3	10M†	MON	3.5	.20	TTL	6	6	0.0	5.0	18n			30mt	1.0	0	75	1	B03137	TO116
55	MC521F	3	10M†	MON	3.5	.20	TTL	6	15	0.0	5 0	18n			30mt	1.0	-55	125	1	B03137	TO86
56	MC521L	3	10M†	MON	3.5	.20	TTL	6	15	0	8	18n			30mt	1.0	-55	125	1	B03137	TO116
57	MC571F	3	10M†	MON	3.5	.20	TTL	6	7	0.0	5.0	18n			30mt	1.0	-55	125	1	B03137	TO86
58	MC571L	3	10M†	MON	3.5	.20	TTL	6	7	0	8	18n			30mt	1.0	-55	125	1	B03137	TO116
59	T110	3	10M	PCB	5.0	0.0	TTL	7	9	4.8	5.2	15n			1.1	1.0	0	70	2		CB☑
60	T113	3	10M	PCB	5.0	0.0	TTL	2	9	4.8	5.2	8.0n			420m	1.0	0	70	18		CB☑
61	SW945-1P	3,2	15M†	MON	1.8%	1.2*	DTL	7	10	0.0	5.0	50n%			40mt	1.0	-55	125	1	B0395	TO116
62	SW945-2M	3,2	15M†	MON	1.8%	1 2*	DTL	7	12	0.0	5 0	50n%			40mt	1.0	0	75	1	B0395	M105n
63	SW945-2P	3,2	15M†	MON	1.8%	1.2*	DTL	7	12	0.0	5.0	50n%			40mt	1.0	0	75	1	B0395	TO116
64	SW948-1P	3,2	18M†	MON	1.8%	1.2*	DTL	7	9	0.0	5.0	40n%			50mt	1.0	-55	125	1	B0395a	TO116
65	SW948-2M	3,2	18M†	MON	1 8%	1.2*	DTL	7	11	0.0	5.0	40n%			50mt	1.0	0	75	1	B0395a	M105n
66	SW948-2P	3,2	18M†	MON	1.8%	1.2*	DTL	7	11	0.0	5.0	40n%			50mt	1.0	0	75	1	B0395a	TO116
67#	FQJ101-845	3,2	5.0M%	MON	3.1%	.45†*	DTL	3†	12	0.0	5.0	25n%	75n	75n	75m	1.0 Δ	0	75	2	B03132	TO116
68#	FQJ111-848	3,2	5.0M%	MON	4 3%	.45†*	DTL	3†	11	0.0	5 0	25n%	75n	65n	81m	1.0 Δ	0	75	1	B03132a	TO116
69	9314FC	3,8		MON	1.8%	.85*	TTL					32nΔ			300m%		0	75	1		FP47b
70	T9314F	3,8V		MON	2.0%	.80*	TTL	10	10	0.0	5.0	32nΔ			275m§		0	75	1	B04141	FP101a
71	T9314FM	3,8V		MON	2 0%	80*	TTL	10	10	0.0	5.0	30nΔ			275m§		-55	125	1	B04141	FP101a
72	T9314J	3,8V		MON	2 0%	80*	TTL	10	10	0.0	5.0	32nΔ			275m§		0	75	1	B04141	M153c
73	T9314JM	3,8V		MON	2.0%	.80*	TTL	10	10	0.0	5.0	30nΔ			275m§		-55	125	1	B04141	M153c
74	B201	3CG	10M	PCB	-3.0	0.0	RCT	7	16	15	10	10n	15n	15n	695m	800m	-20	65	1	B0366	CB31
75	R201#	3F	2.0M	PCB	0.0	-3.0	DTL	12	11	15	10	70n	90n	130n	377m	800m	-20	65	1	B0365	CB31
76	R202	3F	2.0M	PCB	0.0	-3.0	DTL	5	15	15	10	70n	90n	130n	455m	800m	-20	65	2	B0362	CB31
77	R203	3F	2.0M	PCB	0.0	-3.0	DTL	3	15	15	10	70n	90n	130n	517m	800m	-20	65	3	B0362a	CB31
78	R205	3F	2.0M	PCB	0 0	-3 0	DTL	6	13	15	10	70n	110n	130n	485m	800m	-20	65	2	B0364	CB31
79	MC352AF	3F	60M	MON	-.75	-1.6	ECT	5Δ	15	5.2	0	11n	8.0n	8.0n	42m		0	75	1		TO91
80	MC352AG	3F	60M	MON	-.75	-1.6	ECT	5Δ	15	5.2	0	11n	8.0n	8.0n	42m		0	75	1		CN9
81	MC414F	3F	2.5MΔ%	MON	3 5	20	TTL	9	12	0.0	5.0	20n			30mt	1.0	0	75	1	B03136	TO86
82	MC414L,P%	3F	2.5MΔ%	MON	3.5	.20	TTL	9	12	0.0	5.0	20n			30mt	1.0	0	75	1	B03136	TO116
83	MC464F	3F	2.5MΔ%	MON	3.5	.20	TTL	9	6	0.0	5.0	20n			30mt	1.0	0	75	1	B03136	TO86
84	MC464L,P%	3F	2.5MΔ%	MON	3.5	.20	TTL	9	6	0.0	5.0	20n			30mt	1.0	0	75	1	B03136	TO116
85	MC514F	3F	2.5MΔ%	MON	3.5	.20	TTL	9	15	0.0	5.0	20n			30mt	1 0	-55	125	1	B03136	TO86
86	MC514L	3F	2.5MΔ%	MON	3.5	.20	TTL	9	15	0	8	20n			30mt	1.0	-55	125	1	B03136	TO116
87	MC564F	3F	2.5MΔ%	MON	3.5	.20	TTL	9	7	0.0	5.0	20n			30mt	1.0	-55	125	1	B03136	TO86
88	MC564L	3F	2.5MΔ%	MON	3.5	20	TTL	9	7	0	8	20n			30mt	1.0	-55	125	1	B03136	TO116
89	B204	3G	10M	PCB	0.0	-3.0	RCT	1	6	15	10	80n	35n	35n	1.4	800m	-20	65	4	B0367	CB31
90	MGF8	4	2.0M	PCB	5.0	0.0		24	16	0	5	25n			500m	1.0	0	70	8	B04126	CB53
91	MUF3	4	5.0M	PCB	5.0	0.0		27	6	0	5	40n			200m	1.0	0	70	3	B04127	CB53
92	MUF4	4	5.0M	PCB	5.0	0.0		36	8	0	5	40n			275m	1.0	0	70			
93	SP629A	4	10M†%	MON			DTL	6	8	0.0	4.5				40mt	2.0	0	75	1	B0419f	M105ae
94	9111DM	4		MON	1.9%	1.1*	DTL	10		0.0	5.0	75nΔ				1.0 Δ	-55	125	1	B04136	M157
95	9111FM	4		MON	1 9%	1.1*	DTL	10		0.0	5.0	75nΔ				1.0 Δ	-55	125	1	B04136	FP28c
96	SN15950N	4	10MΔ	MON	1.9%	1.1*	DTL	6	8	0.0	5.0	32nΔ			20mt		-55	125	1	B0492	M126a
97	690A	4	5 0MΔ	PCB	2.0%	45*	DTL	7	11	0	5				300m	1.4	0	70	4	B0484a	CB50
98	RM945D	4		MON	2.0%	1.0*	DTL	6	12	0	5.0	40n			35mt	500m	-55	125	1		M105m
99	RM945J	4		MON	2.0%	1.0*	DTL	6	12	0	5.0	40n			35mt	500m	-55	125	1		FP28
100	RM945Q	4		MON	2 0%	1.0*	DTL	6	12	0.0	5.0	40n			35mt	500m	-55	125	1		FP26b
101	RM945T	4		MON	2.0%	1.0*	DTL	6	12	0	5.0	40n			35mt	500m	-55	125	1		TO101
102	RM948D	4		MON	2.0%	1 0*	DTL	6	12	0	5.0	35n			43mt	500m	-55	125	1		M105m
103	RM948J	4		MON	2.0%	1 0*	DTL	6	12	0	5 0	35n			43mt	500m	-55	125	1		FP28
104	RM948Q	4		MON	2.0%	1 0*	DTL	6	12	0	5.0	35n			43mt	500m	-55	125	1		FP26b

4. BINARY OR FLIP - FLOP

IN ORDER OF (1)FLIP-FLOP (2)LOG TYPE (3)LOG LEV'1' (4)LOG LEV'0' (5)MAX FREQ (6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF FLIP-FLOP	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	RM948T	4		MON	2.0%	1.0*	DTL	6	12	0	5.0	35n			43m†	500m	-55	125	1		TO101
2	SN15950	4	7 0MΔ	MON	2.4%	.4*†	DTL	6	16	0	8	32nΔ			20m		-55	125	1	B0492	TO84
3	9111DC	4		MON	2.6%	.40†*	DTL	10	11	0.0	5.0						0	75	1	B04136	TO116
4	9111FC	4		MON	2.6%	.40†*	DTL	10	11	0.0	5.0						0	75	1	B04136	FP28
5	9931FM	4		MON	2.6%	.40†*	DTL	7		0.0	5.0	36n			28m	1.0	-55	125	1	B0487a	FP28
6	SN15850	4	7.0MΔ	MON	2.6%	.45*†	DTL	6	16	0	8	32nΔ			20m†		0	75	1	B0492	TO84
7	SN15850N	4	7.0MΔ	MON	2.6%	.45*†	DTL	6	16	0	8	32nΔ			20m†		0	75	1	B0492	M126
8	N8424A	4	12M†	MON	3.4%	.35*†	DTL	4	9	0	5	60n%Δ		75n	25mΔ	1.4	0	75	2	B04125	TO116
9	N8424F	4	12M†	MON	3.4%	.35†*	DTL	4	9	0.0	5.0	60n%Δ		75n	25mΔ	1.4	0	75	2	B04125	M157
10	N8424J	4	12M†	MON	3.4%	.35*†	DTL	4	9	0	5	60n%Δ		75n	25mΔ	1.4	0	75	2	B04125	TO88
11	N8425A	4	12M†	MON	3.4%	.35*†	DTL	5	9	0	5	60n%Δ		75n	25mΔ	1.4	0	75	2	B04125a	TO116
12	N8425F	4	12M†	MON	3.4%	.35†*	DTL	5	9	0.0	5.0	60n%Δ		75n	25mΔ	1.4	0	75	2	B04125a	M157
13	N8425J	4	12M†	MON	3.4%	.35*†	DTL	5	9	0	5	60n%Δ		75n	25mΔ	1.4	0	75	2	B04125a	TO88
14	S8424A	4	12M†	MON	3.4%	.35*†	DTL	4	9	0	5	60n%Δ		75n	25mΔ	1.4	-55	125	2	B04125	TO116
15	S8424F	4	12M†	MON	3.4%	.35†*	DTL	4	9	0.0	5.0	60n%Δ		75n	25mΔ	1.4	-55	125	2	B04125	M157
16	S8424J	4	12M†	MON	3.4%	.35*†	DTL	4	9	0	5	60n%Δ		75n	25mΔ	1.4	-55	125	2	B04125	TO88
17	S8425A	4	12M†	MON	3.4%	.35*†	DTL	5	9	0	5	60n%Δ		75n	25mΔ	1.4	-55	125	2	B04125a	TO116
18	S8425F	4	12M†	MON	3.4%	.35†*	DTL	5	9	0.0	5.0	60n%Δ		75n	25mΔ	1.4	-55	125	2	B04125a	M157
19	S8425J	4	12M†	MON	3 4%	.35*†	DTL	5	9	0	5	60n%Δ		75n	25mΔ	1.4	-55	125	2	B04125a	TO88
20	SN5101B	4		MON	.30*	2.0%	RCT	5	4	0	8	300nΔ	170n	1.9u	12m†	200m	-55	125	1	B04133	FP22
21	SNR5101	4		MON	.30*	2.0%	RCT	5	4	0	8	300nΔ	170n	1.9u	12m†	200m	-55	125	1	B04133	FP22
22	SN510B	4		MON	.30*	2.5%	RCT	4	4	0	8	300nΔ	170n	1.9u	12m†	500m	-55	125	1	B04132	FP22
23	SNR510	4		MON	.30*	2.5%	RCT	4	4	0	8	300nΔ	170n	1.9u	12m†	500m	-55	125	1	B04132	FP22
24	M206	4	15M	PCB	2.4	.40	TTL	1	10			30n	15n	15n	255m	1.0	0	70	6		
25	SNF30J	4	10M	MON	3.3	.26	TTL	6	15†	0.0	5.0	18n	5.0n	8.0n	30m	900m	-55	125	1	B0442	M157b
26	SNF30W	4	10M	MON	3 3	.26	TTL	6	15†	0.0	5.0	18n	5.0n	8.0n	30m	900m	-55	125	1	B0442	Δ004AF
27	SNF31J	4	10M	MON	3.3	.26	TTL	6	7†	0.0	5.0	18n	5.0n	8.0n	30m	900m	-55	125	1	B0442	M157b
28	SNF31W	4	10M	MON	3.3	.26	TTL	6	7†	0.0	5.0	18n	5.0n	8.0n	30m	900m	-55	125	1	B0442	Δ004AF
29	SNF32J	4	10M	MON	3.3	26	TTL	6	12†	0.0	5.0	18n	5.0n	8.0n	30m	900m	0	75	1	B0442	M157b
30	SNF32W	4	10M	MON	3.3	.26	TTL	6	12†	0.0	5.0	18n	5.0n	8.0n	30m	900m	0	75	1	B0442	Δ004AF
31	SNF33J	4	10M	MON	3.3	.26	TTL	6	6†	0.0	5.0	18n	5.0n	8.0n	30m	900m	0	75	1	B0442	M157b
32	SNF33W	4	10M	MON	3.3	.26	TTL	6	6†	0.0	5.0	18n	5.0n	8.0n	30m	900m	0	75	1	B0442	Δ004AF
33	RF30D	4	15M†	MON	3.4	.20	TTL	4	15	0	5				30m†	1.1	-55	125	1	B0442	M105m
34	RF30K	4	15M†	MON	3.4	.20	TTL	4	15	0	5				30m†	1.1	-55	125	1	B0442	FP21b
35	RF31D	4	15M†	MON	3.4	20	TTL	4	7	0	5				30m†	1.1	-55	125	1	B0442	M105m
36	RF31K	4	15M†	MON	3.4	.20	TTL	4	7	0	5				30m†	1.1	-55	125	1	B0442	FP21b
37	RF32D	4	15M†	MON	3.4	.20	TTL	4	12	0	5				30m†	1.1	0	75	1	B0442	M105m
38	RF32K	4	15M†	MON	3.4	.20	TTL	4	12	0	5				30m†	1.1	0	75	1	B0442	FP21b
39	RF33D	4	15M†	MON	3.4	.20	TTL	4	6	0	5				30m†	1.1	0	75	1	B0442	M105m
40	RF33K	4	15M†	MON	3.4	.20	TTL	4	6	0	5				30m†	1.1	0	75	1	B0442	FP21b
41	RF50D	4	20M†	MON	3 4	20	TTL	6	15	0	5				50m†	1.1	-55	125	1	B0242	M105m
42	RF51D	4	20M†	MON	3.4	.20	TTL	6	7	0	5				50m†	1.1	-55	125	1	B0242	M105m
43	RF51K	4	20M†	MON	3.4	.20	TTL	6	7	0	5				50m†	1.1	-55	125	1	B0242	FP21b
44	MCE945F	4,2		MON	2.6%	.40*†	DTL	7	10	0.0	5.0				60m†		-55	125	1	B0482	TO86
45	MCE948F	4,2		MON	2.6%	.40*†	DTL	7	9	0.0	5.0				70m†		-55	125	1	B0488	TO86
46	D4019	4,2F	5.0M	PCB	2.0%	.95*	DTL	2	11	0.0	5.0	55nΔ			300m	1.0 Δ	0	75	6		
47	SN5111B	4E		MON	.30*	2.0%	RCT	5	20	0	8	50nΔ	225n	2.0u	12m†	200m	-55	125	1	B04133a	TO84
48	SNR5111	4E		MON	.30*	2.0%	RCT	5	20	0	8	350nΔ	225n	2.0u	12m†	200m	-55	125	1	B04133a	TO84
49	SN5112	4E		MON	.30	2.3	RCT	4	16	0	8	400n	500n	2 4u	13m	200m	-55	125	1	B0473	FP22
50	SN5113	4E		MON	30	2.3	RCT	4	16	0	8	400n	500n	2.4u	12.m†	200m	-55	125	1	B0473	FP22
51#	M5945P	4F	7.0M*	MON	1.9%	1.1*	DTL	7	24	0.0	8.0	50n%			48m†	1.0 Δ	0	75	1	B04129	M105j
52#	M5948P	4F	9.0M*	MON	1.9%	1.1*	DTL	7	22	0.0	8.0	40n%			52m†	1.0 Δ	0	75	1	B04129a	M105j
53▼	510	4F	5.0M	PCB	2.0%	.45*	DTL	9	10	0.0	7.0	40n%			320m§		0	70	4	B0294c	CB62
54	D4001	4F	5.0M	PCB	2.0%	.95*	DTL	2	11	0	5	90nΔ			350m	1 0 Δ	0	75	4		
55	MC931F	4F		MON	2.6%	40*	DTL	7	14	0	8	40n			55m†		-55	125	1	B0487	TO86
56	MC945F	4F		MON	2.6%	.40*	DTL	7	10	0.0	5.0	40n			60m†		-55	125	1	B04129	TO86
57	MC945G	4F		MON	2.6%	.40*	DTL	6	10	0	8	40n			60m†		-55	125	1	B04129	TO100
58	MC945L	4F		MON	2.6%	40*	DTL	7	10	0.0	5.0	40n			60m†		-55	125	1	B04129	TO116
59	MC948G	4F		MON	2.6%	.40*	DTL	6	9	0	8	40n			70m†		-55	125	1	B04129a	TO100
60	MC1915F	4F		MON	2.6	.40*†	DTL	10	10	0.0	5.0	40n	10n	10n	65m†		-55	125	1	B04140	TO86
61	MC1915L	4F		MON	2.6%	.40*†	DTL	10	10	0.0	5.0	40n	10n	10n	65m†		-55	125	1	B04140	TO116
62	MC1916F	4F		MON	2.6	.40*†	DTL	10	9	0.0	5.0	40n	10n	10n	75m†		-55	125	1	B04140	TO86
63	MC1916L	4F		MON	2.6%	.40*†	DTL	10	9	0.0	5.0	40n	10n	10n	75m†		-55	125	1	B04140	TO116
64	MC845F	4F		MON	2.6%	.45*	DTL	7	12	0.0	5.0	40n			60m†		0	75	1	B04129	TO86
65	MC845G	4F		MON	2.6%	.45*	DTL	6	12	0	8	40n			60m†		0	75	1	B04129	TO100
66	MC845L,P%	4F		MON	2.6%	.45*	DTL	7	12	0.0	5.0	40n			60m†		0	75	1	B04129	TO116
67	MC848F	4F		MON	2.6%	.45*	DTL	7	11	0.0	5.0	40n			70m†		0	75	1	B04129a	TO86
68	MC848G	4F		MON	2.6%	.45*	DTL	6	11	0	8	40n			70m†		0	75	1	B04129a	TO100
69	MC848L,P%	4F		MON	2.6%	.45*	DTL	7	11	0.0	5.0	40n			70m†		0	75	1	B04129a	TO116
70	MC948F	4F		MON	2.6%	.45*	DTL	7	9	0.0	5.0	40n			70m†		-55	125	1	B04129a	TO86
71	MC948L	4F		MON	2.6%	.45*	DTL	7	9	0.0	5.0	40n			70m†		-55	125	1	B04129a	TO116
72	MC1815F	4F		MON	2.6%	.45*†	DTL	10	12	0.0	5.0	40n	10n	10n	65m†		0	75	1	B04140	TO86
73	MC1815L,P%	4F		MON	2.6%	.45*†	DTL	10	12	0.0	5.0	40n	10n	10n	65m†		0	75	1	B04140	TO116
74	MC1816F	4F		MON	2.6%	.45*†	DTL	10	11	0.0	5.0	40n	10n	10n	75m†		0	75	1	B04140	TO86
75	MC1816L,P%	4F		MON	2.6%	.45*†	DTL	10	11	0.0	5.0	40n	10n	10n	75m†		0	75	1	B04140	TO116
76	SN511B	4F		MON	.30*	2.5%	RCT	4	20	0	8	350nΔ	225n	2.0u	12m†	500m	-55	125	1	B04132a	FP22
77	SNR511	4F		MON	.30*	2.5%	RCT	4	20	0	8	350nΔ	225n	2.0u	12m†	500m	-55	125	1	B04132a	FP22
78	9913HC	4F		MON			RTL	4	6	0.0	3.6	15n					0	70	1	B0452	TO99
79#	SP202A	4F	15MΔ†	MON	.84Δ	.22	RTL	4Δ	3	0.0	8.0	90nΔ			15m†	320m	-55	125	1	B04130a	CN23a
80#	SP204A	4F	15M†	MON	.84Δ	.22	RTL	2	6	0.0	8.0	90nΔ			30m†	320m	-55	125	1	B038e	CN23a
81	SP252A	4F	15M†	MON	.84Δ	.22	RTL	4Δ	3	0	8	90nΔ			15m	320m	-55	125	1	B04130a	FP2
82	SP254A	4F	15M†	MON	84Δ	22	RTL	2	6	0	8	90nΔ			30m	320m	-55	125	1	B038e	FP2
83	SP302A	4F		MON	1.0Δ	.22	RTL	6Δ	4	0	8	30n			45m	320m	-55	125	1	B04130	TO100
84	SP352A	4F		MON	1.0Δ	.22	RTL	6Δ	4	0	8	30n			45m	320m	-55	125	1	B04130	FP2
85	TF20F	4F	20M	MON	3.0	.30	TTL	10	15	0.0	5.0	18n			50m	1.0 Δ	-55	125	1	B0477	FP21c
86	TF20J	4F	20M	MON	3.0	.30	TTL	10	15	0.0	5.0	18n			50m	1.0 Δ	-55	125	1	B0477	TO116
87	TF21F	4F	20M	MON	3.0	.30	TTL	10	7.0	0.0	5.0	18n			50m	1.0 Δ	-55	125	1	B0477	FP21c
88	TF21J	4F	20M	MON	3.0	.30	TTL	10	7.0	0.0	5.0	18n			50m	1.0 Δ	-55	125	1	B0477	TO116
89	TF22F	4F	20M	MON	3.0	.30	TTL	10	15	0 0	5.0	18n			50m	1.0 Δ	0	75	1	B0477	FP21c
90	TF22J	4F	20M	MON	3.0	.30	TTL	10	15	0.0	5.0	18n			50m	1.0 Δ	0	75	1	B0477	TO116
91	TF23F	4F	20M	MON	3.0	.30	TTL	10	7.0	0.0	5.0	18n			50m	1.0 Δ	0	75	1	B0477	FP21c
92	TF23J	4F	20M	MON	3.0	.30	TTL	10	7.0	0 0	5.0	18n			50m	1.0 Δ	0	75	1	B0477	TO116
93	CTR100P/N6PB	5	500k	3DM			MTL	4	5	0.0	6.0	200n			80m			55			M18a
94	CTR100P/N12PB	5	500k	3DM			MTL	4	5	0.0	12	200n			100m			55			M18a
95	CTR100P/N12S	5	500k	3DM			MTL	4	5	0.0	12	200n			100m			100			ZB26
96	CTR100P/N24	5	500k	3DM			MTL	4	5	0.0	24	200n			250m			100			ZB26
97	CTR100P/N24PB	5	500k	3DM			MTL	4	5	0.0	24	200n			150m			100			M18
98	CTR250P/N24PB	5	500k	3DM			MTL	4	5	0.0	24	200n			150m			100			M18
99	CTR500P/N12MSQ	5	500k	3DM			MTL	4	5	0.0	12	200n			200m			55			M18a
100	CTR500P/N12SMSQ	5	500k	3DM			MTL	4	5	0.0	12	200n			200m			100			M18a
101	CTR500P/N24	5	500k	3DM			MTL	4	5	0.0	24	200n			200m			100			ZB26
102	CTR750N12	5	500k	3DM			MTL	4	5	0.0	12	200n			80m			55			M18a
103	CTR750P12MSQ	5	500k	3DM			MTL	4	5	0.0	12	200n			80m			55			M18a
104	9905HC	5		MON			RTL	3	42	0.0	3.6	15n			250m		0	70	1	B0531	TO99
105	MC906F	5		MON	.82%	.57*	RTL	3	8	0	4	22n			36m†		-55	125	1	B0530	TO91

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

4. BINARY OR FLIP - FLOP

IN ORDER OF (1)FLIP-FLOP (2)LOG TYPE (3)LOG LEV'1' (4)LOG LEV'0' (5)MAX FREQ (6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF FLIP-FLOP	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	MC906G	5		MON	.82%	.57*	RTL	3	8	0	4	22n			36m†		-55	125	1	B0530	TO99
2	MC984F	5		MON	.82%	.57*	RTL	3	8	0	4	22n			120m†		-55	125	2	B0530b	TO86
3#	SP212A	5		MON	.84	.22	RTL	2	6	0.0	8.0	120nΔ			40m†	320m	-55	125	1	B0541	CN23a
4	SP259A	5		MON	.84Δ	.22	RTL	1	3	0	8	120nΔ			15m	320m	-55	125	2	B056b	FP2
5	SP262A	5		MON	.84	.22	RTL	2	6	0	8	120nΔ			35m	320m	-55	125	1	B0541	FP2
6#	SP209A	5	15MΔ†	MON	.84Δ	.22	RTL	1	3	0.0	8.0	120nΔ			15m†	320m	-55	125	2	B056b	CN23a
7	MC806F	5		MON	.84%	.55*	RTL	3	8	0	4	22n			36m†		0	100	1	B0530	TO91
8	MC806G	5		MON	.84%	.55*	RTL	3	8	0	4	22n			36m†		0	100	1	B0530	TO99
9	MC883F	5		MON	.84%	.55*	RTL	3	8	0.0	3.6	22nt			110m†		0	75	2	B0531a	TO86
10	MC783F	5		MON	.85%	.46*	RTL	3	26	0.0	3.6	22nt			140m†		15	55	2	B0531a	TO86
11	MC783P	5		MON	.85%	.46*	RTL	3	26	0.0	3.6	22nt			140m†		15	55	2	B0531a	TO116
12	MC883P	5		MON	.88%	.50*	RTL	3	42	0.0	3.6	22nt			140m		0	75	2	B0531a	TO116
13	MC706F	5		MON	1.1	.10	RTL	3	26	0	4	22n			52m†		15	55	1	B0530	TO91
14	MC706G	5		MON	1.1	.10	RTL	3	26	0	4	22n			52m†		15	55	1	B0530	TO99
15	MC884F	5F		MON	.84%	.55*	RTL	3	8	0.0	3.6	22nt			75m†		0	75	2	B0530a	TO86
16	MC784F	5F		MON	.85%	.46*	RTL	3	26	0.0	3.6	22nt			100m†		15	55	2	B0530a	TO86
17	MC784P	5F		MON	.85%	.46*	RTL	3	26	0.0	3.6	22nt			120m†		15	55	2	B0530a	TO116
18	MC884P	5F		MON	.88%	.50*	RTL	3	8	0.0	3.6	22nt			120m†		0	75	2	B0530a	TO116
19	MC905F	5G		MON	.82%	.57*	RTL	3	13	0	4	22n			53m†		-55	125	1	B0531	TO91
20	MC905G	5G		MON	.82%	.57*	RTL	3	13	0	4	22n			53m†		-55	125	1	B0531	TO99
21	MC983F	5G		MON	.82%	.57*	RTL	3	13	0	4	22n			140m†		-55	125	2	B0531a	TO86
22	MC805F	5G		MON	.84%	.55*	RTL	3	13	0	4	22n			53m†		0	100	1	B0531	TO91
23	MC805G	5G		MON	.84%	.55*	RTL	3	13	0	4	22n			53m†		0	100	1	B0531	TO99
24	MC705F	5G		MON	1.1	.10	RTL	3	42	0	4	22n			75m†		15	55	1	B0531	TO91
25	MC705G	5G		MON	1.1	.10	RTL	3	42	0	4	22n			75m†		15	55	1	B0531	TO99
26#	MIC370-1D	6		MON			DTL			0.0	12						-55	125	4		M153a
27#	MIC370-1D1	6		MON			DTL			0.0	15						-55	125	4		M153a
28#	MIC370-5D	6		MON			DTL			0.0	12						-30	85	4		M153a
29#	MIC370-5D1	6		MON			DTL			0.0	15						-30	85	4		M153a
30#	E300D2	6		MON	1.7%	.90*	DTL	7	10	0.0	5.0	250nΔ			5.5m%	450m	-55	125	1	B0619	FP28c
31#	E300D7	6		MON	1.7%	.90*	DTL	7	10	0.0	5.0	250nΔ			5.5m%	450m	-20	100	1	B0619	FP28c
32#	E300F2	6		MON	1.7%	.90*	DTL	7	10	0.0	5.0	250nΔ			5.5m%	450m	-55	125	1	B0619	M105e
33#	E300F7	6		MON	1.7%	.90*	DTL	7	10	0.0	5.0	250nΔ			5.5m%	450m	-20	100	1	B0619	M105e
34▼	511	6	5.0M	PCB	2.0%	45*	DTL	5	10	0.0	7.0	60n%			52m†		0	70	6		CB62
35	HEPC1045P-RT	6		MON	2.60%	.45*†	DTL					40n			60m†		0	75	1	B0627	TO116
36▼	511T	6	20M	PCB	2.0%	.45*	TTL	5	10	0.0	7.0	34n%			60m†		0	70	6		CB62
37	HEPC6007P-RT	6	3.0M†%	MON	3.5%	.50*†	TTL	1		0.0	12		250n	60n	1.0		-10	75	1	B076	M220
38	MFC4040	6	3.0M†%	MON	15.5%	1.0*†	TTL	1		0.0	16		250n†	60n†	1.0		-10	75	1	B076	M220
39	MFC6020	6	3.0M†%	MON	15.5%	1.0*†	TTL	1		0.0	16		250n†	60n†	1.0		-10	75	2	B077	M221
40	MFC6050	6	3.0M†%	MON	15.5%	1.0*†	TTL	1		0.0	16		250n†	60n†	1.0		-10	75	2	B078	M221
41#	SP203A	6F	10MΔØ	MON	.84Δ	.22	RTL	6Δ	3	0.0	8.0	90nΔ			17m†	320m	-55	125	1	B0622	CN23a
42#	SP253A	6F	10MΔØ	MON	.84Δ	.22	RTL	6Δ	3	0.0	8.0	90nΔ			17m†	320m	-55	125	1	B0622	FP2
43#	DN805	7	1.0M	MON	10	.40	RTL	1			16				200m		-20	75			CN70
44	CD4042AD	8		MOS	0.0	10†		6		0.0	10	75n			200m	4.5 Δ	-55	125	1	B0852	Δ002AE
45	CD4042AE	8		MOS	0.0	10†		6		0.0	10	75n			200m	4.5 Δ	-40	85	1	B0852	Δ001AC
46	CD4042AK	8		MOS	0.0	10†		6		0.0	10	75n			200m	4.5 Δ	-55	125	1	B0852	Δ004AG
47	MC14013AL	8		MOS	4.99%	.01*†		4		0.0	5.0	300n	175n	175n	5.0u%	2.2 Δ	-55	125	2	B0845	TO116
48	MC14013CL,P%	8		MOS	4.99%	.01*†		4		0.0	5.0	350n	200n	200n	50u%	2.2 Δ	-40	85	2	B0845	TO116
49#	FZJ131	8	500k%	MON	7.5%	4.5*		2	10	0.0	15				720m	5.0 Δ	0	70	4	B0851	
50#	FZJ135	8	500k%	MON	7.5%	4.5*		2	10	0.0	15				720m	5.0 Δ	-25	85	4	B0851	
51	UL51L#1	8		MOS	-3.5%	-9.0*		5		27	0.0				60m†		0	70	2	B0842	M183a
52#	M5811P	8	100k	MOS	-9.0%	-4.0*		8		30	.30	1.5u%			58m†	2.0 Δ	0	75	1	B0817	M153b
53	CM4042AD	8		MOS	10	0.0†		6		0.0	10	125nΔ	5.0uΔ	5.0uΔ	200m	4.5 Δ	-55	125	1	B0852	M210b
54	CM4042AE	8		MOS	10	0.0†		6		0.0	10	200nΔ	5.0uΔ	5.0uΔ	200m	4.5 Δ	-40	85	1	B0852	M210b
55	SCL4042AD	8		MOS	10	0.0		6	50	0.0	10	75n	15u	15u	200m	4.5	-55	125	4	B0852	Δ001AE
56	SCL4042AE	8		MOS	10	0.0		6	50	0.0	10	75n	15u	15u	200m	4.5	-40	85	4	B0852	Δ001AC
57	SCL4042AF	8		MOS	10	0.0		6	50	0.0	10	75n	15u	15u	200m	4.5	-55	125	4	B0852	Δ001AG
58	CD4013AD	8	10M%Δ	MOS	10	0.0†		4		0.0	10	110nΔ	5.0uΔ	5.0uΔ	20u%	4.5 Δ	-55	125	2	B0823	Δ001AD
59	CD4013AE	8	10M%Δ	MOS	10	0.0†		4		0.0	10	125nΔ	5.0uΔ	5.0uΔ	200u%	4.5 Δ	-40	85	2	B0823	Δ001AB
60	CD4013AK	8	10M%Δ	MOS	10	0.0†		4		0.0	10	110nΔ	5.0uΔ	5.0uΔ	20u%	4.5 Δ	-55	125	2	B0823	Δ004AF
61	CM4013AD	8	10M†Δ	MOS	10	0.0†		4		0.0	10	110nΔ	5.0uΔ	5.0uΔ	200m	4.5 Δ	-55	125	2	B0823	M105av
62	CM4013AE	8	10M†Δ	MOS	10	0.0†		4		0.0	10	125nΔ	5.0uΔ	5.0uΔ	200m	4.5 Δ	-40	85	2	B0823	M105av
63	SCL4013AD	8	10M	MOS	10	0.0		4	50	0.0	10	50n	5.0u	5.0u	20u%	4.5	-55	125			Δ001AD
64	SCL4013AE	8	10M	MOS	10	0.0		4	50	0.0	10	50n	5.0u	5.0u	20u%	4.5	-40	85			Δ001AB
65	SCL4013AF	8	10M	MOS	10	0.0		4	50	0.0	10	50n	5.0u	5.0u	20u%	4.5	-55	125			Δ001af
66	INS4013S	8	16MΔ%	MOS	10	0.0†		4	50	0.0	10	45n%	5.0uΔ	5.0uΔ		4.5 Δ	-55	125	2		
67▼	JANM38510/05101ACA	8	1.0MΔØ	MON	3.65%	1.25*	CMS	4	7	0.0	5.0	550nΔ			200m		-55	125	2	B0823	M314
68▼	JANM38510/05101ADA	8	1.0MΔØ	MON	3.65%	1.25*	CMS	4	7	0.0	5.0	550nΔ			200m		-55	125	2	B0823	FP83
69▼	JANM38510/05101BCA	8	1.0MΔØ	MON	3.65%	1.25*	CMS	4	7	0.0	5.0	550nΔ			200m		-55	125	2	B0823	M314
70▼	JANM38510/05101BDA	8	1.0MΔØ	MON	3.65%	1.25*	CMS	4	7	0.0	5.0	550nΔ			200m		-55	125	2	B0823	FP83
71▼	JANM38510/05101CCA	8	1.0MΔØ	MON	3.65%	1.25*	CMS	4	7	0.0	5.0	550nΔ			200m		-55	125	2	B0823	M314
72▼	JANM38510/05101CDA	8	1.0MΔØ	MON	3.65%	1.25*	CMS	4	7	0.0	5.0	550nΔ			200m		-55	125	2	B0823	FP83
73	HD1A4013-9	8	10M%Δ	MOS	15	0.0	CMS	4		0.0	15	400nΔ			200m		-40	85	2	B0823	TO116
74	HD1A4013-2	8	18M%Δ	MOS	18	0.0	CMS	4		0.0	18	300nΔ			200m		-55	125	2	B0823	TO116
75#	FCJ221#	8	5.0MΔ%	MON	2.2%	.80*	DTL	6	10	0.0	6.0	95n%	105n	120n	300m	1.2 Δ	0	75	4	B0837	M117q
76	370AJ	8		MON	6.5*	5.0%	DTL	5	4	0.0	15	500n			720m†	3.2	-30	70	1	B0617	M319
77	370AL	8		MON	6.5*	5.0%	DTL	5	4	0.0	15	500n			720m†	3.2	-30	70	1	B0617	M200j
78	370BL	8		MON	6.5*	5.0%	DTL	5	4	0.0	12	500n			456m†	3.5	-55	125	1	B0617	M200j
79	370CL	8		MON	6.5*	5.0%	DTL	5	4	0.0	12	500n			456m†	3.5	-30	85	1	B0617	M200j
80	370ML	8		MON	6.5*	5.0%	DTL	5	4	0.0	15	500n			720m†	3.2	-55	125	1	B0617	M200j
81	ITT370-1D	8			6.5	5.0	DTL	2		0.0	12	250nΔ					-55	125	1	B0617	M200d
82	ITT370-5D	8			6.5	5.0	DTL	2		0.0	12	220nΔ					-30	85	1	B0617	M200d
83	SN15370J	8		MON	6.5%	5.0*	DTL	2		0.0	13.5	400nΔ			405m%		-30	85	4	B0847	M153a
84	SN15370N	8		MON	6.5%	5.0*	DTL	2		0.0	13.5	400nΔ			405m%		-30	85	4	B0847	M117
85	370CJ	8		MON	12	.30†	DTL	2	5	0.0	12	220nΔ			760m	4.5	-35	80	4	B0617	M172
86	MC1034F	8		MON			ECT	5	25	5.2	0.0	4.0n			185m		0	75	1	B038y	TO85
87	SW1022F	8	80M	MON	-.75	-1.6	ECT	8	25	5.2	0.0	8.0n	10n	11n	110m†	175m	0	75	1	B087	TO86
88	MC1022P	8		MON	-.85%	-1.5*	ECT	8	25	5.2	0.0	8.0n†	8.5n	11n	110m†		0	75	1	B0821	TO116
89	MC1222F	8		MON	-.85%	-1.5*	ECT	8	25	5.2	0.0	8.0n†	8.5n	11n	110m†		-55	125	1	B0821	TO86
90	MC1222L	8		MON	-.85%	-1.5*	ECT	8	25	5.2	0.0	8.0n†	8.5n	11n	110m†		-55	125	1	B0821	TO116
91	10173F	8	150M	MON	-.85	-1.7	ECT	10	10	5.2	0.0	4.0n	3.5n	3.5n	220m	200m	-30	85	4		M153a
92▼#	GXB10133	8		MON	-.88	-1.7†	ECT	8		5.2	0.0	2.0n%					0	75	1	B0870	M200f
93▼#	GXB10134	8		MON	-.88	-1.7†	ECT	9		5.2	0.0	2.0n%					0	75	2	K301	M200f
94▼#	GXB10173	8		MON	-.88	-1.7†	ECT	10		5.2	0.0	2.0n%					0	75	1	K302	M200f
95	10130F	8	150M		-.88	-1.7	ECT	1	90	5.2	0.0	3.0n	4.5n	4.5n	180m	150m	-30	85	2		
96	10132F	8	150M		-.88	-1.7	ECT	2	90	5.2	0.0	3.0n	4.5n	4.5n	285m	150m	-30	85	2		
97	10134F	8	150M		-.88	-1.7	ECT	2	90	5.2	0.0	3.0n	4.5n	4.5n	285m	150m	-30	85	2		
98	10131F	8	160M		-.88	-1.7	ECT	1	90	5.2	0.0	3.0n	4.5n	4.5n	290m	150m	-30	85	2		
99#	GXB10131	8	160MΔ%	MON	-.88	-1.7	ECT	5		5.2	0.0	3.0n%	2.0n†	2.0n†	230m†		0	75	2	B0833	M200n
100	MC10575L	8		MON	-.93%	-1.6*†	ECT	8		5.2	0.0	2.5n%	2.0n†	2.0n†	400m†		-55	125	1	B0861	M191
101	MC10531F	8	160M†%	MON	-.93%	-1.6*†	ECT	5		5.2	0.0	4.3nΔ	4.5n	4.5n	235m†		-55	125	2	B0833	FP85
102	MC10531L	8	160M†%	MON	-.93%	-1.6*†	ECT	5		5.2	0.0	4.3nΔ	4.5n	4.5n	235m†		-55	125	2	B0833	M191
103	MC10631F	8	225M†%	MON	-.93%	-1.6*†	ECT	5		5.2	0.0	2.0n%	3.1n	3.1n	270m†		-55	125	2	B0833	FP85
104	MC10631L	8	225M†%	MON	-.93%	-1.6*†	ECT	5		5.2	0.0	2.0n%	3.1n	3.1n	270m†		-55	125	2	B0833	M191

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

4. BINARY OR FLIP - FLOP

IN ORDER OF (1)FLIP-FLOP (2)LOG TYPE (3)LOG LEV'1' (4)LOG LEV'0' (5)MAX FREQ (6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF FLIP-FLOP	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	MC1690S	8		MON	-.95%	-1.6*	ECT	4		5.2	0.0	1.5n	1.3n	1.3n	200m†		0	75	1	B0854	FP78
2	MC1668S	8	300M†	MON	-.95%	-1.6†*	ECT	4	70	5.2	0.0	1.8n%	2.5n	2.2n	220m†		0	75	2	B0832	FP78
3	MC1669S	8	300M†	MON	-.95%	-1.6†*	ECT	4	7	5.2	0.0	1.8n%	2.5n	2.2n	220m†		0	75	2	B0832	FP78
4	MC1670S	8	350M†%	MON	-.95%	-1.6*†	ECT	5	70	5.2	0.0	2.3n	2.4n	1.8n	220m†		0	75	1	B03153	FP78
5	MC1671S	8	350M†%	MON	-.95%	-1.6*†	ECT	5	7	5.2	0.0	2.3n	2.4n	1.8n	220m†		0	75	1	B03153	FP78
6	MC1690L	8		MON	-.96%	-1.6*	ECT	4		5.2	0.0	1.5n	1.3n	1.3n	200m†		0	75	1	B0854	M191
7	MC10175L	8		MON	-.96%	-1.6*†	ECT	8		5.2	0.0	3.3n	2.0n†	2.0n†	400m†		-30	85	1	B0861	M191
8	MC10176L	8	150M†%	MON	-.96%	-1.6*†	ECT	7		5.2	0.0	4.0n%	2.0n†	2.0n†	460m†		-30	85	1	B0865	M191
9♦	MC10131L	8	160M†%	MON	-.96%	-1.6*†	ECT	5		5.2	0.0	4.5n	4.5n	4.5n	225m†		-30	85	2	B0833	M191
10▼	MC10131P	8	160M†%	MON	-.96%	-1.6*†	ECT	5		5.2	0.0				235m†		-30	75	2	B0833	M278
11	MC10231L	8	225M†%	MON	-.96%	-1.6*†	ECT	5		5.2	0.0	3.3nΔ	3.1n	3.1n	270m†		-30	85	2	B0833	M191
12	MC10231P	8	225M†%	MON	-.96%	-1.6*†	ECT	5		5.2	0.0	3.3nΔ	3.1n	3.1n	270m†		-30	85	2	B0833	M278
13	MC1668L	8	300M†	MON	-.96%	-1.6†*	ECT	4	70	5.2	0.0	1.8n%	2.5n	2.2n	220m†		0	75	2	B0832	M191
14	MC1669L	8	300M†	MON	-.96%	-1.6†*	ECT	4	7	5.2	0.0	1.8n%	2.5n	2.2n	220m†		0	75	2	B0832	M191
15	MC1670L	8	350M†%	MON	-.96%	-1.6*†	ECT	5	70	5.2	0.0	2.5n	2.5n	1.9n	220m†		0	75	1	B03153	M191
16	MC1671L	8	350M†%	MON	-.96%	-1.6*†	ECT	5	7	5.2	0.0	2.5n	2.5n	1.9n	220m†		0	75	1	B03153	M191
17#	SP1670BE	8	300M†Ø	MON	-.98%	-1.6*	ECT	5		5.2	0.0	2.5nΔ	2.5n	1.9n	250m§		0	75	1	B0864	M184a
18	MC1034P	8	180M†	MON	-2.0%	-.70*†	ECT	5	25	5.2	0.0	4.0n	4.0n	5.0n	240m		0	75	1	B038y	TO116
19	MC1234F	8	180M†	MON	-2.0%	-.70*†	ECT	5	25	5.2	0.0	4.0n	4.0n	5.0n	240m		-55	125	1	B038y	TO86
20	MC1234L	8	180M†	MON	-2.0%	-.70*†	ECT	5	25	5.2	0.0	4.0n	4.0n	5.0n	240m		-55	125	1	B038y	TO116
21	MC913F	8		MON	.75%	.45*	RTL	4	6	0.0	4.0	75n			17m†		55	125	1	B081	TO91
22	MC913G	8		MON	.75%	.45*	RTL	4	6	0 0	4.0	75n			17m†		55	125	1	B081	TO99
23	MC978F	8		MON	.75%	.45*	RTL	4	6	0	4	60n			35m†		55	125	2	B086	TO86
24	MC813F	8		MON	.80%	.46*	RTL	4	6	0	4	75n			24m†		0	75	1	B081	TO91
25	MC813G	8		MON	.80%	.46*	RTL	4	6	0	4	75n			24m†		0	75	1	B081	TO99
26	MC878F	8		MON	.80%	.46*	RTL	4	6	0	4	60n			48m†		0	75	2	B086	TO86
27	MC878P	8	1.0M†	MON	.80%	.46*	RTL	4	6	0	4	48n			35m†		0	75	2	B088	TO116
28	MC778P	8	1.0M†	MON	.85%	.46*	RTL	4	6	0	4	48n			35m†		15	55	2	B088	TO116
29	MC713F	8		MON	1.1	.10	RTL	4	6	0	4	75n			24m†		15	55	1	B081	TO91
30	MC713G	8		MON	1.1	.10	RTL	4	6	0	4	75n			24m†		15	55	1	B081	TO99
31	MC778F	8	1.0M	MON	1.1	.10	RTL	4	6	0	4	60n			48m†		15	55	2	B086	TO86
32#	GTB74S74	8		MON			TTL	4	10	0.0	5.0	3.0n			37mΔ		0	70	2	B0836	
33	RF3220D	8		MON			TTL	1	11	0	5					1.1	-55	125	3		M105m
34	RF3220K	8		MON			TTL	1	11	0	5					1.1	-55	125	3		FP21b
35	RF3222D	8		MON			TTL	1	9	0	5					1.1	0	75	3		M105m
36	RF3222K	8		MON			TTL	1	9	0	5					1.1	0	75	3		FP21b
37	RF3230D	8	60M†	MON			TTL		11	0	5					1.1	-55	125	2		M105m
38	RF3230K	8	60M†	MON			TTL		11	0	5					1.1	-55	125	2		FP21b
39	RF3232D	8	60M†	MON			TTL		9	0	5					1 1	0	75	2		M105m
40	RF3232K	8	60M†	MON			TTL		9	0	5					1.1	0	75	2		FP21b
41#	T110B1-14	8		MON	1.8%	.85*	TTL	4	10	0.0	5.0	50nΔ			120m%	400m	0	75	2	B0827	M105e
42#	T110D1-14	8		MON	1.8%	.85*	TTL	4	10	0.0	5.0	50nΔ			120m%	400m	0	75	2	B0827	M105e
43#	T110F1	8		MON	1.8%	.85*	TTL	4	10	0.0	5.0	50nΔ			120m%	400m	0	75	2	B0827	FP28c
44▼	513T	8	25M	PCB	2.0%	.45*	TTL	4	10	0.0	7.0	40nΔ			258m†		0	70	6		CB62
45▼	JANM38510/02105BAA	8	2.5MΔØ	MON	2.0%	.70*	TTL	4	10	0.0	5.5	200nΔ			22m		-55	125	2	B0846	FP52d
46▼	JANM38510/02105BAC	8	2.5MΔØ	MON	2.0%	.70*	TTL	4	10	0.0	5.5	200nΔ			22m		-55	125	2	B0846	FP52d
47	JANM38510/02105BCB	8	2.5MΔØ	MON	2.0%	.70*	TTL	4	10	0.0	5.5	200nΔ			22m		-55	125	2	B0846	M314
48▼	JANM38510/02105CAA	8	2.5MΔØ	MON	2.0%	.70*	TTL	4	10	0.0	5.5	200nΔ			22m		-55	125	2	B0846	FP52d
49▼	JANM38510/02105CAC	8	2.5MΔØ	MON	2.0%	.70*	TTL	4	10	0.0	5.5	200nΔ			22m		-55	125	2	B0846	FP52d
50	JANM38510/02105CCB	8	2.5MΔØ	MON	2.0%	.70*	TTL	4	10	0.0	5.5	200nΔ			22m		-55	125	2	B0846	M314
51▼#	MIC74L74J	8	3.0MΔ%	MON	2.0%	.70*	TTL	4	20	0.0	5.0	150nΔ			85m†		0	70		B085	TO116
52#	SFC474LE	8	3.0M%Δ	MON	2.0%	.70*	TTL	4	10	0.0	5.0	150nΔ			85m†		0	70	2	B085	TO116
53#	SFC474LEM	8	3.0M%Δ	MON	2.0%	.70*	TTL	4	10	0.0	5.0	150nΔ			85m†		-55	125	2	B085	TO116
54♦	SN54L74J	8	3.0M%Δ	MON	2.0%	.70	TTL	4	20	0.0	5.0	150nΔ			85m†		-55	125	2	B085	M157b
55♦	SN54L74N	8	3.0M%Δ	MON	2.0%	.70	TTL	4	20	0.0	5.0	150nΔ			85m†		-55	125	2	B085	M126e
56♦	SN54L74T	8	3.0M%Δ	MON	2.0%	.70	TTL	4	20	0.0	5.0	150nΔ			85m†		-55	125	2	B085	FP52e
57♦	SN74L74J	8	3.0M%Δ	MON	2.0%	.70*	TTL	4	20	0.0	5.0	150nΔ			85m†		0	70	2	B085	M157b
58♦	SN74L74N	8	3.0M%Δ	MON	2.0%	.70	TTL	4	20	0.0	5.0	150nΔ			85m†		0	70	2	B085	M126e
59♦	SN74L74T	8	3.0M%Δ	MON	2.0%	.70*	TTL	4	20	0.0	5.0	150nΔ			85m†		0	70	2	B085	FP52e
60	DM75L51F	8	15MΔ%		2.0%	.70*	TTL	7		0.0	5.0	120nΔ			180m%		-55	125	1	B0824	FP88
61	DM75L51J	8	15MΔ%		2.0%	.70*	TTL	7		0.0	5.0	120nΔ			180m%		-55	125	1	B0824	M200e
62	DM75L51N	8	15MΔ%		2.0%	.70*	TTL	7		0.0	5.0	120nΔ			180m%		-55	125	1	B0824	M117t
63	DM85L51F	8	15MΔ%		2.0%	.70*	TTL	7		0.0	5.0	120nΔ			180m%		0	70	1	B0824	FP88
64	DM85L51J	8	15MΔ%		2.0%	.70*	TTL	7		0.0	5.0	120nΔ			180m%		0	70	1	B0824	M200e
65	DM85L51N	8	15MΔ%		2.0%	.70*	TTL	7		0.0	5.0	120nΔ			180m%		0	70	1	B0824	M117t
66#	FJB9331	8		MON	2.0%	.80*	TTL	5	10	0.0	5.0	70nΔ			350m†		0	70	1	B0853	M210a
67#	FJJ181-7475	8		MON	2.0%	.80*	TTL	2	10	0.0	5.0	40nΔ			160m†	1.0 Δ	0	70	4	B0839	M117q
68#	FLJ151-7475	8		MON	2.0%	.80*	TTL	2	10	0.0	5.0	40nΔ			265m§	1 0 Δ	0	70	4	B0819	M117w
69#	FLJ155-8475	8		MON	2.0%	.80*	TTL	2	10	0.0	5.0	40nΔ			265m§	1.0 Δ	-25	85	4	B0819	M117w
70#	FLJ531-74174	8		MON	2.0%	.80*	TTL	8	10	0.0	5.0	15n%			177m†	1.0 Δ	0	70	6	B0866	M117w
71#	FLJ535-84174	8		MON	2.0%	.80*	TTL	8	10	0.0	5.0	15n%			177m†	1.0 Δ	-25	85	6	B0866	M117w
72#	FLJ541-74175	8		MON	2.0%	.80*	TTL	6	10	0.0	5.0	15n%			127m†	1.0 Δ	0	70	4	B0849	M117w
73#	FLJ545-84175	8		MON	2.0%	.80*	TTL	6	10	0.0	5.0	15n%			127m†	1.0 Δ	-25	85	4	B0849	M117w
74#	MIC5475J	8		MON	2.0%	.80*	TTL	2	10	0.0	5.0	40nΔ			160m†	400m	-55	125	4	B0625	M153a
75#	MIC6475J	8		MON	2.0%	.80*	TTL	2	10	0.0	5.0	40nΔ			160m†	400m	-40	85	4	B0625	M153a
76#	MIC7475J	8		MON	2.0%	.80*	TTL	2	10	0.0	5.0	40nΔ			160m†	400m	0	75	4	B0625	M153a
77#	MIC7475N	8		MON	2.0%	.80*	TTL	2	10	0.0	5.0	40nΔ			160m†	400m	0	75	4	B0625	M153a
78	N7475B	8		MON	2.0%	.80*	TTL	2	10	0.0	5.0				182m%		0	70	4	B0819	M117h
79	S5475B	8		MON	2.0%	.80*	TTL	2	10	0.0	5.0				192m%		-55	125	4	B0819	M117h
80	SW7475N	8		MON	2.0%	.80*	TTL	2	10	0.0	5.25	40nΔ			160m	1.0	0	70	4	K347	M117
81#	T7475B1	8		MON	2.0%	.80*	TTL	2	20	0.0	5.0	30nΔ			160m†	1.0 Δ	0	70	4		M267
82#	TL7475N	8		MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			278m†		0	70	2	B0625	M117u
83#	TL8475N	8		MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			278m†		-25	85	2	B0625	M117u
84#	TL74100N	8		MON	2.0%	.80*	TTL	10	10	0.0	5 0	30nΔ			556m†		0	70	1	B0859	M186
85	TRW7474	8	25m	MON	2.0%	.80	TTL	4	20	0.0	7.0	24n			43m	1.0	0	70	2	B085	
86▼	RSN54L74H	8	1.0MΔØ	MON	2.0%	.80*	TTL	4		0.0	5.0	150nΔ			15m%		-55	125	2	B0846	FP69b
87	JANM38510/00205BAA	8	10MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	40nΔ			220m		-55	125	2	B0816	FP52d
88▼	JANM38510/00205BAB	8	10MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	40nΔ			220m		-55	125	2	B0816	FP52d
89	JANM38510/00205BAC	8	10MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	40nΔ			220m		-55	125	2	B0816	FP52d
90	JANM38510/00205BCB	8	10MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5 5	40nΔ			220m		-55	125	2	B0816	M314
91	JANM38510/00205BCC	8	10MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	40nΔ			220m		-55	125	2	B0816	M314
92	JANM38510/00205BDB	8	10MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	40nΔ			220m		-55	125	2	B0816	FP80
93	JANM38510/00205BDC	8	10MΔØ	MON	2 0%	.80*	TTL	4	10	0 0	5.5	40nΔ			220m		-55	125	2	B0816	FP80
94	JANM38510/00205CAA	8	10MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	40nΔ			220m		-55	125	2	B0816	FP52d
95▼	JANM38510/00205CAB	8	10MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5 5	40nΔ			220m		-55	125	2	B0816	FP52d

4. BINARY OR FLIP - FLOP

IN ORDER OF (1)FLIP-FLOP (2)LOG TYPE (3)LOG LEV'1' (4)LOG LEV'0' (5)MAX FREQ (6)TYPE No.

LINE No.	[6] TYPE No.	[1] TYPE OF FLIP-FLOP	[5] MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL [3] '1' (V)	LOGIC LEVEL [4] '0' (V)	TYPE [2]	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	JANM38510/00205CAC	8	10MΔØ	MON	2 0%	.80*	TTL	4	10	0.0	5.5	40nΔ			220m		-55	125	2	B0816	FP52d
2	JANM38510/00205CCB	8	10MΔØ	MON	2 0%	.80*	TTL	4	10	0.0	5.5	40nΔ			220m		-55	125	2	B0816	M314
3	JANM38510/00205CCC	8	10MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	40nΔ			220m		-55	125	2	B0816	M314
4	JANM38510/00205CDB	8	10MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	40nΔ			220m		-55	125	2	B0816	FP80
5	JANM38510/00205CDC	8	10MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	40nΔ			220m		-55	125	2	B0816	FP80
6#	FJJ131	8	15MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			85m	400m	0	70	2	B0289	TO116
7#	FJJ131-7474	8	15M	MON	2.0%	.80*	TTL	4	10	0.0	5.0	50nΔ			85mt	1.0 Δ	0	70	2	B0838	M126f
8#	FLJ491-49702	8	15M	MON	2.0%	.80*	TTL	3	10	0.0	5.0	20n			170mt	1.0 Δ	0	70	4	B0863	M117w
9#	FLJ495-49802	8	15M	MON	2.0%	.80*	TTL	3	10	0.0	5.0	20n			170mt	1.0 Δ	-25	85	4	B0863	M117w
10▼	RSN5474H	8	20MΔØ	MON	2.0%	.80*	TTL	4		0.0	5.0	150nΔ			140m%		-55	125	2	B0846	FP69b
11♦	TF80F	8	20Mt	MON	2.0%	.80*	TTL	4		0.0	5.0	28n			240m%	400m	-55	125	2		
12♦	TF80J	8	20Mt	MON	2.0%	.80*	TTL	4		0.0	5.0	28n			240m%	400m	-55	125	2		
13	TF81F	8	20Mt%	MON	2.0%	80*	TTL	4	10	0.0	5.0	20n	5.0nt	3.0nt	96mt		-55	125	2	B0868	TO86
14	TF81J	8	20Mt%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	20n	5.0nt	3.0nt	96mt		-55	125	2	B0868	M157c
15♦	TF82F	8	20Mt	MON	2.0%	.80*	TTL	4		0.0	5.0	28n			240m%	400m	0	75	2		
16♦	TF82J	8	20Mt	MON	2.0%	.80*	TTL	4		0.0	5.0	28n			240m%	400m	0	75	2		
17	TF83F	8	20Mt%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	20n	5.0nt	3.0nt	150mt		0	75	2	B0868	TO86
18	TF83J	8	20Mt%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	20n	5.0nt	3.0nt	150mt		0	75	2	B0868	M157c
19#	M5374P	8	23M*	MON	2.0%	.80*	TTL	4	20	0.0	7.0	25n%			42mt	1.0 Δ	0	75	2	B085	M105j
20▼	5519	8	25MΔ	PCB	2.0%	.80*	TTL	10	10	0.0	5.0	29n%			750mt		0	70	12		CB62
21▼	BL5474Y	8	25M%	MON	2.0%	.80*	TTL	4		0.0	5.0	40nΔ			85m%		-55	125	2	B0846a	FC10
22▼	BL7474Y	8	25M%	MON	2.0%	.80*	TTL	4		0.0	5.0	40nΔ			85m%		0	70	2	B0846a	FC10
23	DM7551D	8	25M%Δ	MON	2.0%	.80*	TTL	7	10	0.0	5.0	32n			360m%	1.0	-55	125	1	B0824	M146
24	DM8551N	8	25M%Δ	MON	2.0%	.80*	TTL	7	10	0.0	5.0	32n			360m%	1.0	0	70	1	B0824	M117e
25#	FLJ141-7474	8	25MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			150m§	1.0 Δ	0	70	2	B0840	M126p
26#	FLJ145-8474	8	25MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			150m§	1.0 Δ	-25	85	2	B0840	M126p
27	I768	8	25M	PCB	2.0	.80	TTL	4	20	0.0	7.0	24n			172m	1.0	0	70	16		CBØ
28	ITT5474J	8	25MΔ%		2.0%	.80*	TTL	4	20	0.0	5.0	20n			20mt		-55	125	2	B0816	M157
29	ITT7474J	8	25MΔ%		2.0%	.80*	TTL	4	20	0.0	5.0	20n			20mt		0	70	2	B0816	M157
30#	M53274P	8	25M%	MON	2.0%	80*	TTL	4	20	0.0	7.0	24n%			42mt	1.0 Δ	0	75	2	B085	M105j
31#	MIC5474J	8	25MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			85mt	400m	-55	125	2	B0836	TO116
32#	MIC6474J	8	25MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			85mt	400m	-40	85	2	B0836	TO116
33#	MIC7474J	8	25MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			85mt	400m	0	75	2	B0836	TO116
34#	MIC7474N	8	25MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			85mt	400m	0	75	2	B0836	TO116
35#	MIC54174J	8	25MΔ	MON	2.0%	.80*	TTL	8	20	0.0	5.0	17n%			225m%	1.0 Δ	-55	125	6	B0866	M153a
36#	MIC54175J	8	25MΔ	MON	2.0%	.80*	TTL	6	20	0.0	5.0	17n%			150m%	1.0 Δ	-55	125	4	B0849	M153a
37#	MIC64174J	8	25MΔ	MON	2.0%	.80*	TTL	8	20	0.0	5.0	17n%			225m%	1.0 Δ	-40	85	6	B0866	M153a
38#	MIC64175J	8	25MΔ	MON	2.0%	.80*	TTL	6	20	0.0	5.0	17n%			150m%	1.0 Δ	-40	85	4	B0849	M153a
39#	MIC74174J	8	25MΔ	MON	2.0%	.80*	TTL	8	20	0.0	5.0	17n%			225m%	1.0 Δ	0	75	6	B0866	M153a
40#	MIC74174N	8	25M	MON	2.0%	.80*	TTL	8	20	0.0	5.0	17n%			225m%	1.0 Δ	0	75	6	B0866	M153a
41#	MIC74175J	8	25MΔ	MON	2.0%	.80*	TTL	6	20	0.0	5.0	17n%			150m%	1.0 Δ	0	75	4	B0849	M153a
42#	MIC74175N	8	25M	MON	2.0%	.80*	TTL	6	20	0.0	5.0	17n%			150m%	1.0 Δ	0	75	4	B0849	M153a
43	N7474A	8	25M%Δ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	20n			145m%		0	70	2	B085	M105q
44	N7474J	8	25M%Δ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	20n			145m%		0	70	2	B085	TO88
45	NC7474N	8	25M%	MON	2.0%	.80*	TTL	4	20	0.0	7.0	24n%			43mΔ	1.0	0	70	2		TO116
46	S5474A	8	25M%Δ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	20n			154m%		-55	125	2	B085	M105q
47	S5474J	8	25M%Δ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	20n			154m%		-55	125	2	B085	TO88
48#	SFC474E	8	25M%	MON	2.0%	.80*	TTL	4	20	0.0	5.25	40nΔ			43mΔ	1.0 Δ	0	70	2	B085	TO116
49#	SFC474EM	8	25M%	MON	2.0%	.80*	TTL	4	20	0.0	5.5	40nΔ			43mΔ	1.0 Δ	-55	125	2	B085	TO116
50#	SFC474ET	8	25M%	MON	2.0%	.80*	TTL	4	20	0.0	5.25	40nΔ			43mΔ	1.0 Δ	-25	85	2	B085	TO116
51#	SFC474EV	8	25M%	MON	2.0%	.80*	TTL	4	20	0.0	5.25	40nΔ			43mΔ	1.0 Δ	-40	85	2	B085	TO116
52#	SFC474PM	8	25M%Δ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ				1.0 Δ	-55	125	2	B085	TO85
53#	SFC4174E	8	25MΔ	MON	2.0%	.80*	TTL	8	10	0.0	5.0	35nΔ			225m%	1.0 Δ	0	70	6	B0866	M117
54#	SFC4174EM	8	25MΔ	MON	2.0%	.80*	TTL	8	10	0.0	5 0	35nΔ			225m%	1.0 Δ	-55	125	6	B0866	M117
55#	SFC4174ET	8	25MΔ	MON	2.0%	.80*	TTL	8	10	0.0	5.0	35nΔ			225m%	1.0 Δ	-25	85	6	B0866	M117
56#	SFC4175E	8	25MΔ	MON	2.0%	80*	TTL	6	10	0.0	5.0	35nΔ			150m%	1.0 Δ	0	70	4	B0849	M117
57#	SFC4175EM	8	25MΔ	MON	2.0%	.80*	TTL	6	10	0.0	5.0	35nΔ			150m%	1.0 Δ	-55	125	4	B0849	M117
58#	SFC4175ET	8	25MΔ	MON	2.0%	.80*	TTL	6	10	0.0	5.0	35nΔ			150m%	1.0 Δ	-25	85	4	B0849	M117
59♦	SN5474J	8	25M%Δ	MON	2.0%	.80*	TTL	4	20	0.0	5.0	40nΔ				1.0 Δ	-55	125	2	B085	M157b
60	SN5474N	8	25M%	MON	2.0%	.80*	TTL	4	20	0.0	5.5	24n%			43mΔ	1.0	-55	125	2	B085	M75a
61♦	SN5474W	8	25M%Δ	MON	2.0%	.80*	TTL	4	20	0.0	5.0	40nΔ				1.0 Δ	-55	125	2	B085	Δ004AA
62#	SN6474N	8	25M%	MON	2.0%	.80*	TTL	4	20	0.0	7 0	24n%			43mt	1.0	-40	85	2	B085	M75a
63♦	SN7474J	8	25MΔ%	MON	2.0%	.80*	TTL	4	10	0	7	45nΔ			130m	1.0	0	70	2		M157b
64♦	SN7474N	8	25MΔ%	MON	2.0%	.80*	TTL	4	20	0.0	7.0	24n%			43mΔ	1.0	0	70	2	B085	M126e
65♦	SN54174J	8	25MΔ	MON	2.0%	.80*	TTL	8	20	0.0	5.0	35nΔ			225m%	1.0 Δ	-55	125	6	B0866	M153d
66	SN54174N	8	25MΔ	MON	2.0%	.80*	TTL	8	20	0.0	5.0	35nΔ			225m%	1.0 Δ	-55	125	6	B0866	M117
67	SN54174W	8	25MΔ	MON	2.0%	.80*	TTL	8	20	0.0	5.0	35nΔ			225m%	1.0 Δ	-55	125	6	B0866	Δ004AG
68♦	SN54175J	8	25MΔ	MON	2.0%	.80*	TTL	6	20	0.0	5.0	35nΔ			150m%	1.0 Δ	-55	125	4	B0849	M153d
69	SN54175N	8	25MΔ	MON	2.0%	.80*	TTL	6	20	0.0	5.0	35nΔ			225m%	1.0 Δ	-55	125	4	B0849	M117
70♦	SN54175W	8	25MΔ	MON	2.0%	.80*	TTL	8	20	0.0	5.0	35nΔ			150m%	1.0 Δ	-55	125	4	B0849	Δ004AG
71♦	SN74174J	8	25MΔ	MON	2.0%	.80*	TTL	8	20	0.0	5.0	35nΔ			225m%	1.0 Δ	0	70	6	B0866	M153d
72♦	SN74174N	8	25MΔ	MON	2.0%	.80*	TTL	8	20	0.0	5 0	35nΔ			225m%	1.0 Δ	0	70	6	B0866	M117x
73	SN74174W	8	25MΔ	MON	2.0%	.80*	TTL	6	20	0.0	5.0	35nΔ			150m%	1.0 Δ	0	70	6	B0866	Δ004AG
74♦	SN74175J	8	25MΔ	MON	2.0%	80*	TTL	6	20	0.0	5.0	35nΔ			150m%	1.0 Δ	0	70	4	B0849	M153d
75♦	SN74175N	8	25MΔ	MON	2.0%	.80*	TTL	6	20	0.0	5.0	35nΔ			150m%	1.0 Δ	0	70	4	B0849	M117x
76	SN74175W	8	25MΔ	MON	2.0%	.80*	TTL	6	20	0.0	5.0	35nΔ			150m%	1.0 Δ	0	70	4	B0849	Δ004AG
77	SW5474J	8	25M%	MON	2.0%	.80*	TTL	4	20	0.0	5.5	24n%			43m	1.0	-55	125	2	B085	M114
78	SW7474J	8	25M%	MON	2.0%	.80*	TTL	4	20	0.0	5.25	24n%			43m	1.0	0	70	2	B085	M114
79	SW7474N	8	25M%	MON	2.0%	.80*	TTL	4	20	0.0	5 25	24n%			43m	1.0	0	70	2	B085	M105n
80#	T7474B1	8	25M%	MON	2.0%	.80*	TTL	4	20	0.0	5.0	40nΔ			43mΔ	1.0	0	70	2	B0836	M126f
81#	TL7474N	8	25Mt%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			157mt		0	70	2	B0836	M126n
82#	TL8474N	8	25Mt%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ			157mt		-25	85	2	B0836	M126n
83	US5474A	8	25MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0		18n	8.0n			-55	125	2	B0816	M105b
84	US5474J	8	25MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0		18n	8.0n			-55	125	2	B0816	TO88
85	US7474A	8	25MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0		18n	8.0n			0	70	2	B0816	M105b
86	US7474J	8	25MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5 0		18n	8.0n			0	70	2	B0816	TO88
87	JANM38510/02203BAA	8	28MΔØ	MON	2.0%	.80*	TTL	4	20	0.0	5.5	38nΔ	15nØ		250m		-55	125	2	B0816	FP52d
88	JANM38510/02203BAB	8	28MΔØ	MON	2.0%	80*	TTL	4	20	0.0	5.5	38nΔ	15nØ		250m		-55	125	2	B0816	FP52d
89	JANM38510/02203BAC	8	28MΔØ	MON	2.0%	.80*	TTL	4	20	0.0	5.5	38nΔ	15nØ		250m		-55	125	2	B0816	FP52d
90	JANM38510/02203BCB	8	28MΔØ	MON	2.0%	.80*	TTL	4	20	0.0	5.5	38nΔ	15nØ		250m		-55	125	2	B0816	M314
91	JANM38510/02203BCC	8	28MΔØ	MON	2 0%	.80*	TTL	4	20	0.0	5.5	38nΔ	15nØ		250m		-55	125	2	B0816	M314
92	JANM38510/02203BDB	8	28MΔØ	MON	2.0%	.80*	TTL	4	20	0.0	5.5	38nΔ	15nØ		250m		-55	125	2	B0816	FP83
93	JANM38510/02203BDC	8	28MΔØ	MON	2.0%	.80*	TTL	4	20	0.0	5.5	38nΔ	15nØ		250m		-55	125	2	B0816	FP83
94	JANM38510/02203CAA	8	28MΔØ	MON	2.0%	.80*	TTL	4	20	0.0	5.5	38nΔ	15nØ		250m		-55	125	2	B0816	FP52d
95	JANM38510/02203CAB	8	28MΔØ	MON	2 0%	80*	TTL	4	20	0 0	5.5	38nΔ	15nØ		250m		-55	125	2	B0816	FP52d

4. BINARY OR FLIP - FLOP

IN ORDER OF (1)FLIP-FLOP (2)LOG TYPE (3)LOG LEV'1' (4)LOG LEV'0' (5)MAX FREQ (6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF FLIP-FLOP	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	JANM38510/02203CAC	8	28MΔØ	MON	2 0%	.80*	TTL	4	20	0.0	5.5	38nΔ	15nØ		250m		-55	125	2	B0816	FP52d
2	JANM38510/02203CCB	8	28MΔØ	MON	2.0%	.80*	TTL	4	20	0.0	5.5	38nΔ	15nØ		250m		-55	125	2	B0816	M314
3	JANM38510/02203CCC	8	28MΔØ	MON	2.0%	.80*	TTL	4	20	0.0	5.5	38nΔ	15nØ		250m		-55	125	2	B0816	M314
4	JANM38510/02203CDB	8	28MΔØ	MON	2.0%	.80*	TTL	4	20	0.0	5.5	38nΔ	15nØ		250m		-55	125	2	B0816	FP83
5	JANM38510/02203CDC	8	28MΔØ	MON	2.0%	.80*	TTL	4	20	0.0	5.5	38nΔ	15nØ		250m		-55	125	2	B0816	FP83
6▼	RSN54H74H	8	30MΔØ	MON	2.0%	80*	TTL	4		0.0	5.0	150nΔ			225m%		-55	125	2	B0846	FP69b
7▼	SN54LS174J	8	30MΔ	MON	2.0%	.80*	TTL	8	20	0.0	5.0	35nΔ			65m%		-55	125	6	B0866	M153d
8▼	SN54LS174N	8	30MΔ	MON	2.0%	.80*	TTL	8	20	0.0	5.0	35nΔ			65m%		-55	125	6	B0866	M117x
9▼	SN54LS174W	8	30MΔ	MON	2.0%	.80*	TTL	8	20	0.0	5.0	35nΔ			65m%		-55	125	6	B0866	Δ004AG
10▼	SN54LS175J	8	30MΔ	MON	2.0%	.80*	TTL	6	20	0.0	5.0	35nΔ			65m%		-55	125	4	B0867	M153d
11▼	SN54LS175N	8	30MΔ	MON	2.0%	.80*	TTL	6	20	0.0	5.0	35nΔ			65m%		-55	125	4	B0867	M117x
12▼	SN54LS175W	8	30MΔ	MON	2.0%	.80*	TTL	6	20	0.0	5.0	35nΔ			65m%		-55	125	4	B0867	Δ004AG
13▼	SN74LS174J	8	30MΔ	MON	2.0%	.80*	TTL	8	20	0.0	5.0	35nΔ			65m%		0	70	6	B0866	M153d
14▼	SN74LS174N	8	30MΔ	MON	2.0%	.80*	TTL	8	20	0.0	5.0	35nΔ			65m%		0	70	6	B0866	M117x
15▼	SN74LS174W	8	30MΔ	MON	2.0%	.80*	TTL	8	20	0.0	5.0	35nΔ			65m%		0	70	6	B0666	Δ004AG
16▼	SN74LS175J	8	30MΔ	MON	2.0%	.80*	TTL	6	20	0.0	5.0	35nΔ			65m%		0	70	4	B0867	M153d
17▼	SN74LS175N	8	30MΔ	MON	2.0%	.80*	TTL	6	20	0.0	5.0	35nΔ			65m%		0	70	4	B0667	M117x
18▼	SN74LS175W	8	30MΔ	MON	2.0%	.80*	TTL	6	20	0.0	5 0	35nΔ			65m%		0	70	4	B0667	Δ004AG
19#	GJJ131	8	35MØ		2.0%	.80*	TTL	4	10	0.0	5.0	30nΔ			150m†		0	70	2	B0836	M126n
20#	MIC74H74J	8	35M%	ΔMON	2.0%	.80	TTL	4	20	0.0	5.0	30nΔ			150m†	1.0 Δ	0	75	2	B085	M157
21	N74H74A	8	35MΔ	ØMON	2.0%	.80*	TTL	4	20	0.0	5.0	30nΔ					0	75	2	B0831	TO116
22	N74H74Q	8	35MΔ	ØMON	2.0%	.80*	TTL	4	20	0.0	5.0	30nΔ					0	75	2	B0831	TO88
23	S54H74A	8	35MΔ	ØMON	2.0%	.80*	TTL	4	20	0.0	5.0	30nΔ					-55	125	2	B0831	TO116
24	S54H74Q	8	35MΔ	ØMON	2.0%	.80*	TTL	4	20	0.0	5.0	30nΔ					-55	125	2	B0831	TO88
25#	SFC474HE	8	35M%	ΔMON	2.0%	.80*	TTL	4	10	0.0	5.0	30nΔ			150m†		0	70	2	B0831	TO116
26#	SFC474HEM	8	35M%	ΔMON	2.0%	.80*	TTL	4	10	0.0	5.0	30nΔ			150m†		-55	125	2	B0831	TO116
27#	SFC474HPM	8	35M%	ΔMON	2.0%	.80*	TTL	4	10	0.0	5 0	30nΔ			150m†		-55	125	2	B0831	TO85
28♦	SN54H74J	8	35M%	ΔMON	2.0%	.80	TTL	4	20	0.0	5.0	30nΔ			150m†		-55	125	2	B085	M157b
29	SN54H74N	8	35M%	ΔMON	2.0%	.80	TTL	4	20	0.0	5.0	30nΔ			150m†		-55	125	2	B085	M126a
30♦	SN54H74W	8	35M%	ΔMON	2 0%	80*	TTL	4	20	0.0	5.0	30nΔ			150m†		-55	125	2	B085	Δ004AA
31♦	SN74H74J	8	35M%	ΔMON	2.0%	.80	TTL	4	20	0.0	5.0	30nΔ			150m†		0	70	2	B085	M157b
32♦	SN74H74N	8	35M%	ΔMON	2.0%	.80	TTL	4	20	0.0	5.0	30nΔ			150m†		0	70	2	B085	M126e
33	SN74H74W	8	35M%	ΔMON	2.0%	.80*	TTL	4	20	0.0	5.0	30nΔ			150m†		0	70	2	B085	TO84
34▼	SN74273N	8	35MΔ%	MON	2.0%	.80*	TTL	10	10	0.0	5.0	21n			310m%	1.0 Δ	0	70	8	B0869	
35▼	TF90F	8	35Mt	MON	2.0%	.80*	TTL	4		0.0	5.0	20n			375m%	400m	-55	125	2		
36▼	TF90J	8	35Mt	MON	2.0%	.80*	TTL	4		0.0	5.0	20n			375m%	400m	-55	125	2		
37▼	TF91F	8	35Mt	MON	2.0%	.80*	TTL	4		0.0	5.0	20n			375m%	400m	-55	125	2		
38▼	TF91J	8	35Mt	MON	2.0%	.80*	TTL	4		0.0	5.0	20n			375m%	400m	-55	125	2		
39▼	TF92F	8	35Mt	MON	2.0%	.80*	TTL	4		0.0	5.0	20n			375m%	400m	-55	125	2		
40▼	TF92J	8	35Mt	MON	2.0%	.80*	TTL	4		0.0	5.0	20n			375m%	400m	-55	125	2		
41▼	TF93F	8	35Mt	MON	2.0%	.80*	TTL	4		0.0	5.0	20n			375m%	400m	-55	125	2		
42▼	TF93J	8	35Mt	MON	2.0%	.80*	TTL	4		0.0	5.0	20n			375m%	400m	-55	125	2		
43	US54H74A	8	40MΔ%	MON	2.0%	.80*	TTL	4	20	0.0	5.0	30nΔ	10n	10n			-55	125	2	B0831	M105af
44	US54H74J	8	40MΔ%	MON	2.0%	.80*	TTL	4	20	0.0	5.0	30nΔ	10n	10n			-55	125	2	B0831	TO88
45	US74H74A	8	40MΔ%	MON	2.0%	.80*	TTL	4	20	0.0	5.0	30nΔ	10n	10n			0	70	2	B0831	M105af
46	US74H74J	8	40MΔ%	MON	2.0%	.80*	TTL	4	20	0.0	5.0	30nΔ	10n	10n			0	70	2	B0831	TO88
47▼	AM25S07DC	8	75M	MON	2.0	.80	TTL	8	10	0	5.0	10nt			600m	1.0	0	70	6		
48▼	AM25S07DM	8	75M	MON	2.0	.80	TTL	8	10	0	5.0	10nt			600m	1.0	-55	125	6		
49▼	AM25S07FM	8	75M	MON	2.0	.80	TTL	8	10	0	5.0	10nt			600m	1.0	-55	125	6		
50▼	AM25S07PC	8	75M	MON	2.0	.80	TTL	8	10	0	5.0	10nt			600m	1.0	0	70	6		
51▼	AM25S08DC	8	75M	MON	2.0	.80	TTL	6	10	0	5.0	10nt			600m	1.0	0	70	4		
52▼	AM25S08DM	8	75M	MON	2.0	.80	TTL	6	10	0	5.0	10nt			600m	1.0	-55	125	4		
53▼	AM25S08FM	8	75M	MON	2.0	.80	TTL	6	10	0	5.0	10nt			600m	1.0	-55	125	4		
54▼	AM25S08PC	8	75M	MON	2.0	.80	TTL	6	10	0	5.0	10nt			600m	1.0	0	70	4		
55▼	AM25S09DC	8	75M	MON	2.0	.80	TTL	10	10	0	5.0	10nt			600m	1.0	0	70	4		
56▼	AM25S09DM	8	75M	MON	2.0	80	TTL	10	10	0	5.0	10nt			600m	1.0	-55	125	4		
57▼	AM25S09FM	8	75M	MON	2.0	.80	TTL	10	10	0	5.0	10nt			600m	1.0	-55	125	4		
58▼	AM25S09PC	8	75M	MON	2.0	.80	TTL	10	10	0	5.0	10nt			600m	1.0	0	70	4		
59♦	SN54S174J	8	75MΔ	MON	2.0%	.80*	TTL	8	10	0.0	5.0	13n%			450mt		-55	125	6	B0866	M153d
60	SN54S174W	8	75MΔ	MON	2.0%	.80*	TTL	8	10	0.0	5.0	13n%			450mt		-55	125	6	B0866	Δ004AG
61♦	SN54S175J	8	75MΔ	MON	2.0%	.80*	TTL	6	10	0.0	5.0	13n%			300mt		-55	125	4	B0849	M153d
62	SN54S175W	8	75MΔ	MON	2.0%	.80*	TTL	6	10	0.0	5.0	13n%			300mt		-55	125	4	B0849	Δ004AG
63♦	SN74S174J	8	75MΔ	MON	2.0%	.80*	TTL	8	10	0.0	5.0	13n%			450mt		0	70	6	B0866	M153d
64♦	SN74S174N	8	75MΔ	MON	2.0%	.80*	TTL	8	10	0.0	5.0	13n%			450mt		0	70	6	B0866	M117x
65♦	SN74S175J	8	75MΔ	MON	2.0%	.80*	TTL	6	10	0.0	5.0	13n%			300mt		0	70	4	B0849	M153d
66♦	SN74S175N	8	75MΔ	MON	2.0%	.80*	TTL	6	10	0.0	5.0	13n%			300mt		0	70	4	B0849	M117x
67	SN54S74J	8	110MΔ%	MON	2.0%	.80*	TTL	4	20	0.0	5.0	9.0n			150mt	1.0 Δ	-55	125	2	B0836	M157b
68	SN54S74N	8	110MΔ%	MON	2.0%	.80*	TTL	4	20	0.0	5.0	9.0nΔ			150mt	1.0	-55	125	2	B0836	M126e
69	SN54S74W	8	110MΔ%	MON	2.0%	.80*	TTL	4	20	0.0	5.0	9.0nΔ			150mt	1.0	-55	125	2	B0836	Δ004AA
70	SN74S74J	8	110MΔ%	MON	2.0%	.80*	TTL	4	20	0.0	5.0	9.0n			150mt	1.0 Δ	0	70	2	B0836	M157b
71	SN74S74N	8	110MΔ%	MON	2.0%	.80*	TTL	4	20	0.0	5.0	9.0nΔ			150mt	1.0	0	70	2	B0836	M126e
72	SN74S74W	8	110MΔ%	MON	2.0%	.80*	TTL	4	20	0.0	5.0	9.0nΔ			150mt	1.0	0	70	2	B0836	Δ004AA
73	T54S174F	8	110MΔ%	MON	2.0%	.80*	TTL	8	20	0.0	5.0	12n			450m§		-55	125	1	B0866	FP101
74	T54S174J	8	110MΔ%	MON	2.0%	.80*	TTL	8	20	0.0	5.0	12n			450m§		-55	125	1	B0866	M352
75	T54S175F	8	110MΔ%	MON	2.0%	.80*	TTL	6	20	0.0	5.0	12n			450m§		-55	125	1	B0867	FP101
76	T54S175J	8	110MΔ%	MON	2.0%	.80*	TTL	6	20	0.0	5.0	12n			450m§		-55	125	1	B0867	M352
77	T74S174F	8	110MΔ%	MON	2 0%	.80*	TTL	8	20	0 0	5 0	12n			450m§		0	70	1	B0866	FP101
78	T74S174J	8	110MΔ%	MON	2.0%	.80*	TTL	8	20	0.0	5.0	12n			450m§		0	70	1	B0866	M352
79	T74S175F	8	110MΔ%	MON	2.0%	.80*	TTL	6	20	0.0	5.0	12n			450m§		0	70	1	B0867	FP101
80	T74S175J	8	110MΔ%	MON	2.0%	.80*	TTL	6	20	0.0	5.0	12n			450m§		0	70	1	B0867	M352
81	TF54S74F	8	110MΔ%	MON	2.0%	.80*	TTL	4	20	0.0	5.0	9.0nΔ			250m§		-55	125	2	B0846	TO86
82	TF54S74J	8	110MΔ%	MON	2.0%	.80*	TTL	4	20	0.0	5.0	9.0nΔ			250m§		-55	125	2	B0846	M157c
83	TF74S74F	8	110MΔ%	MON	2.0%	.80*	TTL	4	20	0.0	5.0	9.0nΔ			250m§		0	70	2	B0846	TO86
84	TF74S74J	8	110MΔ%	MON	2.0%	.80*	TTL	4	20	0.0	5.0	9.0nΔ			250m§		0	70	2	B0846	M157c
85	MC3153F	8		MON	2.4%	.40*†	TTL	10	10	0.0	5.0				100mt		-55	125	1	B0828	TO86
86	MC3153L	8		MON	2.4%	40*†	TTL	10	10	0.0	5.0				100mt		-55	125	1	B0828	TO116
87	MC54100F	8		MON	2.4%	.40*†	TTL	5	10	0.0	5.0				320mt		-55	125	2	B0862	FP91
88	MC54100L	8		MON	2.4%	.40*†	TTL	5	10	0.0	5.0				320mt		-55	125	2	B0862	M291
89	MC74100F	8		MON	2.4%	.40*†	TTL	5	10	0.0	5.0	30n%			320mt		0	75	2	B0862	FP91
90	MC74100L	8		MON	2.4%	.40*†	TTL	5	10	0.0	5.0	30n%			320mt		0	75	2	B0862	M291
91	MC74100P	8		MON	2.4%	.40*†	TTL	5	10	0.0	5.0	30n%			320mt		0	75	2	B0862	M237
92	MC3160F	8	30Mt	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	17nΔ			120m		-55	125	2	B0810	TO86
93	MC3160L	8	30Mt%	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	17nΔ			120mt	700m	-55	125	2	B0810	TO116
94	MC5479F	8	30M%	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	16n			84mt		-55	125	2	B0810b	TO86
95	MC5479L	8	30M%	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	16n			84mt		-55	125	2	B0810	TO116
96	MC7479F	8	30M%	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	16n			84mt		0	70	2	B0810b	TO86
97	MC7479L,P%	8	30M%	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	16n			84mt		0	70	2	B0810	TO116
98	MCB5479F	8	30M%	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	16n			84mt		-55	125	2	B0810c	TO86
99	MCBC5479	8	30M%	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	16n			84mt		-55	125	2	B0810c	FC3
100	MC54H74AF	8	35Mt	ØMON	2.4%	.40*†	TTL	4	10	0.0	5.0	16n%			84mt		-55	125	2	B0858	TO86
101	MC54H74AL	8	35Mt	ØMON	2.4%	.40*†	TTL	4	10	0.0	5.0	16n%			84mt		-55	125	2	B0858	TO116
102	MC74H74AF	8	35Mt	ØMON	2.4%	.40*†	TTL	4	10	0.0	5.0	16n%			84mt		0	75	2	B0858	TO86
103	MC74H74AL,P%	8	35Mt	ØMON	2.4%	.40*†	TTL	4	10	0.0	5.0	16n%			84mt		0	75	2	B0858	TO116
104	N8T10B	8	50M%	MON	2.4%	.40t*	TTL	10	20	0.0	5.0	25n%			620m	1.0 Δ	0	75	1	B0843	M256
105	N8T10E	8	50M%	MON	2.4%	.40t*	TTL	10	20	0.0	5.0	25n%			620m	1.0 Δ	0	75	1	B0843	M153a

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

4. BINARY OR FLIP - FLOP

IN ORDER OF (1)FLIP-FLOP (2)LOG TYPE (3)LOG LEV'1' (4)LOG LEV'0' (5)MAX FREQ (6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF FLIP-FLOP	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	N8T10R	8	50M%	MON	2.4%	.40†*	TTL	10	20	0.0	5.0	25n%			620m	1.0 Δ	0	75	1	B0843	FP79a
2	S8T10B	8	50M%	MON	2.4%	.40†*	TTL	10	20	0.0	5.0	25n%			620m	1.0 Δ	-55	125	1	B0843	M256
3	S8T10E	8	50M%	MON	2.4%	.40†*	TTL	10	20	0.0	5.0	25n%			620m	1.0 Δ	-55	125	1	B0843	M153a
4	S8T10R	8	50M%	MON	2.4%	.40†*	TTL	10	20	0.0	5.0	25n%			620m	1.0 Δ	-55	125	1	B0843	TO116
5	MC422F	8	30M%	MON	2.4%	.45*†	TTL	4	12	0.0	5.0	16n%			84m†		0	75	2	B0810a	TO86
6	MC422L,P%	8	30M%	MON	2.4%	.45*†	TTL	4	12	0.0	5.0	16n%			84m†		0	75	2	B0810a	TO116
7	MC472F	8	30M%	MON	2.4%	.45*†	TTL	4	6	0.0	5.0	16n			84m†		0	75	2	B0810a	TO86
8	MC472L,P%	8	30M%	MON	2.4%	.45*†	TTL	4	6	0.0	5.0	16n			84m†		0	75	2	B0810a	TO116
9	MC522F	8	30M%	MON	2.4%	.45*†	TTL	4	15	0.0	5.0	16n			84m†		-55	125	2	B0810a	TO86
10	MC522L	8	30M%	MON	2.4%	.45†*	TTL	4	15	0.0	5.0	16n			84m†		-55	125	2	B0810a	TO116
11	MC572F	8	30M%	MON	2.4%	.45*†	TTL	4	7	0.0	5.0	16n			84m†		-55	125	2	B0810a	TO86
12	MC572L	8	30M%	MON	2.4%	.45†*	TTL	4	7	0.0	5.0	16n			84m†		-55	125	2	B0810a	TO116
13	MC3053F	8		MON	2.5%	.40*†	TTL	10	10	0.0	5.0				100m†		0	75	1	B0828	TO86
14	MC3053L,P%	8		MON	2.5%	.40*†	TTL	10	10	0.0	5.0				100m†		0	75	1	B0828	TO116
15	MC3060F	8	30M†	MON	2.5%	.40*†	TTL	4	10	0.0	5.0	17nΔ			120m		0	75	2	B0810	TO86
16	MC3060L,P%	8	30M†%	MON	2.5%	.40*†	TTL	4	10	0.0	5.0	17nΔ			120m†	700m	0	75	2	B0810	TO116
17	MC4015L	8	30M%	MON	2.5%	.40†*	TTL	10	10	0.0	5.0	16n%			190m†		0	75	1	B0822	M191
18	MC4015P	8	30M%	MON	2.5%	.40*†	TTL	10	10	0.0	5.0	16n%			190m†		0	75	1	B0822	TO116
19	54R174	8	70M		2.5	.40	TTL		10	0.0	5.0	24n			325m		-55	125			
20	54R175	8	70M		2.5	.40	TTL		10	0.0	5.0	24n			225m		-55	125			
21	74R174	8	70M		2.5	.40	TTL		10	0.0	5.0	24n			325m		0	75			
22	74R175	8	70M		2.5	40	TTL		10	0.0	5.0	24n			225m		0	75			
23	N8275B	8		MON	2.6%	.40†	TTL	2	20	0.0	5.0	16n		50n	265m		-55	125	4	B0820	M117h
24	N8275E	8		MON	2.6%	.40†*	TTL	2	20	0.0	5.0	40nΔ		50n	265m		0	75	4	B0820	M153a
25	N8275R	8		MON	2.6%	.40†	TTL	2	20	0.0	5.0	16n		50n	265m		0	75	4	B0820	FP47c
26	S8275B	8		MON	2.6%	.40†	TTL	2	20	0.0	5.0	16n		50n	265m		-55	125	4	B0820	M117h
27	S8275E	8		MON	2.6%	.40†	TTL	2	20	0.0	5.0	16n		50n	265m		-55	125	4	B0820	M105s
28	S8275R	8		MON	2.6%	.40†	TTL	2	20	0.0	5.0	16n		50n	265m		-55	125	4	B0820	FP47c
29	N8828A	8	25M†%	MON	2.6%	.40*†	TTL	4	20	0	5	24n%		50n	52mΔ	600m	0	75	2	B085	TO116
30	N8828F	8	25M†%	MON	2.6%	.40†*	TTL	4	20	0.0	5.0	24n%		50n	52mΔ	600m	0	75	2	B085	M157
31	N8828J	8	25M†%	MON	2.6%	.40*†	TTL	4	20	0	5	24n%		50n	52mΔ	600m	0	75	2	B085	TO88
32	S8828A	8	25M†%	MON	2.6%	.40*†	TTL	4	20	0	5	24n%		50n	52mΔ	600m	-55	125	2	B085	TO116
33	S8828F	8	25M†%	MON	2.6%	.40†*	TTL	4	20	0.0	5.0	24n%		50n	52mΔ	600m	-55	125	2	B085	M157
34	S8828J	8	25M†%	MON	2.6%	40*†	TTL	4	20	0	5	24n%		50n	52mΔ	600m	-55	125	2	B085	TO88
35	54R74	8	80M		2.7	.40	TTL		10	0.0	5.0	15n			250m		-55	125			
36	74R74	8	80M		2.8	.40	TTL		10	0.0	5.0	15n			250m		0	75			
37	TRWF90#1	8		MON	3.3	.26	TTL		10	0.0	5.0	15n	2.0	2.0	150m	900m	-55	125			M157
38	TRWF90#2	8		MON	3.3	.26	TTL		10	0.0	5.0	15n	2.0	2.0	150m	900m	-55	125			M126
39#	ZN5474E	8		MON	3.5	.20	TTL	4	10	0.0	5.0	13n			10m	1.0	-55	125	2		M126
40#	ZN5474F	8		MON	3.5	.20	TTL	4	10	0.0	5.0	13n			10m	1.0	-55	125	2		TO86
41#	ZN5475E	8		MON	3.5	.20	TTL	3	10	0.0	5.0	13n			10m	1.0	-55	125	2		M126
42#	ZN7474E	8		MON	3.5	.20	TTL	4	10	0.0	5.0	13n			10m	1.0	0	70	2		M126
43#	ZN7474F	8		MON	3.5	.20	TTL	4	10	0.0	5.0	13n			10m	1.0	0	70	2		TO86
44#	ZN7475E	8		MON	3.5	.20	TTL	3	10	0.0	5.0	13n			10m	1.0	0	70	2		TO86
45	SP328A	8		MON	3.5%	.60†*	TTL	4	7	0.0	5.0	25n%			190m	1.0 Δ	-55	125	2	B0844	TO116
46▼	JANM38510/00207BAA	8E	10MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	39nΔ			220m		-55	125	2	B0841	FP52d
47	JANM38510/00207BAB	8E	10MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	39nΔ			220m		-55	125	2	B0841	FP52d
48	JANM38510/00207BAC	8E	10MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	39nΔ			220m		-55	125	2	B0841	FP52d
49	JANM38510/00207BCA	8E	10MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	30nΔ			220m		-55	125	2	B0841	M314
50	JANM38510/00207BCB	8E	10MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	39nΔ			220m		-55	125	2	B0841	M314
51	JANM38510/00207BCC	8E	10MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	39nΔ			220m		-55	125	2	B0841	M314
52▼	JANM38510/00207CAA	8E	10MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	39nΔ			220m		-55	125	2	B0841	FP52d
53	JANM38510/00207CAB	8E	10MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	39nΔ			220m		-55	125	2	B0841	FP52d
54	JANM38510/00207CAC	8E	10MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	39nΔ			220m		-55	125	2	B0841	FP52d
55	JANM38510/00207CCA	8E	10MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	39nΔ			220m		-55	125	2	B0841	M314
56	JANM38510/00207CCB	8E	10MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	39nΔ			220m		-55	125	2	B0841	M314
57	JANM38510/00207CCC	8E	10MΔØ	MON	2.0%	.80*	TTL	4	10	0.0	5.5	39nΔ			220m		-55	125	2	B0841	M314

5. CLOCK OR MULTIVIBRATOR

IN ORDER OF (1)TYPE OF MV(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF M-V	5 MAX OPER-ATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MIN. DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (s)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1#	H117D1	1		MON	8.0%	6.0*		2	25	0.0	20	1.0uΔ			500m%	5.0	0	75	1	C0114	TO116
2#	H117D6	1		MON	8.0%	6.0*		2	25	0.0	16	1.0uΔ			400m%	5.0	-40	85	1	C0114	TO116
3	CD4047AD	1		MOS	10	0.0†		7		5.0	15	150n			200m	4.5 Δ	-55	125	1	C0115	MØ
4	CD4047AE	1		MOS	10	0.0†		7		5.0	15	150n			200m	4.5 Δ	-40	85	1	C0115	MØ
5	CD4047AK	1		MOS	10	0.0†		7		5.0	15	150n			200m	4.5 Δ	-55	125	1	C0115	FPØ
6	LM555CH#2	1	100k%		12.5	2.5†		5		0.0	15	1.0u	100n†	100n†	600m		0	70	1	J0598	CN13
7	LM555CN#2	1	100k%		12.5	2.5†		5		0.0	15	1.0u	100n†	100n†	600m		0	70	1	J0598	M239b
8	LM555H#2	1	100k%		12.5	2.5†		5		0.0	15	1.0u	100n†	100n†	600m		-55	125	1	J0598	CN13
9▼	CM4047AD	1		MOS	10	0.0	CMS	7		0.0	15	150n			200m	4.5 Δ	-55	125	1	C0115	MØ
10▼	CM4047AE	1		MOS	10	0.0	CMS	7		0.0	15	150n			200m	4.5 Δ	-40	85	1	C0115	MØ
11▼	CM4047AF	1		MOS	10	0.0	CMS	7		0.0	15	150n			200m	4.5 Δ	-55	125	1	C0115	FPØ
12	MC1658L	1	225M	MON	-.96	-1.6	ECT	3		5.2	0.0		8.5n	8.5n	150m†		0	75	1	C0116	M191
13	MC1658P	1	225M	MON	-.96	-1.6	ECT	3		5.2	0.0		8.5n	8.5n	150m†		0	75	1	C0116	M278
14#	MIC54124J#2	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	85nΔ	10n	4.0n	150m†		-55	125	1	C0117	TO116
15#	MIC64124J#2	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	85nΔ	10n	4.0n	150m†		-40	85	1	C0117	TO116
16#	MIC74124J#2	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	85nΔ	10n	4.0n	150m†		0	75	1	C0117	TO116
17#	MIC74124N#2	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	85nΔ	10n	4.0n	150m†		0	75	1	C0117	M157b
18	MC4324L	1	30M%	MON	2.4%	.40*†	TTL	1	7	0.0	5.0				150m†		-55	125	2	C0323	TO116
19	MC4024L,P%	1	30M%	MON	2.5%	.40*†	TTL	1	7	0.0	5.0				150m†		0	75	2	C0323	TO116
20	T306	1	10M	PCB	5.0	0.0	TTL		30	4.8	5.2				250m		0	70	1		CBØ
21	MMV1Ø	2	100k	PCB	5.0	0.0		3	8	0.0	5.0				125m	1.0	0	70	1		CB53
22	MMV2	2	100k	PCB	5.0	0.0		6	8	0	5.0				125m	1.0u	0	70	2		CB53
23	MMV1Δ	2	4.0	PCB	2.0%	.95*	DTL	2	25	5	5					1.0mΔ	0	70	1	C0210	CB37c
24	I306	2	5.0M	PCB	5.0	0.0	DTL	4	25	0.0	5				175m%	1.0			1	C0211	CBØ
25	CH1050	3	5.0M	MOH	3.5%	.40†*		1		0.0	5.0				500m			125	1		M158
26	LCE707	3	1.0M	MOH	6.0	0.0†				6.0	12	30n					-15	65	1		M45
27	LCE305	3	3.0M	MOH	6.0	0.0†				6.0	12	25n	35n				-40	100	1	C0311	CN27
28	LCE407	3	3.0M	MOH	6.0	0.0†				6.0	12	25n	35n		180m		-40	100	1	C0310	M45
29	LCE507	3	5.0M	MOH	6.0	0.0†				6.0	12	25n					-30	80	1		M45
30	B401	3	10M	PCB	0.0	-2.5	RCT		8	15	0				1.1		-20	65	1	C0317	CB31
31	R401	3	2.0M	PCB	0.0	-3.0	RCT	1	70	15	10				298m		-20	65	1		CB31
32#	DN850	3	35kØ	MON	9.0	.40	RTL	1		0.0	12	100n%	200n†	50n†	186m†		-20	75	3	F041	M294
33	M401	3	10M	PCB	2.4	.40	TTL	3	10	0	5.0		15n	150n	325m	1.0	0	70	1		
34	MC4324F	3	30M%	MON	2.4%	.40*†	TTL	1	7	0.0	5.0				150m†		-55	125	2	C0323	TO86
35	MC4024F	3	30M%	MON	2.5%	.40*†	TTL	1	7	0.0	5.0				150m†		0	75	2	C0323	TO86
36▼	SQXO1	4	100k	MON						0.0	3.0		20n	20n			0	70	1		CN44b
37#	SAJ250A	4	32kΔ	MON	.90	3.0				0.0	3.0						-10	60	1	C0435	TO99
38#	SAJ250AA	4	32kΔ	MON	.90	3.0				0.0	3.0						-10	60	1	C0435	TO99
39#	SAJ250AB	4	32kΔ	MON	.90	3.0				0.0	3.0						-10	60	1	C0435	M226a
40#	SAJ250B	4	32kΔ	MON	.90	3.0				0.0	3.0						-10	60	1	C0435	M226a
41#	SAJ250BA	4	32kΔ	MON	.90	3.0				0.0	3.0						-10	60	1	C0435	M226a
42	CO238	4	30M		2.4%	.40*				0.0	5.0						0	70			M288
43	MCO1	4	200k	PCB	5.0	0.0		5	45	0	5.0				175m	1.0	0	70	1		
44	MCO10	4	2.0M	PCB	5.0	0.0		5	45	0	5.0				175m	1.0	0	70	1		
45	D4411	4	3.0M		13	1.5		1	9	1.0	18		20n	20n		5.0	0	50			
46	MCG1	4	5.0M	PCB	2.5%	.45*	DTL	3	25	0	5.0	35n			180m	1.0 Δ	0	70	1	C0434	CB37c
47	I312	4	5.0M	PCB	5.0	0.0	DTL		25	4 8	5.2		50n	25n	125m	1.0	0	70	1	C0430	CBØ
48	530	4	100k	PCB	5.0	.45	DTL	1	25	0	5.0		30n	25n			0	70	1	C0429	CB55
49	530A	4	1.0M	PCB	5.0	.45	DTL	1	25	0	5.0		30n	25n			0	70	1	C0429	CB55
50	530B	4	5.0M	PCB	5.0	.45	DTL	1	25	0	5.0		30n	25n			0	70	1	C0429	CB55
51	530C	4	10M	PCB	5.0	.45	DTL	1	25	0	5.0		30n	25n			0	70	1	C0429	CB55
52	823	4	5.0M	PCB	5.6	.20	DTL	1	50	12	12				546m	1.5 *	0	70	1	C0425	CB50
53	823A	4	10M	PCB	5.6	.20	DTL	1	50	12	12				546m		0	70	1	C0425	CB50
54	CO233M	4	150M	PCB			ECT		10	28	0.0						-55	85			M253
55	DQXO1	4	200k	TFH	6.0	0.0	MOS		10	0.0	6.0		5.0u	5.0u	2.0m%		-55	125	1		CN44b
56	DQXO1F	4	200k	TFH	6.0	0.0	MOS		10	0.0	6.0		5.0u	5.0u	2.0m%		-55	125	1		FP83
57	LQXO1	4	200k	TFH	6.0	0.0	MOS		10	0.0	6.0		5.0u	5.0u	2.0m%		-55	125	1		CN44b
58	LQXO1F	4	200k	TFH	6.0	0.0	MOS		10	0.0	6.0		5.0u	5.0u	2.0m%		-55	125	1		FP83
59	CO236	4	2M	PCB	10	0.0	MOS		10	9.0	11						-55	85			M250
60	DQXO2	4	200k	TFH	12	0.0	MOS		10	0.0	12		5.0u	5.0u	5.0m%		-55	125	1		CN44b
61	DQXO2F	4	200k	TFH	12	0.0	MOS		10	0.0	12		5.0u	5.0u	5.0m%		-55	125	1		FP83
62	LQXO2	4	200k	TFH	12	0.0	MOS		10	0.0	12		5.0u	5.0u	5.0m%		-55	125	1		CN44b
63	LQXO2F	4	200k	TFH	12	0.0	MOS		10	0.0	12		5.0u	5.0u	5.0m%		-55	125	1		FP83
64	R405	4	2.0M	PCB	0.0	-3.0	RCT		70	15	10				804m		-20	65	1	C0415a	CB31
65	B405	4	10M	PCB	2.5	0.0	RCT		8	15	10				1.5		-20	65	1	C0415a	CB31
66	T110	4	250k	3DM	-3.0	-11	RCT	1		12	0		600n		260m		-45	65	1	C049a	M17
67▼	MC12060L	4	2.0M	MON	2.4%	.50*†	TTL	2		0.0	5.0	4.3n%	4.0n	4.0n			0	70	1	C0437	M191
68▼	MC12060P	4	2.0M	MON	2.4%	.50*†	TTL	2		0.0	5.0	4.3n%	4.0n	4.0n			0	70	1	C0437	M278
69▼	MC12560L	4	2.0M	MON	2.4%	.50*†	TTL	2		0.0	5.0	4.3n%	4.0n	4.0n			-55	125	1	C0437	M191
70▼	MC12061L	4	20M	MON	2.4%	.50*†	TTL	2		0.0	5.0	4.3n%	4.0n	4.0n			0	70	1	C0437	M191
71▼	MC12061P	4	20M	MON	2.4%	.50*†	TTL	2		0.0	5.0	4.3n%	4.0n	4.0n			0	70	1	C0437	M278
72▼	MC12561L	4	20M	MON	2.4%	.50*†	TTL	2		0.0	5.0	4 3n%	4 0n	4.0n			-55	125	1	C0437	M191
73	D4301	4	5.0M	PCB	2.5%	.50*	TTL		10	0	5.0		3.0n	4.0n		1.0	0	75	1		CBØ
74▼#	SP705B	4	10M		2.6%	.40†*	TTL	4		0.0	5.0		20n	20n	175m%		0	70	1	C0438	M257a
75	CO231L	4	30M	PCB	3.0%	.40*	TTL		10	4.5	5.5						-55	85			M250a
76	CO232	4	30M	PCB	3.0%	.40*	TTL		10	4.5	5.5						-55	85			M250b
77	CO235	4	30M	PCB	3.0%	.40*	TTL		10	4.5	5.5						-55	85			M251
78	CO231	4	100M	PCB	3.0%	.40*	TTL		10	4.5	5.5						-55	85			M250
79	SQXO2	4	200k	TFH	5.0	0.0	TTL		2	0.0	5.0		1.0u	1.0u	15m%		-55	125	1		CN44b
80	T300	4	10M	PCB	5.0	0.0	TTL		30	4.8	5 2				265m		0	70	1		CBØ
81	SN54S124J	4,6	85M%	MON	2.0%	.80*	TTL	10	10	0.0	5.0	70n			750m%	1.0 Δ	-55	125	1	C0436	M153a
82	SN54S124W	4,6	85M%	MON	2.0%	.80*	TTL	10	10	0.0	5.0	70n			750m%	1.0 Δ	-55	125	1	C0436	Δ004AG
83	SN74S124J	4,6	85M%	MON	2.0%	.80*	TTL	10	10	0.0	5.0	70n			750m%	1.0 Δ	0	70	1	C0436	M153
84	SN74S124N	4,6	85M%	MON	2.0%	.80*	TTL	10	10	0.0	5.0	70n			750m%	1.0 Δ	0	70	1	C0436	M117
85	D4022	4B	5.0M	PCB	2.0%	.95*	DTL	19Δ	100	0	5.0				600m	1.0 Δ	0	75	1		CB56
86	531	6	100k	PCB	5.0	.45	DTL	8Δ	25	0	5.0		30n	25n			0	70	1	C066	CB55
87	531A	6	1.0M	PCB	5.0	.45	DTL	8Δ	25	0	5.0		30n	25n			0	70	1	C066	CB55
88	MC1648F#1	6	225M%	MON	-.80	-1.7	ECT	2	0.0	0.0	5.0				150m†		0	75	1	C0612	TO86
89	MC1648F#2	6	225M%	MON	-.80	-1.7	ECT	2	0.0	-5.2	0.0				150m†		0	75	1	C0612	TO86
90	MC1648L,P#1%	6	225M%	MON	-.80	-1.7	ECT	2	0.0	0.0	5.0				150m†		0	75	1	C0612	TO116
91	MC1648L,P#2%	6	225M%	MON	-.80	-1.7	ECT	2	0.0	-5.2	0.0				150m†		0	75	1	C0612	TO116
92	531T	6	20M	PCB	5.5	0.0	TTL	1	30	0	5.0						0	70	1		
93	LM175D	6C	200M%	MON	2.1%	.40†*		2†		0.0	5.0		50n	50n	500m		-55	125	3	C0613	M297a
94	LM275D	6C	200M%	MON	2.1%	.40†*		2†		0.0	5.0		50n	50n	500m		-25	85	3	C0613	M297a
95	LM375D	6C	200M%	MON	2.1%	.40†*		2†		0.0	5.0		50n	50n	500m		0	70	3	C0613	M297a
96	LM375N	6C	200M%	MON	2.1%	40†*		2†		0.0	5.0		50n	50n	500m		0	70	3	C0613	M126m

6. COUNTERS

IN ORDER OF (1)TYPE OF COUNTER(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF COUNTER	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	9989DC	1		MON	1.2%	45†*		2	4†	0 0	6 0	90n			385m		0	75	1	E0136	TO116
2	9989HC	1		MON	1.2%	.45†*		2	4†	0.0	6.0	90n			385m		0	75	1	E0136	TO99
3	9958DC	1	2.0M	MON	1.2%	.45†*		2	5	0 0	6.0				140m		0	75	1	E0110	TO116
4	9958HC	1	2.0M	MON	1 2%	45†*		2	5	0 0	6.0				140m		0	75	1	E0110	TO99
5	DM76L75D	1	13MΔ%		2.0%	70*		9		0 0	5 0	140nΔ			32mt		-55	125	1	E0179a	M224b
6	DM76L75N	1	13MΔ%		2.0%	.70*		9		0.0	5 0	140nΔ			32mt		-55	125	1	E0179a	M117t
7	DM76L75W	1	13MΔ%		2.0%	.70*		9		0 0	5.0	140nΔ			32mt		-55	125	1	E0179a	FP88
8	DM86L75N	1	13MΔ%		2.0%	.70*		9		0.0	5.0	140nΔ			32mt		0	70	1	E0179a	M117t
9	DM86L75W	1	13MΔ%		2.0%	.70*		9		0.0	5.0	140nΔ			32mt		0	70	1	E0179a	FP88
10#	ZN7490E	1	18M%	MON	2.0%	80*		6		0.0	5.0	100nΔ			160m%		0	70	1	E0180	M126
11#	ZN7490F	1	18M%	MON	2.0%	.80*		6		0.0	5.0	100nΔ			160m%		0	70	1	E0180	TO86
12	54R192	1	35M		2 5	40			10	0.0	5.0	34n			445m		-55	125		-	
13	74R192	1	35M		2.5	40			10	0 0	5.0	34n			445m		0	75			
14	MC14522AL	1	5.0M%	MOS	4.99%	.01*†		9		0.0	15	100n%	35nt	35nt	1.0u%		-55	125	1	E0177	M191
15	MC14522CL	1	5.0M%	MOS	4.99%	.01*†		9		0 0	15	100n%	35nt	35nt	1.0u%		-40	85	1	E0177	M191
16	MC14522CP	1	5.0M%	MOS	4 99%	.01*†		9		0.0	15	100n%	35nt	35nt	1.0u%		-40	85	1	E0177	M278
17	MPC2D	1	2.0M	PCB	5 0	0 0		12	16	0	5	75n			250m	1 0	0	70	2	E066	CB53
18#	FZJ141	1	500k%	MON	7 5%	4 5*		9	10	0.0	12					5.0 Δ	0	70	1	E0169	
19#	FZJ145	1	500k%	MON	7 5%	4.5*		9	10	0.0	12					5.0 Δ	-25	85	1	E0169	
20#	H157D1	1		MON	8 0%	6 0*		7	25	0 0	20	600nΔ			720m%	5.0 Δ	0	75	1	E0162	TO116
21#	H157D6	1		MON	8.0%	6.0*		7	25	0.0	20	600nΔ			720m%	5.0 Δ	-40	80	1	E0162	TO116
22♦	MC14510AL	1	6 0M%	MOS	9.99%	01*†		9		0 0	10	100n%	75nt	75nt	100u%		-55	125	1	E0173	M191
23♦	MC14510CL	1	6 0M%	MOS	9 99%	01*†		9		0 0	10	100n%	110nt	110nt	1.0m%		-40	85	1	E0173	M191
24♦	MC14510CP	1	6.0M%	MOS	9.99%	.01*†		9		0.0	10	100n%	110nt	110nt	1.0m%		-40	85	1	E0173	M278
25	MC14516AL	1	6.0M%	MOS	9.99%	01*†		9		0 0	10	40n%	25nt	25nt	1.0u%		-55	125	1	E0174	M191
26	MC14516CL	1	6.0M%	MOS	9 99%	.01*†		9		0 0	10	40n%	25nt	25nt	1.0u%		-40	85	1	E0174	M191
27	MC14516CP	1	6.0M%	MOS	9.99%	.01*†		9		0.0	10	40n%	25nt	25nt	1.0u%		-40	85	1	E0174	M278
28	MC14518AL	1	6.0M%	MOS	9 99%	.01*†		3		0 0	10	100n%	75n	75n	4.0u%		-55	125	2	E0175	M191
29	MC14518CL	1	6.0M%	MOS	9 99%	.01*†		3		0.0	10	100n%	110n	110n	4.0u%		-40	85	2	E0175	M191
30	MC14518CP	1	6 0M%	MOS	9.99%	.01*†		3		0.0	10	100n%	110n	110n	4.0u%		-40	85	2	E0175	M278
31#	FEJ271	1	1.5MΔ	MON	-2.0%	-10*		4		21	0.0		1.0m				-10	75	1	E0170	M117q
32	CD4033AD	1	5.0MΔ%	MOS	10	0 0†		5	50	0.0	10	500nΔ	15uΔ	15uΔ	100u%	4.5 Δ	-55	125	1	E058	Δ001AE
33	CD4033AE	1	5.0MΔ%	MOS	10	0.0†		5	50	0.0	10	700nΔ	15uΔ	15uΔ	1.0m%	4.5 Δ	-40	85	1	E058	Δ001AC
34	CD4033AK	1	5 0MΔ%	MOS	10	0.0†		5	50	0 0	10	500nΔ	15uΔ	15uΔ	100u%	4 5 Δ	-55	125	1	E058	Δ004AG
35	371CJ	1	2 0M	MON	12	.40†		8	4	0 0	12	300n	100n	120n	350m	5 0 Δ	-30	85	1	E0149	M172
36	372CJ	1	2 0M	MON	12	40†		8	4	0 0	12	300n	100n	120n	350m	5 0 Δ	-30	85	1	E0150	M172
37▼	CM4102AD	1		MOS	4 0%	1 0*	CMS			0.0	5.0				200m		-55	125	1	E0189	M210b
38▼	CM4102AE	1		MOS	4 0%	1.0*	CMS			0.0	5.0				200m		-40	85	1	E0189	M210b
39▼	CM4102AF	1		MOS	4 0%	1.0*	CMS			0 0	5.0				200m		-55	125	1	E0189	FP☑
40▼	MC14553AL	1	5 0MΔ	MOS	9 99%	01*†	CMS	6		0 0	10	500n	100n	75n	100u%		-55	125	1	E0183	M191
41▼	MC14553CL	1	5 0MΔ	MOS	9.99%	01*†	CMS	6		0 0	10	500n	125n	110n	1.0m%		-40	85	1	C0183	M191
42▼	CD4059AD	1	2.0M%	MOS	10	0.0†	CMS	16		0 0	10	140nΔ	5 0u	5.0u	30u%	4 5 Δ	-55	125	1	E0190	M351a
43▼	CD4518BE	1	6 0MΔ%	MOS	10	0.0†	CMS	3		0 0	10	100n	15ut	15ut	200m	4 5 Δ	-40	85	2	E0175	Δ001AB
44	SCL4518AD	1	8 0MΔ	MOS	10	0.0†	CMS	3		0 0	10	100n	15uΔ	15uΔ	200m	4 5 Δ	-55	125	1	E0175	Δ002AE
45	SCL4518AE	1	8.0MΔ	MOS	10	0.0†	CMS	3		0 0	10	100n	15uΔ	15uΔ	200m	4.5 Δ	-40	85	1	E0175	Δ001AC
46	SCL4518AF	1	8 0MΔ	MOS	10	0.0†	CMS	3		0 0	10	100n	15uΔ	15uΔ	200m	4 5 Δ	-55	125	1	E0175	Δ004AG
47▼	SW938-2P	1	30M%	MON	2 0%	1.2*	DTL	6	8†	0 0	8 0				150m	1.0	-55	125	1		
48	MC938F	1	30M%	MON	2.6%	.40*	DTL	6	32	0.0	5.0				150mt	1.0	-55	125	1	E0135a	TO86
49	MC938L	1	30M%	MON	2.6%	.40*	DTL	6	32	0 0	5.0				150mt	1 0	-55	125	1	E0135a	TO116
50	HEPC1038P-RT	1	30M%	MON	2.60%	.45*†	DTL	6	8	0.0	5.0				150mt	1.0 Δ	0	75	1	E0135	TO116
51	MC838F	1	30M%	MON	2.6%	.45*	DTL	6	32	0 0	5.0				150mt	1.0	0	75	1	E0135a	TO86
52	MC838L,P%	1	30M%	MON	2 6%	45*	DTL	6	32	0 0	5.0				150mt	1.0	0	75	1	E0135a	TO116
53	MSC2D	1		PCB	4 0	.40	DTL			0 0	5 0	25n			1.2 †		0	55	2		
54	I111	1	5 0M	PCB	5.0	0 0	DTL	5	9	0 0	5.0	50n		50n	750m%	1 0			1	E0143	CB☑
55	373AJ	1		MON	6.5*	5 0%	DTL	10		0 0	15					3.2	-30	70	1	E0148	M319
56	373AL	1		MON	6 5*	5 0%	DTL	10		0 0	15					3 2	-30	70	1	E0148	M200j
57	373BL	1		MON	6.5*	5 0%	DTL	10		0 0	12					3 5	-55	125	1	E0148	M200j
58	373CJ	1		MON	6 5*	5.0%	DTL	10		0.0	12					3.5	-30	85	1	E0148	M319
59	373CL	1		MON	6 5*	5.0%	DTL	10		0.0	15					3 2	-30	85	1	E0148	M200j
60	373ML	1		MON	6.5*	5 0%	DTL	10		0.0	15					3.2	-55	125	1	E0148	M200j
61	371AJ	1	1 0Mt%	MON	6 5*	5 0%	DTL	8	5	0 0	15	800nΔ			795mt	3 2	-30	70	1	E0149	M319
62	371AL	1	1 0Mt%	MON	6 5*	5 0%	DTL	8	5	0 0	15	800nΔ			795mt	3 2	-30	70	1	E0149	M200j
63	371BL	1	1.0Mt%	MON	6 5*	5.0%	DTL	8	5	0.0	12	800nΔ			492mt	3.5	-55	125	1	E0149	M200j
64	371CL	1	1 0Mt%	MON	6 5*	5.0%	DTL	8	5	0.0	12	800nΔ			492mt	3.5	-30	85	1	E0149	M200j
65	371ML	1	1 0Mt%	MON	6 5*	5.0%	DTL	8	5	0 0	15	800nΔ			795mt	3 2	-55	125	1	E0149	M200j
66#	MIC371-1D	1	2 0M	MON	6 5%	5.0*	DTL	7	5	0 0	12						-55	125	1	E0149	M200d
67#	MIC371-1D1	1	2 0M	MON	6 5%	5.0*	DTL	7	5	0 0	15						-55	125	1	E0149	M200d
68#	MIC371-5D	1	2 0M	MON	6 5%	5 0*	DTL	7	5	0 0	12						-30	85	1	E0149	M200d
69#	MIC371-5D1	1	2 0M	MON	6 5%	5.0*	DTL	7	5	0 0	15						-30	70	1	E0149	M200d
70#	MIC372-1D	1	2 0M	MON	6 5%	5 0*	DTL	7	5	0 0	12						-55	125	1	E0150	M200d
71#	MIC372-1D1	1	2 0M	MON	6 5%	5.0*	DTL	7	5	0.0	15						-55	125	1	E0150	M200d
72#	MIC372-5D	1	2 0M	MON	6.5%	5 0*	DTL	7	5	0 0	12						-30	85	1	E0150	M200d
73#	MIC372-5D1	1	2 0M	MON	6 5%	5 0*	DTL	7	5	0.0	15						-30	70	1	E0150	M200d
74#	SP637B	1	400M		40#%		ECL	3		5 2	0 0				416mt		0	70	1		M308
75#	SP636B	1	500M		.40#%		ECL	3		5.2	0 0				416mt		0	70	1		M308
76#	SP635B	1	600M		40#%		ECL	3		5 2	0.0				416mt		0	70	1		M308
77#	SP634B	1	700M		40#%		ECL	3		5.2	0 0				416mt		0	70	1		M308
78▼	9306DC	1	27M%		1 7%	.85*	TTL	14		0.0	5 0	60nΔ			480m%		0	75	1	E0146	M246
79▼	9306DM	1	27M%		1 7%	.85*	TTL	14		0 0	5 0	60nΔ			455m%		-55	125	1	E0146	M246
80▼	9306FM	1	27M%		1 7%	.85*	TTL	14		0 0	5.0	60nΔ			455m%		-55	125	1	F0146	FP105
81▼	9306PC	1	27M%		1 7%	.85*	TTL	14		0 0	5 0	60nΔ			480m%		0	75	1	E0146	M197a
82#	MIC9310-1D	1	15M%	MON	1 7%	90*	TTL	4	6	0 0	5.0	20n			300mt		-55	125	1	E0147	M153a
83#	MIC54160J	1	15M%	MON	1 7%	90*	TTL	4	6	0 0	5 0	20n			300mt		-55	125	1	E0147	M153a
84#	MIC64160J	1	15M%	MON	1 7%	.90*	TTL	4	6	0.0	5 0	20n			300mt		-40	85	1	E0147	M153a
85#	MIC74160J	1	15M%	MON	1 7%	90*	TTL	4	6	0 0	5 0	20n			300mt		0	75	1	E0147	M153a
86#	MIC74160N	1	15M%	MON	1.7%	90*	TTL	4	6	0.0	5 0	20n			300mt		0	75	1	E0147	M117
87	9310FC	1	15M%	MON	1 8%	85*	TTL	12	6	0.0	5 0	35nΔ			300mt	400m	0	70	1	E0147	FP47a
88#	MIC9310-5D	1	15M%	MON	1.8%	.85*	TTL	4	6	0 0	5 0	20n			300mt		0	75	1	E0147	M153a
89▼	5524C	1	20MΔ	PCB	2 0%	45*	TTL	8	10	0 0	7 0	37nΔ			975mt		0	70	3		CB62
90▼	5523A	1	25MΔ	PCB	2 0%	45*	TTL	9	10	0 0	7 0	23n			975mt		0	70	3		CB62
91▼	5523C	1	25MΔ	PCB	2.0%	45*	TTL	9	10	0 0	7 0	23n			975mt		0	70	3		CB62
92♦	5524A	1	25MΔ	PCB	2 0%	45*	TTL	8	10	0 0	7 0	35n			975mt		0	70	3	E0276	CB62
93▼	5522A	1	50MΔ%	PCB	2.0%	.45*	TTL	6	10	0 0	5 0	38n			1 0 †		0	70	4		CB62
94	SN54L90J	1	3 0Mt	MON	2 0%	.70*	TTL	10	10	0 0	5 0	340nΔ			40mt		-55	125	1		M157b
95	SN54L90N	1	3.0Mt	MON	2 0%	.70*	TTL	10	10	0 0	5 0	340nΔ			40mt		-55	125	1		M126e
96♦	SN54L90T	1	3 0Mt	MON	2 0%	.70*	TTL	10	10	0 0	5.0	340nΔ			40mt		-55	125	1		FP52e
97	SN74L90J	1	3 0Mt	MON	2 0%	70*	TTL	10	10	0 0	5.0	340nΔ			40mt		0	70	1		M157b
98♦	SN74L90N	1	3 0Mt	MON	2.0%	.70*	TTL	10	10	0 0	5 0	340nΔ			40mt		0	70	1		M126e
99♦	SN74L90T	1	3.0Mt	MON	2 0%	70*	TTL	10	10	0.0	5 0	340nΔ			40mt		0	70	1		FP52e
100♦	SN54L192J	1	7 0M%	MON	2 0%	70*	TTL	8	10	0 0	5.0	135n%			43mt	1 0 Δ	-55	125	1	E0329	M153d
101♦	SN74L192J	1	7 0M%	MON	2 0%	70*	TTL	8	10	0.0	5.0	135n%			43mt	1 0 Δ	0	70	1	E0329	M153d
102♦	SN74L192N	1	7.0M%	MON	2.0%	70*	TTL	8	10	0 0	5 0	135n%			43mt	1.0 Δ	0	70	1	E0329	M117x
103♦	93L10DC	1	13M%	MON	2 0%	70*	TTL	9		0.0	5.0	95nΔ			75mt		0	75	1	E0147	M246
104♦	93L10DM	1	13M%	MON	2.0%	70*	TTL	9		0 0	5 0	95nΔ			75mt		-55	125	1	E0147	M246
105♦	93L10FM	1	13M%	MON	2.0%	70*	TTL	9		0 0	5 0	95nΔ			75mt		-55	125	1	E0147	FP79b
106▼	93L10PC	1	13M%	MON	2 0%	.70*	TTL	9		0 0	5 0	95nΔ			75mt		0	75	1	E0147	M357
107#	FJB93L10	1	20M%Δ	MON	2 0%	.70*	TTL	10	8	0.0	5 0	60nΔ			85mt		0	70	1	E0147	M210a
108▼	93L60DC	1	23M%		2 0%	70*	TTL	10		0.0	5.0	75nΔ			85mt		0	75	1	E0171	M224c
109▼	93L60DM	1	23M%		2 0%	.70*	TTL	10		0 0	5 0	75nΔ			85mt		-55	125	1	E0171	M224c
110▼	93L60FM	1	23M%		2 0%	.70*	TTL	10		0 0	5.0	75nΔ			85mt		-55	125	1	E0171	M357

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

6. COUNTERS

IN ORDER OF (1)TYPE OF COUNTER(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No	1 TYPE OF COUNTER	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1▼	93L60PC	1	23M%		20%	70*	TTL	10		00	50	75nΔ			85mt		0	75	1	E0171	FP79b
2▼	SN54LS192J	1	32MΔ%	MON	20%	70*	TTL	8		00	50	47nΔ			85m%		-55	125	1	E0329	M153d
3♦	SN54LS192W	1	32MΔ%	MON	20%	70*	TTL	8		00	50	47nΔ			85m%		-55	125	1	E0329	Δ004AG
4▼	SN74LS192J	1	32MΔ%	MON	20%	70*	TTL	8		00	5.0	47nΔ			85m%		0	70	1	E0329	M153d
5▼	SN74LS192N	1	32MΔ%	MON	20%	70*	TTL	8		00	50	47nΔ			85m%		0	70	1	E0329	Δ004AG
6♦	SN54LS196J	1	50MΔ	MON	20%	70*	TTL	8	20	00	50	28nΔ			60m%	1 0 Δ	-55	125	1	E0157a	M157b
7♦	SN54LS196N	1	50MΔ	MON	20%	70*	TTL	8	20	00	50	28nΔ			60m%	1.0 Δ	-55	125	1	E0157a	M126e
8♦	SN54LS196W	1	50MΔ	MON	20%	70*	TTL	8	20	00	50	28nΔ			60m%	1 0 Δ	-55	125	1	E0157a	Δ004AA
9♦	SN74LS196J	1	50MΔ	MON	20%	70*	TTL	8	20	00	50	28nΔ			60m%	1 0 Δ	0	70	1	E0157a	M157b
10♦	SN74LS196N	1	50MΔ	MON	20%	70*	TTL	8	20	00	50	28nΔ			60m%	1 0 Δ	0	70	1	E0157a	M126e
11▼	9310PC	1		MON	20%	.80*	TTL	10	6	00	50	50nΔ			470m%		0	75	1	E0147	M357
12#	M53392P	1		MON	20%	.80*	TTL	8	60	00	7.0					1 0 Δ	0	75	1	E0148	M153b
13#	SFC4192E	1	32m%	MON	20%	80*	TTL	8	10	00	50	47nΔ			325mt		0	70	1	E0148	M117
14♦	SN54L192N	1	7.0MΔ%	MON	2.0%	80*	TTL	8	10	00	50	135n%			43mt		-55	125	1	E0329	M117x
15#	FJJ141-7490	1	10M	MON	2.0%	80*	TTL	6	10	00	50	100nΔ			160mt	1 0 Δ	0	70	1	E0159	M126f
16♦	9310DC	1	15M%	MON	20%	80*	TTL	10	6	00	50	50nΔ			470m%	400m	0	70	1	E0147	M224c
17♦	9310DM	1	15M%	MON	2.0%	80*	TTL	10	6	00	50	50nΔ			470m%	400m	-55	125	1	E0147	M224c
18♦	9310FM	1	15M%	MON	20%	80*	TTL	10	6	0.0	50	50nΔ			470m%	400m	-55	125	1	E0147	FP79b
19#	FLJ161-7490	1	18M%Δ	MON	2.0%	80*	TTL	6	10	00	50	100nΔ			265m§	1 0 Δ	0	70	1	E0161	M126p
20#	FLJ165-8490	1	18M%Δ	MON	2.0%	80*	TTL	6	10	00	50	100nΔ			265m§	1 0 Δ	-25	85	1	E0161	M126p
21#	FLJ171-7492	1	18M%Δ	MON	20%	80*	TTL	6	10	00	50	100nΔ			255m§	1 0 Δ	0	70	1	E0160	M126p
22#	FLJ175-8492	1	18M%Δ	MON	20%	80*	TTL	6	10	00	50	100nΔ			255m§	1 0 Δ	-25	85	1	E0160	M126p
23	N7490A	1	18M%	MON	20%	80*	TTL	6	10	00	50	60n			160mt		0	70	1	E0140	M105q
24	N7490Q	1	18M%	MON	20%	.80*	TTL	6	10	00	5.0	60n			160mt		-55	125	1	E0140	TO88
25	S5490A	1	18M%	MON	20%	80*	TTL	6	10	00	50	60n			160mt		-55	125	1	E0140	M105q
26	S5490Q	1	18M%	MON	20%	80*	TTL	6	10	00	50	60n			160mt		0	70	1	E0140	TO88
27#	SFC490E	1	18M%	MON	20%	.80*	TTL	6	10	00	50	75n%			160mt	1 0	0	70	1	E0131	TO116
28#	SFC490EM	1	18M%	MON	20%	80*	TTL	6	10	00	50	75n%			160mt	1 0	-55	125	1	E0131	TO116
29#	SFC490ET	1	18M%	MON	20%	.80*	TTL	6	10	00	50	75n%			160mt	1 0	-25	85	1	E0131	TO116
30#	SFC490PM	1	18M%	MON	20%	80*	TTL	6	10	00	5.0	75n%			160mt	1 0	-55	125	1	E0131	TO85
31#	TL7490N	1	18Mt%	MON	20%	80*	TTL	6	10	00	50	100nΔ			278mt		0	70	1	E0165	M126n
32#	TL8490N	1	18Mt%	MON	20%	80*	TTL	6	10	00	50	100nΔ			278mt		-25	85	1	E0165	M126n
33	US5490A	1	18M%Δ	MON	20%	80*	TTL	6	10	00	5.0	60nt	12nt	5.0nt	160mt	1 0 Δ	-55	125	1	E0131	M105b
34	US5490J	1	18M%Δ	MON	20%	80*	TTL	6	10	00	50	60nt	12nt	5 0nt	160mt	1 0 Δ	-55	125	1	E0131	TO88
35♦	JANM38510/01303BEB	1	20MΔ∅	MON	20%	80*	TTL	4	20	00	55	58nΔ			500m		-55	125	1	E0166	M323
36♦	JANM38510/01303BEC	1	20MΔ∅	MON	20%	80*	TTL	4	20	00	55	58nΔ			500m		-55	125	1	E0166	M323
37▼	JANM38510/01303BFB	1	20MΔ∅	MON	20%	80*	TTL	4	20	00	55	58nΔ			500m		-55	125	1	E0166	FP93
38♦	JANM38510/01303CEB	1	20MΔ∅	MON	20%	80*	TTL	4	20	00	55	58nΔ			500m		-55	125	1	E0166	M323
39♦	JANM38510/01303CEC	1	20MΔ∅	MON	20%	80*	TTL	4	20	00	55	58nΔ			500m		-55	125	1	E0166	M323
40▼	JANM38510/01303CFB	1	20MΔ∅	MON	20%	80*	TTL	4	20	00	55	58nΔ			500m		-55	125	1	E0166	FP93
41♦	JANM38510/01305BEB	1	20MΔ∅	MON	20%	80*	TTL	4	20	00	55	58nΔ			500m		-55	125	1	E0166	M323
42♦	JANM38510/01305BEC	1	20MΔ∅	MON	20%	80*	TTL	4	20	00	55	58nΔ			500m		-55	125	1	E0166	M323
43▼	JANM38510/01305BFB	1	20MΔ∅	MON	20%	80*	TTL	4	20	00	55	58nΔ			500m		-55	125	1	E0166	FP93
44♦	JANM38510/01305CEB	1	20MΔ∅	MON	20%	.80*	TTL	4	20	00	55	58nΔ			500m		-55	125	1	E0166	M323
45♦	JANM38510/01305CEC	1	20MΔ∅	MON	20%	80*	TTL	4	20	00	5.5	58nΔ			500m		-55	125	1	E0166	M323
46▼	JANM38510/01305CFB	1	20MΔ∅	MON	20%	80*	TTL	4	20	00	55	58nΔ			500m		-55	125	1	E0166	FP93
47	SN5490J#	1	20M	MON	2.0%	80*	TTL	6		00	50	16n⍁					-55	125	1	E0131	M75f
48	SN7490N#	1	20M	MON	2.0%	.80*	TTL	6		00	50	16n⍁					0	70	1	E0131	M126d
49#	FJB93190	1	25MΔ	MON	20%	80*	TTL	8	10	00	5.0	52nΔ			325mt		0	70	1	E0172	M210a
50#	M53390P	1	25M%Δ	MON	20%	80*	TTL	8		00	50	50nΔ	10n	10n	325mt		0	75	1	E0320	M153b
51#	MIC54162J	1	25MΔ	MON	2.0%	80*	TTL	9	20	00	5.0	17n%			455m%	1 0 Δ	-55	125	1	E0166	M153a
52#	MIC54190J	1	25MΔ%	MON	2.0%	80*	TTL	8	20	00	5.0	24n%			325mt	1 0 Δ	-55	125	1	E0320	M153a
53#	MIC64162J	1	25MΔ	MON	20%	80*	TTL	9	20	00	50	17n%			505m%	1 0 Δ	-40	85	1	E0166	M153a
54#	MIC64190J	1	25MΔ%	MON	20%	80*	TTL	8	20	0.0	5.0	24n%			325mt	1 0 Δ	-40	85	1	E0320	M153a
55#	MIC74162J	1	25MΔ	MON	20%	80*	TTL	9	20	0.0	5.0	17n%			505m%	1 0 Δ	0	75	1	E0166	M153a
56#	MIC74162N	1	25MΔ	MON	20%	80*	TTL	9	20	00	50	17n%			505m%	1 0 Δ	0	75	1	E0166	M153a
57#	MIC74190J	1	25MΔ%	MON	20%	.80*	TTL	8	20	00	50	24n%			325mt	1.0 Δ	0	75	1	E0182	M153a
58#	MIC74190N	1	25MΔ%	MON	20%	80*	TTL	8	20	00	5.0	24n%			325mt	1 0 Δ	0	75	1	E0320	M153a
59▼	SN54LS190J	1	25MΔ%	MON	2.0%	80*	TTL	8		00	50	50nΔ			70m%		-55	125	1	E0320	M153d
60▼	SN54LS190W	1	25MΔ%	MON	2.0%	80*	TTL	8		00	50	50nΔ			70m%		-55	125	1	E0320	Δ004AG
61▼	SN74LS190J	1	25MΔ%	MON	20%	80*	TTL	8		00	50	50nΔ			70m%		0	70	1	E0320	M153d
62▼	SN74LS190N	1	25MΔ%	MON	20%	80*	TTL	8		00	5.0	50nΔ			70m%		0	70	1	E0320	M117x
63♦	SN54160J	1	25MΔ	MON	20%	80*	TTL	9	20	00	5.0	35nΔ			455m%	1 0 Δ	-55	125	1	E0164	M153d
64	SN54160N	1	25MΔ	MON	20%	.80*	TTL	9	20	0.0	50	35nΔ			455m%	1 0 Δ	-55	125	1	E0164	M117
65♦	SN54160W	1	25MΔ	MON	20%	80*	TTL	9	20	00	50	35nΔ			455m%	1.0 Δ	-55	125	1	E0164	Δ004AG
66	SN54161N	1	25MΔ	MON	20%	80*	TTL	9	20	00	50	35nΔ			455m%	1 0 Δ	-55	125	1	E0166	M117
67♦	SN54162J	1	25MΔ	MON	2.0%	80*	TTL	9	20	00	50	35nΔ			455m%	1 0 Δ	-55	125	1	E0166	M153d
68♦	SN54162W	1	25MΔ	MON	2.0%	.80*	TTL	9	20	00	50	35nΔ			455m%	1 0 Δ	-55	125	1	E0166	Δ004AG
69♦	SN54190J	1	25M%Δ	MON	20%	80*	TTL	8		00	50	50nΔ	10n	10n	325mt		-55	125	1	E0320	M153d
70	SN54190N	1	25M%Δ	MON	20%	80*	TTL	8		00	50	50nΔ	10n	10n	325mt		-55	125	1	E0320	M117m
71♦	SN54190W	1	25MΔ%	MON	20%	80*	TTL	8	10	00	50	50nΔ	10n	10n	325mt	1.0	-55	125	1	E0320	Δ004AG
72♦	SN74160J	1	25MΔ	MON	2.0%	80*	TTL	9	20	00	5.0	35nΔ			505m%	1 0 Δ	0	70	1	E0164	M153d
73♦	SN74160N	1	25MΔ	MON	20%	.80*	TTL	9	20	00	50	35nΔ			505m%	1.0 Δ	0	70	1	E0164	M117x
74♦	SN74162J	1	25MΔ	MON	20%	80*	TTL	9	20	0.0	50	35nΔ			505m%	1.0 Δ	0	70	1	E0166	M153d
75♦	SN74162N	1	25MΔ	MON	2.0%	80*	TTL	9	20	00	50	35nΔ			505m%	1 0 Δ	0	70	1	E0166	M117x
76♦	SN74190J	1	25M%Δ	MON	2.0%	80*	TTL	8		00	50	50nΔ	10n	10n	325mt		0	70	1	E0320	M153d
77♦	SN74190N	1	25M%Δ	MON	20%	.80*	TTL	8		00	50	50nΔ	10n	10n	325mt		0	70	1	E0320	M117x
78	SW54192J	1	25MΔ	MON	2.0%	80*	TTL	4	10	00	55	20nt			357mt		-55	125	1	E0148	M153
79	SW54193J	1	25MΔ	MON	20%	80*	TTL	4	10	0.0	55	20nt			357mt		-55	125	1	E0148	M153
80	SW74192J	1	25MΔ	MON	20%	80*	TTL	4	10	0.0	5 25	20nt			341mt		0	70	1	E0148	M153
81	SW74192N	1	25MΔ	MON	20%	80*	TTL	4	10	00	5 25	20nt			341mt		0	70	1	E0148	M117
82	SW74193J	1	25MΔ	MON	20%	80*	TTL	4	10	00	5 25	20nt			341mt		0	70	1	E0148	M153
83	SW74193N	1	25MΔ	MON	20%	80*	TTL	4	10	00	5 25	20nt			341mt		0	70	1	E0148	M117
84#	TL74190N	1	25Mt%	MON	20%	80*	TTL	10	10	00	5.0	52nΔ			551mt		0	70	1	E0320	M117u
85	9360FC	1	30M%	MON	2.0%	80*	TTL	8	6	00	50	47nΔ			300mt		0	75	1	E0148	FP47b
86	DM7530D	1	30M%	MON	20%	80*	TTL		10	0	50	20n%			250mt	1 0	-55	125	1		
87#	FJB9360	1	30M%Δ	MON	20%	.80*	TTL	8	10	00	50	47nΔ			300mt		0	70	1	E0171	M210a
88♦	N8285A	1	30M%	MON	20%	80*	TTL	6	12	00	50		5 0n	5 0n	360m		0	75	1	E0252	M344a
89♦	N8285F	1	30M%	MON	2.0%	80*	TTL	6	12	00	50				360m		0	75	1	E0252	M297a
90♦	S8285F	1	30M%	MON	20%	80*	TTL	6	12	00	50				360m		-55	125	1	E0252	M297a
91♦	9360DC	1	32M%	MON	20%	80*	TTL	8	6	00	50	47nΔ			510m%		0	75	1	E0148	M224c
92♦	9360DM	1	32M%	MON	2.0%	80*	TTL	8	6	00	5.0	47nΔ			445m%		-55	125	1	E0148	M224c
93♦	9360FM	1	32M%	MON	20%	.80*	TTL	8	6	00	50	47nΔ			445m%		-55	125	1	E0148	FP79b
94▼	9360PC	1	32M%	MON	20%	80*	TTL	8	6	00	50	47nΔ			510m%		0	75	1	E0148	M357
95#	FLJ401-74160	1	32M%Δ	MON	20%	.80*	TTL	9	10	00	50	35nΔ			505m§	1 0 Δ	0	70	1	E0164	M117w
96#	FLJ405-84160	1	32M%Δ	MON	2.0%	80*	TTL	9	10	00	50	35nΔ			505m§	1 0 Δ	-25	85	1	E0164	M117w
97#	FLJ421-74162	1	32M%Δ	MON	20%	80*	TTL	9	10	00	50	35nΔ			505m§	1 0 Δ	0	70	1	E0164	M117w
98#	FLJ425-84162	1	32M%Δ	MON	20%	.80*	TTL	9	10	00	50	35nΔ			505m§	1 0 Δ	-25	85	1	E0164	M117w

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

IN ORDER OF (1)TYPE OF COUNTER(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No	1 TYPE OF COUNTER	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	I741	1	32M	PCB	2 0	80	TTL	8	60	0 0	5 0	47n			975m		0	70	3		CB☑
2#	MIC54192J	1	32M%	MON	2 0%	80*	TTL	8	10	0 0	5 0	47nΔ			325m†		-55	125	1	E0148	M153a
3#	MIC64192J	1	32M%	MON	2 0%	80*	TTL	8	10	0 0	5 0	47nΔ			325m†		-40	85	1	E0148	M153a
4#	MIC74192J	1	32M%	MON	2 0%	80*	TTL	8	10	0 0	5 0	47nΔ			325m†		0	75	1	E0148	M153a
5#	MIC74192N	1	32M%	MON	2 0%	80*	TTL	8	10	0 0	5 0	47nΔ			325m†		0	75	1	E0148	M117
6#	SFC4192EM	1	32M%	MON	2 0%	80*	TTL	8	10	0 0	5 0	47nΔ			325m†		-55	125	1	E0148	M117
7#	SFC4192ET	1	32M%	MON	2 0%	80*	TTL	8	10	0 0	5 0	47nΔ			325m†		-25	85	1	E0148	M117
8♦	SN54192J	1	32M%	MON	2 0%	80*	TTL	8	60	0.0	5 0	47nΔ			325m†		-55	125	1	E0329	M153d
9	SN54192N	1	32M%	MON	2 0%	80*	TTL	8	60	0 0	5 0	47nΔ			325m†		-55	125	1	E0148	M117
10♦	SN54192W	1	32M%	MON	2.0%	80*	TTL	8	60	0 0	5 0	47nΔ			325m†		-55	125	1	E0329	Δ004AG
11♦	SN74192J	1	32M%	MON	2 0%	80*	TTL	8	60	0 0	5 0	47nΔ			325m†		0	70	1	E0329	M153d
12♦	SN74192N	1	32M%	MON	2 0%	80*	TTL	8	60	0 0	5 0	47nΔ			325m†		0	70	1	E0329	M117x
13	SW54160J	1	32M%	MON	2 0%	80*	TTL	4		0 0	5 0	35nΔ	10n	10n	325m†		-55	125	1	E0164	M117
14	SW54162J	1	32M%	MON	2.0%	80*	TTL	4		0 0	5 0	35nΔ	10n	10n	325m†		-55	125	1	E0164	M117
15	SW74160J	1	32M%	MON	2 0%	80*	TTL	4		0 0	5 0	35nΔ	10n	10n	325m†		0	70	1	E0164	M117
16	SW74162J	1	32M%	MON	2 0%	80*	TTL	4		0 0	5 0	35nΔ	10n	10n	325m†		0	70	1	E0164	M117
17#	T74192B1	1	32M%	MON	2 0%	80	TTL	8	60	0 0	5 0	47nΔ			325m†		0	70	1	E0148	M117
18#	TL74160N	1	32M†%	MON	2 0%	80*	TTL	10	20	0 0	5.0	35nΔ			511m†		0	70	1	E0164	M117u
19#	TL74162N	1	32M†%	MON	2 0%	80*	TTL	10	20	0 0	5 0	35nΔ			511m†		0	70	1	E0164	M117u
20#	TL74192N	1	32M†%	MON	2 0%	80*	TTL	10	10	0 0	5 0	47nΔ			535m†		0	70	1	E0148	M117u
21#	TL84192N	1	32M†%	MON	2 0%	80*	TTL	10	10	0 0	5 0	47nΔ			535m†		-25	85	1	E0148	M117u
22▼	SN54390J	1	35M%	MON	2 0%	80*	TTL	3	10	0 0	5 0	13n			210m%	1 0 Δ	-55	125	2	E0187	M153d
23▼	SN54390W	1	35M%	MON	2 0%	80*	TTL	3	10	0 0	5 0	13n			210m%	1 0 Δ	-55	125	2	E0187	Δ004AG
24▼	SN74390J	1	35M%	MON	2 0%	80*	TTL	3	10	0 0	5 0	13n			210m%	1 0 Δ	0	70	2	E0187	M153d
25▼	SN74390N	1	35M%	MON	2 0%	80*	TTL	3	10	0 0	5 0	13n			210m%	1.0 Δ	0	70	2	E0187	M117x
26#	FJB9310	1	45M%Δ	MON	2 0%	80*	TTL	10	8	0 0	5 0	45nΔ			325m†		0	70	1	E0147	M210a
27♦	SN74LS196W	1	50MΔ	MON	2 0%	80*	TTL	8	20	0 0	5 0	38nΔ			60m%	1 0 Δ	0	70	1	E0157a	Δ004AA
28♦	SN54196J	1	50MΔ%	MON	2 0%	80*	TTL	8		0 0	5 0	42nΔ		5 0n	240m†		-55	125	1	E0157a	M157b
29	SN54196N	1	50M	MON	2 0%	80*	TTL	8		0 0	5 0	38nΔ		5 0n	240m†		-55	125	1	E0157	M126e
30♦	SN54196W	1	50MΔ%	MON	2.0%	80*	TTL	8	10	0 0	5 0	63nΔ			240m†	1.0	-55	125	1	E0157a	Δ004AG
31♦	SN54197W	1	50MΔ%	MON	2 0%	80*	TTL	8	10	0 0	5 0	63nΔ			240m†	1 0	-55	125	1	E0167a	Δ004AG
32♦	SN74196J	1	50MΔ%	MON	2 0%	80*	TTL	8		0 0	5 0	42nΔ		5.0n	240m†		0	70	1	E0157a	M157b
33♦	SN74196N	1	50MΔ%	MON	2 0%	80*	TTL	8		0 0	5 0	63nΔ		5 0n	240m†		0	70	1	E0157a	M126e
34#	FJB93196	1	70MΔ%	MON	2 0%	80*	TTL	8	4	0 0	5 0	63nΔ			240m†		0	70	1	E0157	Δ001AA
35#	FLJ381-74196	1	70M%Δ	MON	2 0%	80*	TTL	8	20	0 0	5 0	42nΔ			295m§	1 0 Δ	0	70	1	E0157	M126p
36#	FLJ385-84196	1	70M%Δ	MON	2 0%	80*	TTL	8	20	0 0	5 0	42nΔ			295m§	1.0 Δ	-25	85	1	E0157	M126p
37#	FLJ511-49705	1	70M%	MON	2 0%	80*	TTL	3	10	0 0	5 0	38nΔ			480m†	1 0 Δ	0	70	2	E02102	M117w
38#	FLJ515-49805	1	70M%	MON	2 0%	80*	TTL	3	10	0 0	5 0	38nΔ			480m†	1 0 Δ	-25	85	2	E02102	M117w
39#	TL74196N	1	70M†%	MON	2 0%	80*	TTL	8	20	0 0	5 0	42nΔ			309m†		0	70	1	E0157	M126n
40#	TL74197N	1	70M†%	MON	2 0%	80*	TTL	8	20	0 0	5 0	63nΔ			309m†		0	70	1	E0266	M126n
41	D4210	1	10M	PCB	2 0%	95*	TTL			0	5 0		10n†	10n†		1 0 Δ	0	75			CB☑
42	SN5490J	1	20M	MON	2 4%	40*	TTL	6	10	0	5 0	50n	10n†	10n†	160mΔ	1 0 Δ	-55	125	1	E0131	M75a
43	SN5490N	1	20M	MON	2 4%	40*	TTL	6	10	0	5 0	50n	10n†	10n†	160mΔ	1 0 Δ	-55	125	1	E0131	M75a
44	US7490A	1	20M	MON	2 4%	40*	TTL	6	10	0 0	5 0	50n	10n†	10n†	160mΔ	1 0 Δ	-55	125	1	E0131	M105b
45	US7490J	1	20M	MON	2 4%	40*	TTL	6	10	0 0	5 0	50n	10n†	10n†	160mΔ	1 0 Δ	-55	125	1	E0131	TO88
46	MC4050L	1	35M†%	MON	2 4%	40*†	TTL	6	8	0 0	5 0				450m†		0	75	1	K15353	M191
47	MC4050P	1	35M†%	MON	2 4%	40*†	TTL	6	8	0 0	5 0				450m†		0	75	1	K15353	M278
48	MC4051P	1	35M†%	MON	2 4%	40*†	TTL	6	8	0 0	5.0				450m†		0	75	1	K15353	M278
49	MC4350L	1	35M†%	MON	2 4%	40*†	TTL	6	8	0 0	5 0				450m†		-55	125	1	K15353	M191
50	MC54450F	1	40M†%	MON	2 4%	40*†	TTL	6	8	0 0	5 0				450m†		-55	125	1	K15353	FP85
51	MC54450L	1	40M†%	MON	2 4%	40*†	TTL	6	8	0 0	5 0				450m†		-55	125	1	K15353	M191
52	MC74450F	1	40M†%	MON	2 4%	40*†	TTL	6	8	0 0	5 0				450m†		0	75	1	K15353	FP85
53	MC74450L	1	40M†%	MON	2 4%	40*†	TTL	6	8	0 0	5 0				450m†		0	75	1	K15353	M191
54	MC74450P	1	40M†%	MON	2 4%	40*†	TTL	6	8	0.0	5 0				450m†		0	75	1	K15353	M278
55	MC4051F	1	35M†%	MON	2 4%	80*†	TTL	6	8	0 0	5 0				450m†		0	75	1	K15353	FP85
56	MC4051L	1	35M†%	MON	2 4%	80*†	TTL	6	8	0 0	5 0				450m†		0	75	1	K15353	M191
57	MC4050F	1	40M†%	MON	2 4%	80*†	TTL	6	8	0 0	5.0				450m†		0	75	1	K15353	FP85
58	MC4350F	1	40M†%	MON	2 4%	80*†	TTL	6	8	0 0	5 0				450m†		-55	125	1	K15353	FP85
59	N8285Q	1		MON	2 6%	40†	TTL	6	12	0 0	5 0		5 0n	5 0n	420m		0	75	1	E0252	TO88
60	N8292A	1	10M†%	MON	2 6%	40†	TTL	8	4	0 0	5 0		5 0n	5.0n	69m		0	75	1	E0249	M105q
61	N8292F	1	10M†%	MON	2 6%	40†*	TTL	8		0 0	5 0				69m		0	75	1	E0249	M157
62	N8292Q	1	10M†%	MON	2 6%	40†	TTL	8	4	0 0	5 0		5 0n	5 0n	69m		0	75	1	E0249	TO88
63	S8292A	1	10M†%	MON	2 6%	40†	TTL	8	4	0 0	5 0		5 0n	5 0n	69m		-55	125	1	E0249	M105q
64	S8292F	1	10M†%	MON	2 6%	40†*	TTL	8		0.0	5 0				69m		-55	125	1	E0249	M157
65	S8292Q	1	10M†%	MON	2 6%	40†	TTL	8	4	0 0	5 0		5 0n	5 0n	69m		-55	125	1	E0249	TO88
66	S8285A	1	30M%	MON	2 6%	40†*	TTL	6		0 0	5 0				420m		-55	125	1	E0252	TO116
67	S8285Q	1	30M%	MON	2 6%	40†*	TTL	6		0 0	5 0				420m		-55	125	1	E0252	TO88
68	N8290A	1	60M†%	MON	2 6%	40†	TTL	8	12	0 0	5 0		5 0n	5 0n	255m		0	75	1	E0249	M105q
69	N8290F	1	60M†%	MON	2 6%	40†*	TTL	8		0 0	5 0				255m		0	75	1	E0249	M157
70	N8290Q	1	60M†%	MON	2 6%	40†	TTL	8	12	0 0	5 0		5 0n	5 0n	255m		0	75	1	E0249	TO88
71	S8290A	1	60M†%	MON	2 6%	40†	TTL	8	12	0 0	5 0		5 0n	5 0n	255m		-55	125	1	E0249	M105q
72	S8290F	1	60M†%	MON	2 6%	40†*	TTL	8		0 0	5 0				255m		-55	125	1	E0249	M157
73	S8290Q	1	60M†%	MON	2 6%	40†	TTL	8	12	0 0	5 0		5 0n	5 0n	255m		-55	125	1	E0249	TO88
74	TRC2525F	1	25MΔ	MON	3 2%	45*†	TTL	8	15	0	7 0	30nΔ			180m†		-55	125	1	E0137	FP21c
75	TRC2525P	1	25MΔ	MON	3.2%	45*†	TTL	8	15	0	7 0	30nΔ			180m†		-55	125	1	E0137	TO116
76	TRC2526F	1	25MΔ	MON	3 2%	45*†	TTL	8	15	0	7 0	30nΔ			180m†		0	75	1	E0137	FP21c
77	TRC2526P	1	25MΔ	MON	3 2%	45*†	TTL	8	15	0	7 0	30nΔ			180m†		0	75	1	E0137	TO116
78	TRC2527F	1	25MΔ	MON	3 2%	45*†	TTL	8	7	0	7.0	30nΔ			180m†		-55	125	1	E0137	FP21c
79	TRC2527P	1	25MΔ	MON	3 2%	45*†	TTL	8	7	0	7 0	30nΔ			180m†		-55	125	1	E0137	TO116
80	TRC2528F	1	25MΔ	MON	3 2%	45*†	TTL	8	7	0	7 0	30nΔ			180m†		0	75	1	E0137	FP21c
81	TRC2528P	1	25MΔ	MON	3 2%	45*†	TTL	8	7	0	7 0	30nΔ			180m†		0	75	1	E0137	TO116
82	RL173D	1	10MØ	MON	3 3%	30%	TTL	7	12	0 0	5 25	40nΔ	8 0n	5 0n	275m	400m*	0	75	1	E0264	TO116
83	RL191D	1	15MØ	MON	3 3%	30%	TTL	7	12	0 0	5 5	40nΔ	8 0n	5 0n	400m	400m*	-55	125	1	E0156	TO116
84	RL193D	1	15MØ	MON	3 3%	30%	TTL	7	12	0 0	5 25	40nΔ	8 0n	5 0n	400m	400m*	0	75	1	E0156	TO116
85	RL151D	1	20MØ	MON	3 3%	30%	TTL	11	12	0 0	5 5	37nΔ	8 0n	5 0n	200m	400m*	-55	125	1	E0155	TO116
86	RL153D	1	20MØ	MON	3 3%	30%	TTL	11	12	0 0	5 25	37nΔ	8 0n	5 0n	200m	400m*	0	75	1	E0155	TO116
87	N82S90A	1	100M†%	MON	3 5	50†	TTL	8		0 0	5 0	22nΔ			461m		0	75	1	E0249	M318
88	N82S90F	1	100M†%	MON	3 5	50†	TTL	8		0 0	5 0	22nΔ			461m		0	75	1	E0249	M257b
89	T108	1	10M	PCB	5 0	0 0	TTL	9	6	4 8	5 2	20n			1 2	1 0	0	70	3		CB☑
90	T106☑	1	15M	PCB	5 0	0 0	TTL	8	10	0 0	5 0	34n			750m%	1 0			3	K168	CB☑
91	M103	1	2.5M	PCB	10	0 0	TTL	2	50	0 0	10	400n			400u	4 5	-55	95	4		CB☑
92	D4032	1 2	5 0M	PCB	2 0%	95*	DTL	4†	11	0	5 0	40n%	50n†	15n†	600m	1 0 Δ	0	75	2		CB☑
93	CM4029AD	1,2	5 0M†Δ	MOS	10	0 0†		9		0 0	10	300nΔ	15uΔ	15uΔ	200m	4.5 Δ	-55	125	1	E0611	M210b
94	CM4029AE	1,2	5 0M†Δ	MOS	10	0 0†		9		0 0	10	600nΔ	15uΔ	15uΔ	200m	4 5 Δ	-40	85	1	E0611	M210b
95	K210	1,2	100k	PCB	5 0	0 0	DTL	2	15	0	5 0	5 0u	240u	120u	750m	1 6	0	65			
96	9350DC	1F	18M%	MON	1 8%	85*	TTL	6	10	0 0	5 25	100nΔ			160m%	400m	0	75	1	E0151	M105ad
97	ITT5490J	1F	18M%Δ	MON	2 0%	70*	TTL	6	10	0.0	5 0	100nΔ			160m†	1 0 Δ	-55	125	1	E0131	M157
98	SN5490S	1F	18M%Δ	MON	2 0%	70*	TTL	6	10	0 0	5 0	100nΔ			160m†	1.0 Δ	-55	125	1	E0131	TO84
99	SN7490AW	1F	18M%Δ	MON	2 0%	70*	TTL	6	10	0 0	5 0	100nΔ			160m†	1 0 Δ	0	70	1	E0131	TO84
100▼	SN74490J	1F	35mΔ%	MON	2 0%	80*	TTL	3	10	0 0	5 0	13n			225m%	1 0 Δ	0	70	2	E0188	M117x
101	9390DC	1F	10MØ	MON	2 0%	80*	TTL	4	10	0.0	5 0	100nΔ			275m§		0	70	1	E0131	TO116
102	9390DM	1F	10MØ	MON	2 0%	80*	TTL	4	10	0 0	5 0	100nΔ			275m§		-55	125	1	E0131	TO116
103	9390FC	1F	10MØ	MON	2 0%	80*	TTL	4	10	0 0	5 0	100nΔ			275m§		0	70	1	E0131	FP52d
104	9390FM	1F	10MØ	MON	2 0%	80*	TTL	4	10	0 0	5 0	100nΔ			275m§		-55	125	1	E0131	FP52d
105#	FJJ141	1F	10MΔØ	MON	2 0%	80*	TTL	6	10	0 0	5 0	100nΔ			160m†	1 0 Δ	0	70	1	E0131	TO116
106	SW5490J	1F	10MΔ	MON	2 0%	80*	TTL	6	10	0 0	5 0	100nΔ			160m†	1 0	-55	125	1	E0131	M114
107	SW7490J	1F	10MΔ	MON	2 0%	80*	TTL	6	10	0 0	5.25	100nΔ			160m†	1 0	0	70	1	E0131	M114
108	SW7490N	1F	10MΔ	MON	2 0%	80*	TTL	6	10	0 0	5 25	100nΔ			160m†	1 0	0	70	1	E0131	M105n
109♦	SN5490AJ	1F	16MØ	MON	2 0%	80*	TTL	6	10	0 0	5 0	50nΔ			145m†	1 0 Δ	-55	125	1	E0131	M157b
110♦	SN5490AW	1F	16MØ	MON	2 0%	80*	TTL	6	10	0 0	5 0	50nΔ			145m†	1 0 Δ	-55	125	1	E0131	Δ004AA

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

6. COUNTERS

IN ORDER OF (1)TYPE OF COUNTER(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF COUNTER	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1♦	SN7490AJ	1F	16MØ	MON	20%	.80*	TTL	6	10	0 0	5.0	50nΔ			145mt	1 0 Δ	0	70	1	E0131	M157b
2♦	SN7490AN	1F	16MØ	MON	20%	.80*	TTL	6	10	0.0	5 0	50nΔ			145mt	1.0 Δ	0	70	1	E0131	M126e
3#	M53290P	1F	18M%	MON	20%	.80*	TTL	6	40	0.0	7.0	60n%			160mt	1.0 Δ	0	75	1	E0131	M105j
4#	MIC5490J	1F	18MΔ%	MON	20%	.80*	TTL	6	10	0 0	5.0	100nΔ			135mt	500m	-55	125	1	E0131	TO116
5#	MIC6490J	1F	18MΔ%	MON	20%	.80*	TTL	6	10	0.0	5.0	100nΔ			135mt	500m	-40	85	1	E0131	TO116
6#	MIC7490J	1F	18MΔ%	MON	20%	.80*	TTL	6	10	0.0	5.0	100nΔ			135mt	500m	0	75	1	E0131	TO116
7#	MIC7490N	1F	18MΔ%	MON	20%	.80*	TTL	6	10	0.0	5.0	100nΔ			135mt	500m	0	75	1	E0131	TO116
8	NC7490N	1F	18M%	MON	20%	.80*	TTL	6	40	0	7 0	75n%			160mt	1.0	0	70	1		TO116
9#	SN6490N	1F	18M%	MON	20%	.80*	TTL	6	40	0.0	7.0	75n%			160mt	1.0m	-40	85	1	E0131	M75a
10#	T7490B1	1F	18M%	MON	20%	.80*	TTL	6	40	0 0	7 0	100nΔ			160mt	1 0 Δ	0	70	1		M126h
11	TRW7490#1	1F	18M%	MON	20%	.80	TTL	6	40	0 0	7 0	75n%			160m	1.0	0	70	1	E0280	M126
12	TRW7490#2	1F	18M%	MON	20%	80	TTL	6	40	0.0	7.0	75n%			160m	1.0	0	70	1	E0280	M157
13▼	SN54490J	1F	35MΔ%	MON	20%	.80*	TTL	3	10	0 0	5 0	13n			225m%	1 0 Δ	-55	125	2	E0188	M153d
14▼	SN54490W	1F	35MΔ%	MON	20%	.80*	TTL	3	10	0.0	5.0	13n			225m%	1 0 Δ	-55	125	2	E0188	Δ004AG
15▼	SN74490N	1F	35MΔ%	MON	20%	80*	TTL	3	10	0.0	5.0	13n			225m%	1.0 Δ	0	70	2	E0188	M153d
16	SN74190W	1F,4R	20M	MON	24	40	TTL	8	10	0 0	5.0	20n			550m	1 0	0	70	1	E0320	Δ004AG
17	DM75L52F	1L	11MΔ%		2.4%	.70*		6		0 0	5 0	150nΔ			260m%		-55	125	1	E0178	FP88
18	DM75L52J	1L	11MΔ%		2.4%	70*		6		0.0	5.0	150nΔ			260m%		-55	125	1	E0178	M200e
19	DM75L52N	1L	11MΔ%		2.4%	.70*		6		0 0	5.0	150nΔ			260m%		-55	125	1	E0178	M117t
20	DM85L52F	1L	11MΔ%		2.4%	.70*		6		0.0	5.0	150nΔ			260m%		0	70	1	E0178	FP88
21	DM85L52J	1L	11MΔ%		2.4%	.70*		6		0.0	5.0	150nΔ			260m%		0	70	1	E0178	M200e
22	DM85L52N	1L	11MΔ%		2.4%	70*		6		0.0	5 0	150nΔ			260m%		0	70	1	E0178	M117t
23	MRC1D	1R	5 0M	PCB	5 0	0.0		13	16	0	5.0				540m	1 0	0	70	4		
24	K220	1R	10k	PCB	5.0	0	DTL	2	15	0	5.0	5.0u	240u	120u	1.1	1.6	0	65			
25▼	SN54S168J	1RU	70MΔ%	MON	20%	80*	TTL	9	10	0 0	5.0	11n			500m%	1 0 Δ	-55	125	1	E0185	M153d
26▼	SN54S168W	1RU	70MΔ%	MON	20%	.80*	TTL	9	10	0 0	5 0	11n			500m%	1 0 Δ	-55	125	1	E0185	Δ004AG
27▼	SN74S168J	1RU	70MΔ%	MON	20%	.80*	TTL	9	10	0.0	5.0	11n			500m%	1 0 Δ	0	70	1	E0185	M153d
28▼	SN74S168N	1RU	70MΔ%	MON	20%	.80*	TTL	9	10	0.0	5 0	11n			500m%	1 0 Δ	0	70	1	E0185	M117x
29▼	SN54S162J	1U	70MΔ%	MON	20%	80*	TTL	9	10	0 0	5 0	10n			475m%	1.0 Δ	-55	125	1	E0184	M153d
30▼	SN54S162W	1U	70MΔ%	MON	20%	80*	TTL	9	10	0.0	5.0	10n			475m%	1.0 Δ	-55	125	1	E0184	Δ004AG
31▼	SN74S162J	1U	70MΔ%	MON	20%	.80*	TTL	9	10	0.0	5 0	10n			475m%	1.0 Δ	0	70	1	E0184	M153d
32▼	SN74S162N	1U	70MΔ%	MON	20%	80*	TTL	9	10	0.0	5.0	10n			475m%	1 0 Δ	0	70	1	E0184	M117x
33	DM76L76D	2	13MΔ%		20%	.70*		9		0 0	5 0	140nΔ			32mt		-55	125	1	E0179	M224b
34	DM76L76N	2	13MΔ%		20%	70*		9		0 0	5.0	140nΔ			32mt		-55	125	1	E0179	M117t
35	DM76L76W	2	13MΔ%		20%	.70*		9		0 0	5 0	140nΔ			32mt		-55	125	1	E0179	FP88
36	DM86L76N	2	13MΔ%		20%	70*		9		0 0	5 0	140nΔ			32mt		0	70	1	E0179	M117t
37	DM86L76W	2	13MΔ%		20%	.70*		9		0.0	5.0	140nΔ			32mt		0	70	1	E0179	FP88
38	DM76L93D	2	15M%Δ		20%	.70*		2	20	0.0	5.0	400nΔ			18mt		-55	125	1	E0253	M297a
39	DM76L93F	2	15M%Δ		20%	.70*		2	20	0.0	5.0	400nΔ			18mt		-55	125	1	E0253	FP87
40	DM76L93N	2	15M%Δ		20%	.70*		2	20	0.0	5.0	400nΔ			18mt		-55	125	1	E0253	M126m
41	DM86L93D	2	15M%Δ		20%	.70*		2	20	0 0	5.0	400nΔ			18mt		0	70	1	E0253	M297a
42	DM86L93F	2	15M%Δ		20%	.70*		2	20	0 0	5.0	400nΔ			18mt		0	70	1	E0253	FP87
43	DM86L93N	2	15M%Δ		20%	.70*		2	20	0.0	5.0	400nΔ			18mt		0	70	1	E0253	M126m
44	SN54L93D	2	15M%Δ		20%	.70*		2	20	0 0	5.0	400nΔ			18mt		-55	125	1	E0253a	M297a
45	SN54L93F	2	15M%Δ		20%	.70*		2	20	0 0	5 0	400nΔ			18mt		-55	125	1	E0253a	FP87
46	SN74L93D	2	15M%Δ		20%	70*		2	20	0 0	5.0	400nΔ			18mt		0	70	1	E0253a	M297a
47	SN74L93F	2	15M%Δ		20%	70*		2	20	0 0	5.0	400nΔ			18mt		0	70	1	E0253a	FP87
48#	ZN7493E	2	18M%	MON	20%	.80*		2		0.0	5.0	135nΔ			160m%		0	70	1	E0295	M126
49#	ZN7493F	2	18M%	MON	20%	.80*		2		0.0	5 0	135nΔ			160m%		0	70	1	E0295	TO86
50	MIC9316-1B	2			2.4%	.40*		10	6	0 0	5.0	14n			300mt		-55	125	1	E0147	FP47b
51	MIC9316-1D	2			2 4%	40*		10	6	0.0	5.0	14n			300mt		-55	125	1	E0147	M153a
52	MIC9316-5B	2			2 4%	45*		10	6	0 0	5 0	14n			300mt		0	75	1	E0147	FP47b
53	MIC9316-5D	2			2.4%	.45*		10	6	0.0	5 0	14n			300mt		0	75	1	E0147	M153a
54	54R193	2	35M		2.5	40			10	0.0	5 0	34n			445m		-55	125			
55	74R193	2	35M		2 5	.40			10	0.0	5.0	34n			445m		0	75			
56	N8281A	2	25Mt%	MON	2 6%	50*†		8	8	0	5.0	25n%Δ		50n	194m	1.0 Δ	0	75	1	E0237	TO116
57	S8281A	2	25Mt%	MON	2.6%	.50*†		8	8	0	5.0	25n%Δ		50n	194m	1.0 Δ	-55	125	1	E0237	TO116
58	MC14526AL	2	5.0M%	MOS	4 99%	.01*†		9		0.0	15	100n%	35nt	35nt	1.0u%		-55	125	1	E0293	M191
59	MC14526CL	2	5.0M%	MOS	4.99%	.01*†		9		0.0	15	100n%	35nt	35nt	1.0u%		-40	85	1	E0293	M191
60	MC14526CP	2	5.0M%	MOS	4.99%	.01*†		9		0 0	15	100n%	35nt	35nt	1 0u%		-40	85	1	E0293	M278
61	MPC2B	2	2.0M	PCB	5 0	0 0		16	16	0	5 0	75n			250m	1 0	0	70	2	E066	CB53
62#	FZJ151	2	500k%	MON	7 5%	4.5*		9	10	0.0	12					5.0 Δ	0	70	1	E0284	
63#	FZJ155	2	500k%	MON	7 5%	4.5*		9	10	0 0	12					5 0 Δ	-25	85	1	E0284	
64#	H156D1	2	1.0M%	MON	8 0%	6.0*		7	25	0 0	20	600nΔ			720m		0	75	1	E0283	TO116
65#	H156D6	2	1.0M%	MON	8 0%	6.0*		7	25	0 0	16	600nΔ			464m		-40	85	1	E0283	TO116
66	MC14024CL,P%	2		MOS	9 99%	.01*†		2		0 0	10		110n	110n	10u	4.5 †	-40	85	1	E0154	TO116
67	MC14024AL	2	8.0 %	MOS	9 99%	.01*†		2		0.0	10		75n	75n	1 0u	4 5 †	-55	125	1	E0154	TO116
68	MC14520AL	2	6.0M%	MOS	9 99%	.01*†		3		0 0	10	100n%	75nt	75nt	4.0u%		-55	125	1	E0293	M191
69	MC14520CL	2	6.0M%	MOS	9.99%	.01*†		3		0.0	10	100n%	110nt	110nt	4.0u%		-40	85	1	E0293	M191
70	MC14520CP	2	6 0M%	MOS	9.99%	.01*†		3		0.0	10	100n%	110nt	110nt	4 0u%		-40	85	1	E0293	M278
71	MC14020AL	2	9 0M%	MOS	9.99%	.01*†		2		0.0	10		75n	75n	100u		-55	125	1	E02103	M191
72	MC14020CL	2	9 0M%	MOS	9.99%	.01*†		2		0.0	10		110n	110n	1.0m		-40	85	1	E02103	M191
73	MC14020CP	2	9.0M%	MOS	9.99%	01*†		2		0 0	10		110n	110n	1.0m		-40	85	1	E02103	M278
74♦	MC14040AL	2	9.0MΔ%	MOS	9 99%	.01*†		2		0 0	10	200n	75n	75n	200nt		-55	125	1	E0291	M191
75♦	MC14040CL	2	9.0MΔ%	MOS	9.99%	.01*†		2		0 0	10	200n	110n	110n	200nt		-40	85	1	E0291	M191
76♦	MC14040CP	2	9.0MΔ%	MOS	9 99%	.01*†		2		0 0	10	200n	110n	110n	200nt		-40	85	1	E0291	M278
77	S1694	2	1 0M	MOS	-4.2	-1 2				12	5 0				1.5m	1 0	0	70			
78	SCL4040AD	2		MOS	10	0 0†		2		0.0	10	225nΔ	5.0mt	5.0mt	200m	4.5 Δ	-55	125	1	E0296	Δ001AD
79	SCL4040AE	2		MOS	10	0 0†		2		0 0	10	225nΔ	5.0mt	5.0mt	200m	4 5 Δ	-40	85	1	E0296	Δ001AB
80	SCL4040AF	2		MOS	10	0.0†		2		0.0	10	225nΔ	5 0mt	5 0mt	200m	4 5 Δ	-55	125	1	E0296	Δ004AF
81	SCL4404AD	2	6.5MΔ	MOS	10	0.0†		2	50	0 0	10	150nΔ	1 5mt	35ut	200m	4.5 Δ	-55	125	1	E0297	Δ001AD
82	SCL4404AE	2	6 5MΔ	MOS	10	0.0†		2	50	0 0	10	150nΔ	1.5mt	35ut	200m	4.5 Δ	-40	85	1	E0297	Δ001AB
83	SCL4404AF	2	6.5MΔ	MOS	10	0.0†		2	50	0.0	10	150nΔ	1 5mt	35ut	200m	4.5 Δ	-55	125	1	E0297	Δ004AF
84	SCL4404AT	2	6.5MΔ	MOS	10	0 0†		2	50	0 0	10	150nΔ	1.5mt	35ut	200m	4.5 Δ	-55	125	1	E0297	TO99
85	CD4020AD	2	7.0MΔ%	MOS	10	0 0†		2		0.0	10	150n	15uΔ	15uΔ	250u%	4 5 Δ	-55	125	1	E0272	Δ001AE
86	CD4020AE	2	7.0MΔ%	MOS	10	0 0†		2		0.0	10	150n	15uΔ	15uΔ	1.0m%	4 5 Δ	-40	85	1	E0272	Δ001AC
87	CD4020AK	2	7.0MΔ%	MOS	10	0.0†		2		0.0	10	150n	15uΔ	15uΔ	250u%	4.5 Δ	-55	125	1	E0272	Δ004AG
88	CD4024AD	2	7.0M%	MOS	10	0 0†		2	50	0.0	10	125nΔ	10uΔ	10uΔ	100u%	4.5 Δ	-55	125	1	E0154	Δ001AD
89	CD4024AE	2	7.0M%	MOS	10	0.0†		2	50	0 0	10	150nΔ	10uΔ	10uΔ	1 0m%	4 5 Δ	-40	85	1	E0154	Δ001AB
90	CD4024AK	2	7.0M%	MOS	10	0.0†		2	50	0.0	10	125nΔ	10uΔ	10uΔ	100u%	4.5 Δ	-55	125	1	E0154	Δ004AF
91	CD4024AT	2	7.0M%	MOS	10	0.0†		2	50	0 0	10	125nΔ	10uΔ	10uΔ	100u%	4 5 Δ	-55	125	1	E0154a	Δ006AG
92	CM4020AD	2	8 0Mt Δ	MOS	10	0.0†		2		0 0	10	225nΔ	15uΔ	15uΔ	200m	4 5 Δ	-55	125	1	E0272	M105av
93	CM4020AE	2	8.0Mt Δ	MOS	10	0 0†		2		0 0	10	250nΔ	15uΔ	15uΔ	200m	4.5 Δ	-40	85	1	E0272	M105av
94	SCL4020AD	2	8.0M	MOS	10	0 0		2	50	0 0	10	225n	15u	15u	250u%	4.5	-55	125	1	E0261	Δ001AE
95	SCL4020AE	2	8.0M	MOS	10	0.0		2	50	0.0	10	225n	15u	15u	250u%	4 5	-40	85	1	E0261	Δ001AC
96	SCL4020AF	2	8 0M	MOS	10	0 0		2	50	0 0	10	225n	15u	15u	250u%	4.5	-55	125	1	E0261	Δ004AG
97	CD4045AD	2	10M%	MOS	10	0 0†		4		0 0	10		15u	15u	15u%	4.5 Δ	-55	125	1	E0285	Δ002AE
98	CD4045AE	2	10M%	MOS	10	0 0†		4		0.0	10		15u	15u	30u%	4.5 Δ	-40	85	1	E0285	Δ001AC
99	CD4045AK	2	10M%	MOS	10	0.0†		4		0 0	10		15u	15u	15u%	4.5 Δ	-55	125	1	E0285	Δ004AG
100	CM4004AD	2	10M%	MOS	10	0.0†		2		0 0	10	25nΔ	10uΔ	10uΔ	200m	4 5 Δ	-55	125	1	E0154	M105av
101	CM4004AE	2	10M%	MOS	10	0.0†		2		0 0	10	50nΔ	10uΔ	10uΔ	200m	4 5 Δ	-40	85	1	E0154	M105av
102	CM4024AD	2	10M%	MOS	10	0.0†		2		0.0	10	25nΔ	10uΔ	10uΔ	200m	4.5 Δ	-55	125	1	E0154	M105av
103	CM4024AE	2	10M%	MOS	10	0 0†		2		0 0	10	50nΔ	10uΔ	10uΔ	200m	4 5 Δ	-40	85	1	E0154	M105av
104	CM4040AD	2	10M	MOS	10	0 0		2		0 0	10	125n	15uΔ	15uΔ	200m		-55	125	1	E0298	M210b
105	CM4040AE	2	10M	MOS	10	0 0		2		0.0	10	125n	15uΔ	15uΔ	200m		-40	85	1	E0298	M210b
106	SCL4024AD	2	10M	MOS	10	0 0		2	50	0 0	10	125n	10u	10u	100u%	4.5	-55	125	1	E0154	Δ001AD
107	SCL4024AE	2	10M	MOS	10	0 0		2	50	0 0	10	125n	10u	10u	100u%	4.5	-40	85	1	E0154	Δ001AB
108	SCL4024AF	2	10M	MOS	10	0 0		2	50	0.0	10	125n	10u	10u	100u%	4.5	-55	125	1	E0154	Δ004AF
109	SCL4024AT	2	10M	MOS	10	0.0		2	50	0.0	10	125n	10u	10u	100u%	4.5	-55	125	1	E0154	TO99
110▼	TA6179W	2	10M%	MOS	5 0	0 0†	CMS	2		0.0	5 0	125n	10ut	10ut	200m	2.0 Δ	-55	125	1	E0261	Δ001AE

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

6. COUNTERS

IN ORDER OF (1)TYPE OF COUNTER(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF COUNTER	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	CD4040AD	2		MOS	10	0 0†	CMS	2	50	0 0	10	900nΔ	15u	7 5u	200m	4.5 Δ	-55	125	1	E0299	Δ001AE
2	CD4040AE	2		MOS	10	0 0†	CMS	2	50	0 0	10	950nΔ	15u	7.5u	200m	4.5 Δ	-40	85	1	E0299	Δ001AC
3	CD4040AH	2		MOS	10	0 0†	CMS	2	50	0.0	10	900nΔ	15u	7.5u	200m	4.5 Δ	-55	125	1	E0299	FC6
4	CD4040AK	2		MOS	10	0.0†	CMS	2	50	0.0	10	900nΔ	15u	7.5u	200m	4.5 Δ	-55	125	1	E0299	Δ004AG
5▼	CD4060AE	2	1 0M%	MOS	10	0 0†	CMS	3		0 0	10	225nΔ	7 5u†	7.5u	200m	4.5 Δ	-40	85	1	E02109	Δ001AC
6▼	CD4520BE	2	6.0MΔ%	MOS	10	0.0†	CMS	3		0.0	10	100n	15u†	15u†	200m	4 5 Δ	-40	85	2	E0292	Δ001AB
7	SCL4520AD	2	8 0MΔ	MOS	10	0 0†	CMS	3		0 0	10	100n	15uΔ	15uΔ	200m	4.5 Δ	-55	125	1	E0292	Δ002AE
8	SCL4520AE	2	8 0MΔ	MOS	10	0 0†	CMS	3		0.0	10	100n	15uΔ	15uΔ	200m	4.5 Δ	-40	85	1	E0292	Δ001AC
9	SCL4520AF	2	8.0MΔ	MOS	10	0 0†	CMS	3		0.0	10	100n	15uΔ	15uΔ	200m	4.5 Δ	-55	125	1	E0202	Δ004AG
10	SCL4445AD	2	10MΔ%	MOS	10	0 0†	CMS	4		0 0	10		15uΔ	15uΔ	200m	4.5 Δ	-55	125	1	E02101	Δ002AE
11	SCL4445AE	2	10MΔ%	MOS	10	0.0†	CMS	4		0.0	10		15uΔ	15uΔ	200m	4.5 Δ	-40	85	1	E02101	Δ001AC
12	RM213D	2	11Mt	MON	2.0%	1.0*	DTL	7	15	0	6.0				50mt	550m	-55	125	1		M105m
13	RM213G	2	11Mt	MON	2.0%	1 0*	DTL	7	15	0	6.0				50mt	550m	-55	125	1		TO84
14	RM213T	2	11Mt	MON	2 0%	1 0*	DTL	7	15	0	6.0				50mt	550m	-55	125	1		TO101
15▼	SW939-2P	2	30M%	MON	2.0%	1.2*	DTL	6	8†	0.0	8.0				150m	1.0	-55	125	1		
16#	DN851	2		MON	2 6%	.40*	DTL	5	4	0 0	5.0				230m%		-20	65	1	E02100	M294
17	HEPC1039P-RT	2	30M%	MON	2.6%	45*†	DTL	6	8	0 0	5 0	25nΔ			150mt	1.0 Δ	0	75	1	E0278	TO116
18#	FCJ141	2	7 0M%Δ	MON	3 9%	40†*	DTL	2	8	0 0	6.0	200n%	200n	200n	180mt	1.2 Δ	0	75	1	E0269	M126f
19	MSC2B	2		PCB	4 0	.40	DTL			0.0	5 0	25n			1 2 †		0	55	2		
20	I101	2	5.0M	PCB	5 0	0 0	DTL	2	10	4 8	5.2	50n	50n	25n	900m	1.0	0	70	12		CBØ
21	MC685L	2	500kt Ø	MON	12.5%	1.50*†	DTL	8	10	0 0	15				480mt		-30	75	1	E0294	M191
22	MC685P	2	500kt Ø	MON	12.5%	1 50*†	DTL	8	10	0.0	15				480mt		-30	75	1	E0294	M278
23	MC1654L	2	325Mt%	MON	-80	-1 7	ECT	7		5 2	0.0		2.1n	2.0n	750mt		0	75	1	E0288	M191
24▼	MC10178L	2	150Mt%	MON	-96%	-1.6*†	ECT	7		5.2	0.0	6 0n%	2 5n†	2.5n†	370mt		-30	85	1	E02104	M191
25	N74161B	2	25MΔ	MON	2.0%	85*	ECT	9	20	5.2	0 0	35nΔ			325mt	200m	0	70	1	E0271	M256
26	N74161R	2	25MΔ	MON	2.0%	85*	ECT	9	20	5 2	0 0	35nΔ			325mt	200m	0	70	1	E0271	FP79a
27	S54161B	2	25MΔ	MON	2.0%	.85*	ECT	9	20	5 2	0 0	35nΔ			325mt	200m	-55	125	1	E0271	M256
28	S54161E	2	25MΔ	MON	2 0%	85*	ECT	9	20	5 2	0 0	35nΔ			325mt	200m	-55	125	1	E0271	M153a
29	S54161R	2	25MΔ	MON	2.0%	85*	ECT	9	20	5.2	0 0	35nΔ			325mt	200m	-55	125	1	E0271	FP79a
30	MC777P	2	4.0Mt	MON	85%	46*	RTL	6	10	0.0	3.6				180mt		15	55	1	E0244	TO116
31	MC877P	2	4 0Mt	MON	88%	50*	RTL	6	10	0.0	3 6				180mt		0	75	1	E0244	TO116
32#	MIC54161J	2	15M%	MON	1 7%	90*	TTL	4	6	0.0	5 0	20n			300mt		-55	125	1	E0147	M153a
33#	MIC64161J	2	15M%	MON	1 7%	.90*	TTL	4	6	0 0	5.0	20n			300mt		-48	85	1	E0147	M153a
34#	MIC74161J	2	15M%	MON	1 7%	90*	TTL	4	6	0.0	5.0	20n			300mt		0	75	1	E0147	M153a
35#	MIC74161N	2	15M%	MON	1 7%	.90*	TTL	4	6	0.0	5 0	20n			300mt		0	75	1	E0147	M117
36	9316FC	2	15M%	MON	1.8%	.85*	TTL	4	6	0.0	5 0	20n			300mt	400m	0	75	1	E0147	FP47a
37▼	5524B	2	20MΔ	PCB	2 0%	.45*	TTL	8	10	0 0	7.0	37nΔ			975mt		0	70	3		CB62
38▼	5523	2	25MΔ	PCB	2 0%	45*	TTL	9	10	0 0	7 0	23n			975mt		0	70	3		CB62
39▼	5523B	2	25MΔ	PCB	2.0%	45*	TTL	9	10	0 0	7.0	23n			975mt		0	70	3		CB62
40♦	5524	2	25MΔ	PCB	2.0%	.45*	TTL	8	10	0.0	7 0	35n			975mt		0	70	3	E0274	CB62
41▼	5522	2	50MΔ%	PCB	2.0%	.45*	TTL	6	10	0 0	5.0	38n			1.0 †		0	70	4		CB62
42♦	SN54L193J	2	7.0M%	MON	2.0%	.70*	TTL	8	10	0.0	5 0	135n%			43mt	1.0 Δ	-55	125	1	E0332a	M153d
43♦	SN74L193J	2	7.0M%	MON	2 0%	.70*	TTL	8	10	0.0	5.0	135n%			43mt	1 0 Δ	0	70	1	E0332a	M153d
44♦	SN74L193N	2	7 0M%	MON	2 0%	70*	TTL	8	10	0 0	5.0	135n%			43mt	1.0 Δ	0	70	1	E0332a	M117x
45♦	93L16DC	2	13M%	MON	2.0%	.70*	TTL	9		0 0	5.0	95nΔ			75mt		0	75	1	E0147	M246
46♦	93L16DM	2	13M%	MON	2.0%	70*	TTL	9		0 0	5 0	95nΔ			75mt		-55	125	1	E0147	M246
47♦	93L16FM	2	13M%	MON	2.0%	70*	TTL	9		0 0	5.0	95nΔ			75mt		-55	125	1	E0147	FP79b
48▼	93L16PC	2	13M%	MON	2.0%	70*	TTL	9		0 0	5.0	95nΔ			75mt		0	75	1	E0147	M357
49#	FJB93L16	2	20M%Δ	MON	2.0%	.70*	TTL	10	8	0 0	5 0	60nΔ			85mt		0	70	1	E0147	M210a
50♦	SN54LS197J	2	50MΔ	MON	2.0%	70*	TTL	8	20	0 0	5.0	42nΔ			60m%	1.0 Δ	-55	125	1	E0167a	M157b
51♦	SN54LS197N	2	50MΔ	MON	2 0%	.70*	TTL	8	20	0.0	5.0	42nΔ			60m%	1.0 Δ	-55	125	1	E0167a	M126e
52♦	SN54LS197W	2	50MΔ	MON	2.0%	70*	TTL	8	20	0 0	5.0	42nΔ			60m%	1.0 Δ	-55	125	1	E0167a	Δ004AA
53♦	SN74LS197J	2	50MΔ	MON	2.0%	.70*	TTL	8	20	0.0	5 0	42nΔ			60m%	1.0 Δ	0	70	1	E0167a	M157b
54♦	SN74LS197N	2	50MΔ	MON	2.0%	70*	TTL	8	20	0 0	5 0	42nΔ			60m%	1.0 Δ	0	70	1	E0167a	M126e
55#	M53393P	2		MON	2 0%	.80*	TTL	8	60	0 0	7.0					1 0 Δ	0	75	1	E0257	M153b
56▼	SN54393J	2	35m%	MON	2 0%	.80*	TTL	2	10	0.0	5.0	13n			190m%	1.0 Δ	-55	125	2	E02107	M153d
57♦	SN54L193N	2	7 0MΔ%	MON	2.0%	.80*	TTL	8	10	0 0	5.0	135n%			43mt		-55	125	1	E0332a	M117x
58#	FJJ211-7493	2	10M	MON	2.0%	.80*	TTL	4	10	0 0	5.0	135n	10n	10n	128mt	1.0 Δ	0	70	1	E0268	M126f
59#	FJJ251-7492	2	10M	MON	2 0%	80*	TTL	4	10	0 0	5.0	100n	10n	10n	155mt	1.0 Δ	0	70	1	E0267	M126f
60♦	JANM38510/01302BCB	2	10MØ	MON	2 0%	80*	TTL	4	10	0.0	5 5	112nΔ			268m		-55	125	1	E0253	M314
61♦	JANM38510/01302BCC	2	10MØ	MON	2.0%	.80*	TTL	4	10	0.0	5 5	112nΔ			268m		-55	125	1	E0253	M314
62♦	JANM38510/01302BDB	2	10MØ	MON	2.0%	.80*	TTL	4	10	0.0	5 5	112nΔ			268m		-55	125	1	E0253	FP83
63♦	JANM38510/01302BDC	2	10MØ	MON	2 0%	.80*	TTL	4	10	0 0	5.5	112nΔ			268m		-55	125	1	E0253	FP83
64♦	JANM38510/01302CCB	2	10MØ	MON	2.0%	80*	TTL	4	10	0.0	5.5	112nΔ			268m		-55	125	1	E0253	M314
65♦	JANM38510/01302CCC	2	10MØ	MON	2 0%	.80*	TTL	4	10	0.0	5 5	112nΔ			268m		-55	125	1	E0253	M314
66♦	JANM38510/01302CDB	2	10MØ	MON	2.0%	.80*	TTL	4	10	0.0	5 5	112nΔ			268m		-55	125	1	E0253	FP83
67♦	JANM38510/01302CDC	2	10MØ	MON	2.0%	.80*	TTL	4	10	0.0	5 5	112nΔ			268m		-55	125	1	E0253	FP83
68	SW5493J	2	10MΔ	MON	2 0%	80*	TTL	4	10	0.0	5.5	135nΔ			160mt	1 0		125	1	E0235	M114
69	SW7493J	2	10MΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.25	135nΔ			160mt	1.0	0	70	1	E0235	M114
70	SW7493N	2	10MΔ	MON	2 0%	.80*	TTL	4	10	0.0	5.25	135nΔ			160mt	1.0	0	70	1	E0235	M105n
71#	FLJ181-7493	2	18M%Δ	MON	2.0%	.80*	TTL	4	10	0.0	5 0	135nΔ			265m§	1 0 Δ	0	70	1	E0270	M126p
72#	FLJ185-8493	2	18M%Δ	MON	2 0%	.80*	TTL	4	10	0 0	5.0	135nΔ			265m§	1 0 Δ	-25	85	1	E0270	M126p
73	N7492A	2	18M%	MON	2 0%	.80*	TTL	4	10	0.0	5.0	60n			155mt		0	70	1	E0246b	M105q
74	N7492Q	2	18M%	MON	2 0%	.80*	TTL	4	10	0.0	5 0	60n			155mt		0	70	1	E0246b	TO88
75	N7493A	2	18M%	MON	2 0%	.80*	TTL	3	10	0 0	5 0	75n			128mt		0	70	1	E0246a	M105q
76	N7493Q	2	18M%	MON	2 0%	80*	TTL	3	10	0 0	5.0	75n			128mt		0	70	1	E0246a	TO88
77	S5492A	2	18M%	MON	2.0%	80*	TTL	4	10	0.0	5.0	60n			155mt		-55	125	1	E0246b	M105q
78	S5492Q	2	18M%	MON	2.0%	.80*	TTL	4	10	0.0	5 0	60n			155mt		-55	125	1	E0246b	TO88
79	S5493A	2	18M%	MON	2.0%	.80*	TTL	3	10	0 0	5 0	75n			128mt		-55	125	1	E0246a	M105q
80	S5493Q	2	18M%	MON	2 0%	.80*	TTL	3	10	0.0	5.0	75n			128mt		-55	125	1	E0246a	TO88
81#	TL7492N	2	18Mt%	MON	2 0%	80*	TTL	4	10	0.0	5 0	100nΔ			267mt		0	70	1	E0234	M126n
82#	TL7493N	2	18Mt%	MON	2.0%	.80*	TTL	4	10	0.0	5 0	135nΔ			267mt		0	70	1	E0234a	M126n
83#	TL8493N	2	18Mt%	MON	2 0%	80*	TTL	4	10	0 0	5 0	135nΔ			267mt		-25	85	1	E0234a	M126n
84♦	JANM38510/01304BEB	2	20MΔØ	MON	2 0%	.80*	TTL	4	20	0 0	5 5	58nΔ			500m		-55	125	1	E0166	M323
85♦	JANM38510/01304BEC	2	20MΔØ	MON	2 0%	80*	TTL	4	20	0 0	5 5	58nΔ			500m		-55	125	1	E0166	M323
86▼	JANM38510/01304BFB	2	20MΔØ	MON	2 0%	.80*	TTL	4	20	0.0	5 5	58nΔ			500m		-55	125	1	E0166	FP93
87♦	JANM38510/01304CEB	2	20MΔØ	MON	2.0%	80*	TTL	4	20	0.0	5 5	58nΔ			500m		-55	125	1	E0166	M323
88♦	JANM38510/01304CEC	2	20MΔØ	MON	2.0%	.80*	TTL	4	20	0.0	5 5	58nΔ			500m		-55	125	1	E0166	M323
89▼	JANM38510/01304CFB	2	20MΔØ	MON	2.0%	.80*	TTL	4	20	0.0	5 5	58nΔ			500m		-55	125	1	E0166	FP93
90♦	JANM38510/01306BEB	2	20MΔØ	MON	2 0%	80*	TTL	4	20	0.0	5 5	58nΔ			500m		-55	125	1	E0166	M323
91♦	JANM38510/01306BEC	2	20MΔØ	MON	2 0%	80*	TTL	4	20	0 0	5 5	58nΔ			500m		-55	125	1	E0166	M323
92▼	JANM38510/01306BFB	2	20MΔØ	MON	2 0%	80*	TTL	4	20	0 0	5 5	58nΔ			500m		-55	125	1	E0166	FP93

6. COUNTERS

IN ORDER OF (1)TYPE OF COUNTER(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF COUNTER	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT MAX	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX TOTAL PKG DISS. (W)	MAX NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1♦	JANM38510/01306CEB	2	20MΔØ	MON	20%	80*	TTL	4	20	00	55	58nΔ			500m		-55	125	1	E0166	M323
2♦	JANM38510/01306CEC	2	20MΔØ	MON	20%	80*	TTL	4	20	00	55	58nΔ			500m		-55	125	1	E0166	M323
3▼	JANM38510/01306CFB	2	20MΔØ	MON	20%	80*	TTL	4	20	00	55	58nΔ			500m		-55	125	1	E0166	FP93
4	SN7493N#	2	20M	MON	20%	80*	TTL	4		00	50	16n☑					0	70	1	E0281	M126d
5#	FJB93191	2	25MΔ	MON	20%	80*	TTL	8	10	00	50	52nΔ			325mt		0	70	1	E0287	M210a
6#	FLJ211-74191	2	25M%	ΔMON	20%	80*	TTL	8	10	00	50	52nΔ			525m§	10 Δ	0	70	1	E0320	M117w
7#	FLJ215-84191	2	25M%	ΔMON	20%	80*	TTL	8	10	00	50	52nΔ			525m§	10 Δ	-25	85	1	E0320	M117w
8#	M53391P	2	25M%	ΔMON	20%	80*	TTL	8		00	50	50nΔ	10n	10n	325mt		0	75	1	E0320	M153b
9#	MIC54163J	2	25MΔ	MON	20%	80*	TTL	9	20	00	50	17n%			455m%	10 Δ	-55	125	1	E0271	M153a
10#	MIC54191J	2	25MΔ%	MON	20%	80*	TTL	8	20	00	50	24n%			325mt	10 Δ	-55	125	1	E0320	M153a
11#	MIC64163J	2	25MΔ	MON	20%	80*	TTL	9	20	00	50	17n%			505m%	10 Δ	-40	85	1	E0271	M153a
12#	MIC64191J	2	25MΔ%	MON	20%	80*	TTL	8	20	00	50	24n%			325mt	10 Δ	-40	85	1	E0320	M153a
13#	MIC74163J	2	25MΔ	MON	20%	80*	TTL	9	20	00	50	17n%			505m%	10 Δ	0	75	1	E0271	M153a
14#	MIC74163N	2	25MΔ	MON	20%	80*	TTL	9	20	00	50	17n%			505m%	10 Δ	0	75	1	E0271	M153a
15#	MIC74191J	2	25MΔ%	MON	20%	80*	TTL	8	20	00	50	24n%			325mt	10 Δ	0	75	1	E0182	M153a
16#	MIC74191N	2	25MΔ%	MON	20%	80*	TTL	8	20	00	50	24n%			325mt	10 Δ	0	75	1	E0320	M153a
17	N74162B	2	25MΔ	MON	20%	80*	TTL	9	20	00	50	35nΔ			325mt		0	70	1	E0164	M256
18	N74162R	2	25MΔ	MON	20%	80*	TTL	9	20	00	50	35nΔ			325mt		0	70	1	E0164	FP79a
19	N74193B	2	25M	MON	20%	80*	TTL	8	10	00	50	26n					0	70	1	E0328	M256
20	N74193R	2	25M	MON	20%	80*	TTL	8	10	00	50	26n					0	70	1	E0328	FP79a
21	S54162B	2	25MΔ	MON	20%	80*	TTL	9	20	00	50	35nΔ			325mt		-55	125	1	E0164	M256
22	S54162E	2	25MΔ	MON	20%	80*	TTL	9	20	00	50	35nΔ			325mt		-55	125	1	E0164	M153a
23	S54162R	2	25MΔ	MON	20%	80*	TTL	9	20	00	50	35nΔ			325mt		-55	125	1	E0164	FP79a
24	S54193B	2	25M	MON	20%	80*	TTL	8	10	00	50	26n					-55	125	1	E0328	M256
25	S54193E	2	25M	MON	20%	80*	TTL	8	10	00	50	26n					-55	125	1	E0328	M153a
26	S54193R	2	25M	MON	20%	80*	TTL	8	10	00	50	26n					-55	125	1	E0328	FP79a
27▼	SN54LS191J	2	25MΔ%	MON	20%	80*	TTL	8		00	50	50nΔ			70m%		-55	125	1	E0320	M153d
28▼	SN54LS191W	2	25MΔ%	MON	20%	80*	TTL	8		00	50	50nΔ			70m%		-55	125	1	E0320	Δ004AG
29▼	SN74LS191J	2	25MΔ%	MON	20%	80*	TTL	8		00	50	50nΔ			70m%		0	70	1	E0320	M153d
30▼	SN74LS191N	2	25MΔ%	MON	20%	80*	TTL	8		00	50	50nΔ			70m%		0	70	1	E0320	M117x
31♦	SN54161J	2	25MΔ	MON	20%	80*	TTL	9	20	00	50	35nΔ			455m%	10 Δ	-55	125	1	E0166	M153d
32♦	SN54161W	2	25MΔ	MON	20%	80*	TTL	9	20	00	50	35nΔ			455m%	10 Δ	-55	125	1	E0166	Δ004AG
33♦	SN54163J	2	25MΔ	MON	20%	80*	TTL	9	20	00	50	35nΔ			455m%	10 Δ	-55	125	1	E0271	M153d
34♦	SN54163W	2	25MΔ	MON	20%	80*	TTL	9	20	00	50	35nΔ			455m%	10 Δ	-55	125	1	E0271	Δ004AG
35♦	SN54191J	2	25M%	ΔMON	20%	80*	TTL	8		00	50	50nΔ	10n	10n	325mt		-55	125	1	E0320	M153d
36	SN54191N	2	25M%	ΔMON	20%	80*	TTL	8		00	50	50nΔ	10n	10n	325mt		-55	125	1	E0320	M117m
37♦	SN54191W	2	25MΔ%	MON	20%	80*	TTL	8	10	00	50	50nΔ	10n	10n	325mt	10	-55	125	1	E0320	Δ004AG
38♦	SN74161J	2	25MΔ	MON	20%	80*	TTL	9	20	00	50	35nΔ			505m%	10 Δ	0	70	1	E0166	M153d
39♦	SN74161N	2	25MΔ	MON	20%	80*	TTL	9	20	00	50	35nΔ			505m%	10 Δ	0	70	1	E0166	M117x
40♦	SN74163J	2	25MΔ	MON	20%	80*	TTL	9	20	00	50	35nΔ			505m%	10 Δ	0	70	1	E0271	M153d
41♦	SN74163N	2	25MΔ	MON	20%	80*	TTL	9	20	00	50	35nΔ			505m%	10 Δ	0	70	1	E0271	M117x
42♦	SN74191J	2	25M%	ΔMON	20%	80*	TTL	8		00	50	50nΔ	10n	10n	325mt		0	70	1	E0320	M153d
43♦	SN74191N	2	25M%	ΔMON	20%	80*	TTL	8		00	50	50nΔ	10n	10n	325mt		0	70	1	E0320	M117x
44#	TL74191N	2	25Mt%	MON	20%	80*	TTL	10	10	00	50	52nΔ			551mt		0	70	1	E0320	M117u
45	9366FC	2	30M%	MON	20%	80*	TTL	8	6	00	50	47nΔ			300mt		0	75	1	E0257	FP47b
46	DM7533D	2	30M%	MON	20%	80*	TTL		10	0	50	20n%			250mt	1.0	-55	125	1		
47	DM7563D	2	30M%	MON	20%	80*	TTL		10	0	50	20n%			300mt	10	-55	125	1		
48	DM8563N	2	30M%	MON	20%	80*	TTL		10	0	50	20n%			300mt	1.0	0	70	1		
49#	FJB9366	2	30M%	ΔMON	20%	80*	TTL	8	10	00	50	47nΔ			300mt		0	70	1	E0286	M210a
50▼#	FJJ411D	2	32M	MON	20%	80*	TTL	8	60	00	50	47nΔ			325mt		0	70	1	E0257	M200f
51▼#	FJJ411P	2	32M	MON	20%	80*	TTL	8	60	00	50	47nΔ			325mt		0	70	1	E0257	M117u
52#	FLJ251-74193	2	32M%	ΔMON	20%	80*	TTL	8	10	00	50	47nΔ			510m§	10 Δ	0	70	1	E0257	M117w
53#	FLJ255-84193	2	32M%	ΔMON	20%	80*	TTL	8	10	00	50	47nΔ			510m§	10 Δ	-25	85	1	E0257	M117w
54#	FLJ411-74161	2	32M%	ΔMON	20%	80*	TTL	9	20	00	50	35nΔ			505m§	1.0 Δ	0	70	1	E0271	M117w
55#	FLJ415-84161	2	32M%	ΔMON	20%	80*	TTL	9	20	00	50	35nΔ			505m§	1.0 Δ	-25	85	1	E0271	M117w
56#	FLJ431-74163	2	32M%	ΔMON	20%	80*	TTL	9	20	00	50	35nΔ			505m§	10 Δ	0	70	1	E0271	M117w
57#	FLJ435-84163	2	32M%	ΔMON	20%	80*	TTL	9	20	00	50	35nΔ			505m§	1.0 Δ	-25	85	1	E0271	M117w
58#	MIC54193J	2	32M%	MON	20%	80*	TTL	8	10	00	50	47nΔ			325mt		-55	125	1	E0257	M153a
59#	MIC64193J	2	32M%	MON	20%	80*	TTL	8	10	00	50	47nΔ			325mt		-40	85	1	E0257	M153a
60#	MIC74193J	2	32M%	MON	20%	80*	TTL	8	10	00	50	47nΔ			325mt		0	75	1	E0257	M153a
61#	MIC74193N	2	32M%	MON	20%	80*	TTL	8	10	0.0	50	47nΔ			325mt		0	75	1	E0257	M117
62#	SFC4193E	2	32M%	MON	20%	80*	TTL	8	10	0.0	50	47nΔ			325mt		0	70	1	E0257	M117
63#	SFC4193EM	2	32M%	MON	20%	80*	TTL	8	10	0.0	50	47nΔ			325mt		-55	125	1	E0257	M117
64#	SFC4193ET	2	32M%	MON	20%	80*	TTL	8	10	00	50	47nΔ			325mt		-25	85	1	E0257	M117
65▼	SN54LS193J	2	32MΔ%	MON	20%	80*	TTL	8		00	50	47nΔ			85m%		-55	125	1	E0332a	M153d
66▼	SN54LS193W	2	32MΔ%	MON	20%	80*	TTL	8		00	5.0	47nΔ			85m%		-55	125	1	E0332a	M117x
67▼	SN74LS193J	2	32MΔ%	MON	20%	80*	TTL	8		00	5.0	47nΔ			85m%		0	70	1	E0332a	M153d
68▼	SN74LS193N	2	32MΔ%	MON	20%	80*	TTL	8		00	50	47nΔ			85m%		0	70	1	E0332a	M117x
69▼	SN29316J	2	32MΔ%	MON	20%	80*	TTL			00	50	35nΔ			315m%		0	75	1	E0166	M153d
70▼	SN29316N	2	32MΔ%	MON	20%	80*	TTL			00	50	35nΔ			315m%		0	75	1	E0166	M117x
71▼	SN39316J	2	32MΔ%	MON	20%	80*	TTL			00	50	35nΔ			315m%		-55	125	1	E0166	M153d
72♦	SN54193J	2	32M%	MON	20%	80*	TTL	8	60	00	5.0	47nΔ			325mt		-55	125	1	E0332a	M153d
73	SN54193N	2	32M%	MON	20%	80*	TTL	8	60	00	50	47nΔ			325mt		-55	125	1	E0257	M117
74♦	SN54193W	2	32M%	MON	20%	80*	TTL	8	60	00	50	47nΔ			325mt		-55	125	1	E0332a	Δ004AG
75▼	SN54293J	2	32MΔØ	MON	20%	80*	TTL	4		00	50	70nΔ			130m%		0	70	1	E02108	M157b
76▼	SN54293W	2	32MΔØ	MON	20%	80*	TTL	4		00	50	70nΔ			130m%		0	70	1	E02108	Δ004AA
77♦	SN74193J	2	32M%	MON	20%	80*	TTL	8	60	00	50	47nΔ			325mt		0	70	1	E0332a	M153d
78♦	SN74193N	2	32M%	MON	20%	80*	TTL	8	60	00	50	47nΔ			325mt		0	70	1	E0332a	M117x
79▼	SN74293J	2	32MΔØ	MON	20%	80*	TTL	4		00	50	70nΔ			130m%		0	70	1	E02108	M157b
80▼	SN74293N	2	32MΔØ	MON	20%	80*	TTL	4		00	50	70nΔ			130m%		0	70	1	E02108	M126e
81	SW54161J	2	32M%	MON	20%	80*	TTL	4		0.0	5.0	35nΔ	10n	10n	325mt		-55	125	1	E0271	M117
82	SW54163J	2	32M%	MON	20%	80*	TTL	4		00	50	35nΔ	10n	10n	325mt		-55	125	1	E0271	M117
83	SW74161J	2	32M%	MON	20%	80*	TTL	4		00	5.0	35nΔ	10n	10n	325mt		0	70	1	E0271	M117
84	SW74163J	2	32M%	MON	20%	80*	TTL	4		00	50	35nΔ	10n	10n	325mt		0	70	1	E0271	M117
85#	T74193B1	2	32M%	MON	20%	80*	TTL	8	60	0.0	5.0	47nΔ			325mt		0	70	1		M267
86#	TL74161N	2	32Mt%	MON	20%	80*	TTL	10	20	00	50	35nΔ			511mt		0	70	1	E0166	M117u
87#	TL74163N	2	32Mt%	MON	20%	80*	TTL	10	20	0.0	50	35nΔ			511mt		0	70	1	E0166	M117u
88#	TL74193N	2	32Mt%	MON	20%	80*	TTL	10	10	00	5.0	47nΔ			535mt		0	70	1	E0257	M117u
89▼	SN54393W	2	35M%	MON	20%	80*	TTL	2	10	00	50	13n			190m%	10 Δ	-55	125	2	E02107	Δ004AG
90▼	SN74393J	2	35M%	MON	20%	80*	TTL	2	10	00	50	13n			190m%	1.0 Δ	0	70	2	E02107	M153d
91▼	SN74393N	2	35M%	MON	20%	80*	TTL	2	10	00	50	13n			190m%	1.0 Δ	0	70	2	E02107	M117x
92#	FJB9316	2	45M%	ΔMON	20%	80*	TTL	10	8	00	50	45nΔ			325mt		0	70	1	E0147	M210a
93♦	SN74LS197W	2	50MΔ	MON	20%	80*	TTL	8	20	00	50	38nΔ			60m%	1.0 Δ	0	70	1	E0167a	Δ004AA
94♦	SN54197J	2	50MΔ%	MON	20%	80*	TTL	8		00	50	42nΔ		5 0n	240mt		-55	125	1	E0167a	M157b
95	SN54197N	2	50M	MON	20%	80*	TTL	8		00	50	38nΔ		5 0n	240mt		-55	125	1	E0266	M126e
96♦	SN74197J	2	50MΔ%	MON	20%	80*	TTL	8		00	50	42nΔ		5 0n	240mt		0	70	1	E0167a	M157b
97♦	SN74197N	2	50MΔ%	MON	20%	80*	TTL	8		00	50	63nΔ		5 0n	240mt		0	70	1	E0167a	M126e
98#	FJB93197	2	70MΔ%	MON	20%	80*	TTL	8	4	00	50	63nΔ			240mt		0	70	1	E0167	Δ001AA
99#	FLJ391-74197	2	70M%	ΔMON	20%	80*	TTL	8	10	00	50	63nΔ			295m§	10 Δ	0	70	1	E0266	M126p
100#	FLJ395-84197	2	70M%	ΔMON	20%	80*	TTL	8	10	00	50	63nΔ			295m§	10 Δ	-25	85	1	E0266	M126p
101#	FLJ501-49704	2	70M%	MON	20%	80*	TTL	3	10	00	50	38nΔ			480m	10 Δ	0	70	2	E02102	M117w
102#	FLJ505-49804	2	70M%	MON	20%	80*	TTL	3	10	00	50	38nΔ			480m	10 Δ	-25	85	2	E02102	M117w
103	D4209	2	10M	PCB	20%	95*	TTL			0	50		10n†	10n†		10 Δ	0	75			CB☑
104	HEPC3801P-RT	2		MON	24%	40*†	TTL	4	10	00	50	60n			160mt		0	70	1	E0279	TO116
105	MC5493F	2		MON	24%	40*†	TTL	6	10	0.0	50	20n			160mt		-55	125	1	E0253	TO86
106	MC5493L	2		MON	24%	40*†	TTL	6	10	00	50	20n			160mt		-55	125	1	E0253	TO116
107	MC7493F	2		MON	24%	40*†	TTL	6	10	00	50	20n			160mt		0	75	1	E0253	TO86

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

6. COUNTERS

IN ORDER OF (1)TYPE OF COUNTER(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No	6 TYPE No	1 TYPE OF COUNTER	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG DISS. (W)	MAX NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	MC7493L,P%	2		MON	2 4%	.40*†	TTL	6	10	0 0	5 0	20n			160mt		0	75	1	E0253	TO116
2	M211	2	10M	PCB	2 4	40	TTL		10	0	5 0	50n	15n	15n	650m	1 0	0	70			
3	MC54455L	2	12M%	MON	2 4%	40*†	TTL	9	10	0 0	5 0				600mt		-55	125	2	E0337	M291
4	MC74455L	2	12M%	MON	2 4%	40*†	TTL	9	10	0 0	5 0				600mt		0	75	2	E0337	M291
5	MC74455P	2	12M%	MON	2.4%	40*†	TTL	9	10	0 0	5 0				600mt		0	75	2	E0337	M237
6	US5493J	2	20M	MON	2.4%	40*	TTL	1	10	0 0	5 0	50n	10nt	10nt	160mΔ	1 0 Δ	-55	125	1	E0235	TO88
7	MC54193F	2	25M	MON	2 4%	40*†	TTL	8	10	0 0	5 0	31n%			325mt		-55	125	1	E0332	FP85
8	MC54193L	2	25M	MON	2 4%	40*†	TTL	8	10	0 0	5 0	31n%			325mt		-55	125	1	E0332	M191
9	MC74193F	2	25M	MON	2 4%	40*†	TTL	8	10	0 0	5 0	31n%			325mt		0	75	1	E0332	FP85
10	MC74193L	2	25M	MON	2 4%	40*†	TTL	8	10	0 0	5 0	31n%			325mt		0	75	1	E0332	M191
11	MC74193P	2	25M	MON	2 4%	40*†	TTL	8	10	0 0	5 0	31n%			325mt		0	75	1	E0332	M278
12	N8284Q	2		MON	2 6%	40†	TTL	6	12	0 0	5 0		5 0n	5 0n	420m		0	75	1	E0251	TO88
13	N8293A	2	10Mt%	MON	2 6%	.40†	TTL	8	4	0 0	5 0		5 0n	5 0n	69m		0	75	1	E0250	M105q
14	N8293F	2	10Mt%	MON	2 6%	40†*	TTL	8		0 0	5 0				69m		0	75	1	E0250	M157
15	N8293Q	2	10Mt%	MON	2 6%	.40†	TTL	8	4	0 0	5 0		5 0n	5 0n	69m		0	75	1	E0250	TO88
16	S8293A	2	10Mt%	MON	2 6%	40†	TTL	8	4	0 0	5 0		5 0n	5 0n	69m		-55	125	1	E0250	M105q
17	S8293F	2	10Mt%	MON	2 6%	40†*	TTL	8		0 0	5 0				69m		-55	125	1	E0250	M157
18	S8293Q	2	10Mt%	MON	2 6%	40†	TTL	8	4	0 0	5 0		5 0n	5 0n	69m		-55	125	1	E0250	TO88
19	N8281F	2	25Mt%	MON	2 6%	40†*	TTL	8		0 0	5 0	25n%Δ			236m		0	75	1	E0237	M157
20	N8281Q	2	25Mt%	MON	2 6%	40†*	TTL	8		0 0	5 0	25n%Δ			236m		0	75	1	E0237a	TO88
21	N8288A	2	25Mt%	MON	2.6%	40†	TTL	8	8	0 0	5 0		5 0n	5 0n	194m		0	75	1	E0248	M105q
22	N8288F	2	25Mt%	MON	2 6%	40†*	TTL	8		0 0	5 0				236m		0	75	1	E0248	M157
23	N8288Q	2	25Mt%	MON	2 6%	40†	TTL	8	8	0 0	5 0		5 0n	5 0n	194m		0	75	1	E0248	TO88
24	S8281F	2	25M%	MON	2.6%	.40†*	TTL	8		0.0	5 0	25n%Δ			236m		-55	125	1	E0237	M157
25	S8281Q	2	25M%	MON	2 6%	40†*	TTL	8		0 0	5 0	25n%Δ			236m		-55	125	1	E0237a	TO88
26	S8288A	2	25Mt%	MON	2 6%	40†	TTL	8	8	0 0	5 0		5 0n	5 0n	194m		-55	125	1	E0248	M105a
27	S8288F	2	25Mt%	MON	2 6%	40†*	TTL	8		0 0	5 0				236m		-55	125	1	E0248	M157
28	S8288Q	2	25Mt%	MON	2 6%	40†	TTL	8	8	0 0	5 0		5 0n	5 0n	194m		-55	125	1	E0248	TO88
29	N8291A	2	60Mt%	MON	2 6%	40†	TTL	8	12	0 0	5 0		5 0n	5 0n	255m		0	75	1	E0250	M105q
30	N8291F	2	60Mt%	MON	2 6%	40†*	TTL	8		0 0	5 0				255m		0	75	1	E0250	M157
31	N8291Q	2	60Mt%	MON	2 6%	40†	TTL	8	12	0 0	5 0		5 0n	5 0n	255m		0	75	1	E0250	TO88
32	S8291A	2	60Mt%	MON	2 6%	40†	TTL	8	12	0 0	5 0		5 0n	5 0n	255m		-55	125	1	E0250	M105q
33	S8291F	2	60Mt%	MON	2 6%	40†*	TTL	8		0 0	5 0				255m		-55	125	1	E0250	M157
34	S8291Q	2	60Mt%	MON	2 6%	40†	TTL	8	12	0 0	5 0		5 0n	5 0n	255m		-55	125	1	E0250	TO88
35	MC7281F	2	25Mt%	MON	2 8%	40*†	TTL	8	4	0 0	5 0	25nΔ			130mt		0	75	1	E0289	TO86
36	MC7281L,P%	2	25Mt%	MON	2 8%	40*†	TTL	8	4	0 0	5 0	25nΔ			130mt		0	75	1	E0289	TO116
37	MC8281F	2	25Mt%	MON	2 8%	40*†	TTL	8	4	0 0	5 0	25nΔ			130mt		-55	125	1	E0289	TO86
38	MC8281L	2	25Mt%	MON	2 8%	40*†	TTL	8	4	0 0	5 0	25nΔ			130mt		-55	125	1	E0289	TO116
39	TRC2521F	2	25MΔ	MON	3 2%	45*†	TTL	8	15	0	7 0	30nΔ			180mt		-55	125	1	E0240	FP21c
40	TRC2521P	2	25MΔ	MON	3 2%	45*†	TTL	8	15	0	7 0	30nΔ			180mt		-55	125	1	E0240	TO116
41	TRC2522F	2	25MΔ	MON	3 2%	45*†	TTL	8	15	0	7 0	30nΔ			180mt		0	75	1	E0240	FP21c
42	TRC2522P	2	25MΔ	MON	3 2%	45*†	TTL	8	15	0	7 0	30nΔ			180mt		0	75	1	E0240	TO116
43	TRC2523F	2	25MΔ	MON	3 2%	45*†	TTL	8	7	0	7 0	30nΔ			180mt		-55	125	1	E0240	FP21c
44	TRC2523P	2	25MΔ	MON	3 2%	45*†	TTL	8	7	0	7 0	30nΔ			180mt		-55	125	1	E0240	TO116
45	TRC2524F	2	25MΔ	MON	3 2%	45*†	TTL	8	7	0	7 0	30nΔ			180mt		0	75	1	E0240	FP21c
46	TRC2524P	2	25MΔ	MON	3 2%	45*†	TTL	8	7	0	7 0	30nΔ			180mt		0	75	1	E0240	TO116
47	RL163D	2	10MØ	MON	3 3%	30%	TTL	7	12	0 0	5 25	40nΔ	8 0n	5 0n	275m	400m*	0	75	1	E0263	TO116
48	RL181D	2	15MØ	MON	3 3%	30%	TTL	7	12	0 0	5 5	40nΔ	8 0n	5 0n	400m	400m*	-55	125	1	E0265	TO116
49	RL183D	2	15MØ	MON	3 3%	30%	TTL	7	12	0 0	5 25	40nΔ	8 0n	5 0n	400m	400m*	0	75	1	E0265	TO116
50	RL141D	2	20MØ	MON	3 3%	30%	TTL	11	12	0 0	5 5	37nΔ	8 0n	5 0n	200m	400m*	-55	125	1	E0262	TO116
51	RL143D	2	20MØ	MON	3 3%	30%	TTL	11	12	0 0	5 25	37nΔ	8 0n	5 0n	200m	400m*	0	75	1	E0262	TO116
52	N82S91A	2	100Mt%	MON	3 5	50†	TTL	8		0 0	5 0	22nΔ			461m		0	75	1	E0250	M318
53	N82S91F	2	100Mt%	MON	3 5	50†	TTL	8		0 0	5 0	22nΔ			461m		0	75	1	E0250	M257b
54	I795	2	10M	PCB	5 0	0 0	TTL	8	4	4 8	5 2	50n	50n	25n	600m	1 0	0	70	4		CBØ
55	T109	2	10M	PCB	5 0	0 0	TTL	9	6	4 8	5 2	20n			1 2	1 0	0	70	3		CBØ
56	I110	2,1	5 0M	PCB	5 0	0 0	DTL	8	10	4 8	5 2	50n	50n	25n	300m	1 0	0	70	4		CBØ
57	9356DC	2F	18M%	MON	1 8%	85*	TTL	4	10	0 0	5 25	135nΔ			250m%	400m	0	75	1	E0234b	M105ad
58▼#	MIC74L93J	2F	3 0M%	MON	2 0%	70*	TTL	4	10	0 0	5 0	280n			16mt	1 0 Δ	0	75	1	E0254	TO116
59#	SFC493LE	2F	3 0M%	MON	2 0%	70*	TTL	4	10	0 0	5 0	280n%			16mt	1 0 Δ	0	70	1	E0254	TO116
60#	SFC493LEM	2F	3 0M%	MON	2 0%	70*	TTL	4	10	0 0	5 0	280n%			16mt	1 0 Δ	-55	125	1	E0254	TO116
61♦	SN54L93J	2F	3M%	MON	2 0%	70*	TTL	4	10	0 0	5 0	280n			16mt	1 0 Δ	-55	125	1	E0254	M157b
62♦	SN54L93N	2F	3M%	MON	2 0%	70*	TTL	4	10	0 0	5 0	280n			16mt	1 0 Δ	-55	125	1	E0254	M126e
63♦	SN54L93T	2F	3M%	MON	2 0%	70*	TTL	4	10	0 0	5 0	280n			16mt	1 0 Δ	-55	125	1	E0254	Δ004AA
64♦	SN74L93J	2F	3M%	MON	2 0%	70*	TTL	4	10	0 0	5 0	280n			16mt	1 0 Δ	0	70	1	E0254	M157b
65♦	SN74L93N	2F	3M%	MON	2 0%	70*	TTL	4	10	0 0	5 0	280n			16mt	1 0 Δ	0	70	1	E0254	M126e
66♦	SN74L93T	2F	3M%	MON	2 0%	70*	TTL	4	10	0 0	5 0	280n			16mt	1 0 Δ	0	70	1	E0254	Δ004AA
67	US5493A	2F	18m%	MON	2 0%	80*	TTL	4	10	0 0	5 5	75n%			155mt	1 0	-55	125	1	E0235	M105b
68	US7492A	2F	18m%	MON	2 0%	80*	TTL	4	10	0 0	5 0	100nΔ			155mt		0	70	1	E0234	M105b
69	9392DC	2F	10MØ	MON	2 0%	80*	TTL	4	10	0 0	5 0	100nΔ			255m§		0	70	1	E0234	TO116
70	9392DM	2F	10MØ	MON	2 0%	80*	TTL	4	10	0 0	5 0	100nΔ			255m§		-55	125	1	E0234	TO116
71	9392FC	2F	10MØ	MON	2 0%	80*	TTL	4	10	0 0	5 0	100nΔ			255m§		0	70	1	E0234	FP52d
72	9392FM	2F	10MØ	MON	2 0%	80*	TTL	4	10	0 0	5 0	100nΔ			255m§		-55	125	1	E0234	FP52d
73	9393DC	2F	10MØ	MON	2 0%	80*	TTL	4	10	0 0	5 0	135nΔ			265m§		0	70	1	E0235	TO116
74	9393DM	2F	10MØ	MON	2 0%	80*	TTL	4	10	0 0	5 0	135nΔ			265m§		-55	125	1	E0235	TO116
75	9393FC	2F	10MØ	MON	2 0%	80*	TTL	4	10	0 0	5 0	135nΔ			265m§		0	70	1	E0235	FP52d
76	9393FM	2F	10MØ	MON	2 0%	80*	TTL	4	10	0 0	5 0	135nΔ			265m§		-55	125	1	E0235	FP52d
77#	FJJ211	2F	10MΔØ	MON	2 0%	80*	TTL	4	10	0 0	5 0	135nΔ			128m	1 0 Δ	0	70	1	E0235	M146e
78#	FJJ251	2F	10MΔØ	MON	2 0%	80*	TTL	4	10	0 0	5 0	100nΔ			155mt	1 0 Δ	0	70	1	E0234	TO116
79	SW5492J	2F	10MΔ	MON	2 0%	80*	TTL	4	10	0 0	5 0	100nΔ			155mt	1 0	-55	125	1	E0234	M114
80	SW7492J	2F	10MΔ	MON	2 0%	80*	TTL	4	10	0 0	5 25	100nΔ			155mt	1 0	0	70	1	E0234	M114
81	SW7492N	2F	10MΔ	MON	2 0%	80*	TTL	4	10	0 0	5 25	100nΔ			155mt	1 0	0	70	1	E0234	M105n
82#	M5393P	2F	15M%	MON	2 0%	80*	TTL	4	40	0 0	7 0	100n%			155mt	1 0 Δ	0	75	1	E0246	M105j
83♦	SN5492AJ	2F	16MØ	MON	2 0%	80*	TTL	4	40	0 0	5 0	50nΔ			130mt	1 0 Δ	-55	125	1	E0234	M157b
84♦	SN5492AW	2F	16MØ	MON	2 0%	80*	TTL	4	40	0 0	5 0	50nΔ			130mt	1 0 Δ	-55	125	1	E0234	Δ004AA
85♦	SN5493AJ	2F	16MØ	MON	2 0%	80*	TTL	4	40	0 0	5 0	70nΔ			130mt	1 0 Δ	-55	125	1	E0234	M157b
86♦	SN5493AW	2F	16MØ	MON	2 0%	80*	TTL	4	40	0 0	5 0	70nΔ			130mt	1 0 Δ	-55	125	1	E0235	Δ004AA
87♦	SN7492AJ	2F	16MØ	MON	2 0%	80*	TTL	4	40	0 0	5 0	50nΔ			130mt	1 0 Δ	0	70	1	E0234	M157b
88♦	SN7492AN	2F	16MØ	MON	2 0%	80*	TTL	4	40	0 0	5 0	50nΔ			130mt	1 0 Δ	0	70	1	E0234	M126e
89♦	SN7493AJ	2F	16MØ	MON	2 0%	80*	TTL	4	40	0 0	5 0	70nΔ			130mt	1 0 Δ	0	70	1	E0235	M157b
90♦	SN7493AN	2F	16MØ	MON	2 0%	80*	TTL	4	40	0 0	5 0	70nΔ			130mt	1 0 Δ	0	70	1	E0235	M126e
91	ITT5492J	2F	18M%	MON	2 0%	80*	TTL	4	40	0 0	7 0	75n%			155mt	1 0 Δ	-55	125	1	E0234	M157
92	ITT5493J	2F	18M%	MON	2 0%	80*	TTL	4	40	0 0	7 0	75n%			155mt	1 0 Δ	-55	125	1	E0235	M157
93	ITT7492J	2F	18M%	MON	2 0%	80*	TTL	4	40	0 0	7 0	75n%			155mt	1 0 Δ	0	70	1	E0234	M157
94	ITT7493J	2F	18M%	MON	2 0%	80*	TTL	4	40	0 0	7 0	75n%			155mt	1 0 Δ	0	70	1	E0235	M157
95#	M53292P	2F	18M%	MON	2 0%	80*	TTL	4	40	0 0	7 0	60n%			155mt	1 0 Δ	0	75	1	E0246b	M105j
96#	M53293P	2F	18M%	MON	2 0%	80*	TTL	4	40	0 0	7 0	75n%			160mt	1 0 Δ	0	75	1	E0246a	M105j
97#	MIC5493J	2F	18MΔ%	MON	2 0%	80*	TTL	4	10	0 0	5 0	135nΔ			120mt	500m	-55	125	1	E0234a	TO116
98#	MIC6493J	2F	18MΔ%	MON	2 0%	80*	TTL	4	10	0 0	5 0	135nΔ			120mt	500m	-40	85	1	E0234a	TO116
99#	MIC7493J	2F	18MΔ%	MON	2.0%	80*	TTL	4	10	0 0	5 0	135nΔ			120mt	500m	0	75	1	E0234a	TO116
100#	MIC7493N	2F	18MΔ%	MON	2.0%	80*	TTL	4	10	0 0	5 0	135nΔ			120mt	500m	0	75	1	E0234a	TO116
101	NC7492N	2F	18M%	MON	2 0%	80*	TTL	4	40	0 0	7 0	75n%			155mt	1 0	0	70	1	E0234	TO116
102	NC7493N	2F	18M%	MON	2 0%	80*	TTL	4	40	0 0	7 0	75n%			155mt	1.0 Δ	0	70	1	E0235	TO116
103#	SFC492E	2F	18M%	MON	2.0%	80*	TTL	4	10	0 0	5 0	75n%			155mt	1.0	0	70	1	E0234	TO116
104#	SFC492EM	2F	18M%	MON	2 0%	80*	TTL	4	10	0 0	5 0	75n%			155mt	1 0	-55	125	1	E0234	TO116
105#	SFC492ET	2F	18M%	MON	2 0%	80*	TTL	4	10	0 0	5 0	75n%			155mt	1 0	-25	85	1	E0234	TO116
106#	SFC492PM	2F	18M%	MON	2 0%	80*	TTL	4	10	0 0	5 0	75n%			155mt	1 0	-55	125	1	E0234	TO85
107#	SFC493E	2F	18M%	MON	2 0%	80*	TTL	4	10	0.0	5.0	75n%			155mt	1 0	0	70	1	E0235	TO116
108#	SFC493EM	2F	18M%	MON	2 0%	80*	TTL	4	10	0 0	5 0	75n%			155mt	1 0	-55	125	1	E0235	TO116
109#	SFC493ET	2F	18M%	MON	2 0%	80*	TTL	4	10	0 0	5 0	75n%			155mt	1 0	-25	85	1	E0235	TO116
110#	SFC493PM	2F	18M%	MON	2 0%	80*	TTL	4	10	0 0	5 0	75n%			155mt	1 0	-55	125	1	E0235	TO85

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

6. COUNTERS

IN ORDER OF (1)TYPE OF COUNTER(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF COUNTER	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	SN5492S	2F	18M%	MON	2 0%	.80*	TTL	4	40	0 0	7 0	75n%			155m†	1.0 Δ	-55	125	1	E0234	TO84
2	SN5493S	2F	18M%	MON	2 0%	80*	TTL	4	40	0 0	7.0	75n%			155m†	1.0 Δ	-55	125	1	E0235	TO84
3#	SN6492N	2F	18M%	MON	2.0%	80*	TTL	4	40	0.0	7.0	75n%			155m†	1.0m	-40	85	1	E0234	M75a
4#	SN6493N	2F	18M%	MON	2.0%	80*	TTL	4	40	0.0	7.0	75n%			155m†	1.0m	-40	85	1	E0235	M75a
5	SN7493AW	2F	18M%	MON	2.0%	80*	TTL	4	40	0 0	7 0	75n%			155m†	1.0 Δ	0	70	1	E0235	TO84
6#	T7493B1	2F	18M%	MON	2.0%	.80*	TTL	4	40	0 0	7.0	135n Δ			155m†	1 0 Δ	0	70	1		M126h
7	US5492A	2F	18M%	MON	2 0%	.80*	TTL	4	10	0 0	5 5	75n%			155m†	1 0	-55	125	1	E0234	M105b
8	US7492J	2F	18M%	MON	2 0%	.80*	TTL	4	10	0.0	5.0	100n Δ			155m†		0	70	1	E0234	TO88
9	US7493A	2F	18M%	MON	2.0%	80*	TTL	4	10	0.0	5.0	135n Δ			155m†		0	70	1	E0235	M105b
10	US7493J	2F	18M%	MON	2.0%	80*	TTL	4	10	0.0	5 0	135n Δ			155m†		0	70	1	E0235	TO88
11	US5492J	2F	20M	MON	2.4%	40*	TTL	1	10	0 0	5 0	50n	10n†	10n†	160m Δ	1 0 Δ	-55	125	1	E0234	TO88
12	SN74191W	2F,4R	20M	MON	2 4	.40	TTL	8	10	0 0	5.0	20n			550m	1.0	0	70	1	E0320	Δ004AG
13	DM75L54F	2L	11M Δ %		2.4%	.70*		6		0.0	5 0	150n Δ			260m%		-55	125	1	E0178	FP88
14	DM75L54J	2L	11M Δ %		2.4%	.70*		6		0.0	5 0	150n Δ			260m%		-55	125	1	E0178	M200e
15	DM75L54N	2L	11M Δ %		2.4%	70*		6		0.0	5.0	150n Δ			260m%		-55	125	1	E0178	M117t
16	DM85L54F	2L	11M Δ %		2.4%	.70*		6		0 0	5 0	150n Δ			260m%		0	70	1	E0178	FP88
17	DM85L54J	2L	11M Δ %		2.4%	.70*		6		0.0	5.0	150n Δ			260m%		0	70	1	E0178	M200e
18	DM85L54N	2L	11M Δ %		2.4%	.70*		6		0.0	5 0	150n Δ			260m%		0	70	1	E0178	M117t
19	MRC1B	2R	5.0M	PCB	5 0	0 0		12	12	0	5 0				440m	1.0	0	70	4	E0236	CB53
20	T107	2R	10M	PCB	5.0	0.0	TTL	8	10	4 8	5 2	34n			750m	1.0	0	70	3		CB☑
21▼	SN54S169J	2RU	70M Δ %	MON	2.0%	.80*	TTL	9	10	0 0	5 0	11n			500m%	1.0 Δ	-55	125	1	E02106	M153d
22▼	SN54S169W	2RU	70M Δ %	MON	2.0%	80*	TTL	9	10	0 0	5 0	11n			500m%	1.0 Δ	-55	125	1	E02106	Δ004AG
23▼	SN74S169J	2RU	70M Δ %	MON	2.0%	.80*	TTL	9	10	0 0	5 0	11n			500m%	1.0 Δ	0	70	1	E02106	M153d
24▼	SN74S169N	2RU	70M%	MON	2 0%	80*	TTL	9	10	0.0	5.0	11n			500m%	1.0 Δ	0	70	1	E02106	M117x
25▼	SN54S163J	2U	70M Δ %	MON	2 0%	80*	TTL	9	10	0 0	5.0	10n			475m%	1 0 Δ	-55	125	1	E02105	M153d
26▼	SN54S163W	2U	70M Δ %	MON	2.0%	80*	TTL	9	10	0.0	5.0	10n			475m%	1.0 Δ	-55	125	1	E02105	Δ004AG
27▼	SN74S163J	2U	70M Δ %	MON	2.0%	80*	TTL	9	10	0.0	5.0	10n			475m%	1.0 Δ	0	70	1	E02105	M153d
28▼	SN74S163N	2U	70M Δ %	MON	2.0%	.80*	TTL	9	10	0.0	5 0	10n			475m%	1.0 Δ	0	70	1	E02105	M117x
29▼	SN54177J	2V	35M Δ	MON	2.0%	80*	TTL	8		0 0	5 0	34n			150m%		-55	125	1	E0167a	M157b
30▼	SN54177W	2V	35M Δ	MON	2.0%	.80*	TTL	8		0 0	5 0	34n			150m%		-55	125	1	E0167a	Δ004AA
31▼	SN74177J	2V	35M Δ	MON	2 0%	.80*	TTL	8		0 0	5 0	34n			150m%		0	70	1	E0167a	M157b
32▼	SN74177N	2V	35M Δ	MON	2 0%	80*	TTL	8		0.0	5.0	34n			150m%		0	70	1	E0167a	M126e
33	S8280A	3	25M† %	MON	2 6%	.50*†		8	8	0	5.0	25n% Δ		50n	194m	1.0 Δ	0	75	1	E0317	TO116
34	S8280A	3	25M† %	MON	2 6%	.50*†		8	8	0	5 0	25n% Δ		50n	194m	1 0 Δ	-55	125	1	E0317	TO116
35	CM4017AD	3	5.0M† Δ	MOS	10	0.0†		3		0 0	10	400n Δ	15u Δ	15u Δ	200m	4 5 Δ	-55	125	1	E0259	M210b
36	CM4017AE	3	5 0M† Δ	MOS	10	0.0†		3		0 0	10	500n Δ	15u Δ	15u Δ	200m	4 5 Δ	-40	85	1	E0259	M210b
37	CM4026AD	3	5.0M† Δ	MOS	10	0 0†		4		0.0	10	500n Δ	15u Δ	15u Δ	200m	4.5 Δ	-55	125	1	E057	M210b
38	CM4026AE	3	5 0M† Δ	MOS	10	0.0†		4		0.0	10	700n Δ	15u Δ	15u Δ	200m	4 5 Δ	-40	85	1	E057	M210b
39	CM4033AD	3	5.0M† Δ	MOS	10	0 0†		5		0 0	10	500n Δ	15u Δ	15u Δ	200m	4.5 Δ	-55	125	1	E058	M210b
40	CM4033AE	3	5.0M† Δ	MOS	10	0.0†		5		0.0	10	700n Δ	15u Δ	15u Δ	200m	4 5 Δ	-40	85	1	E058	M210b
41	SCL4017AD	3	5 0M	MOS	10	0.0		3	11	0 0	10	225n	15u	15u	100u	4 5	-55	125	1	E0259	Δ001AE
42	SCL4017AE	3	5 0M	MOS	10	0 0		3	11	0 0	10	225n	15u	15u	100u	4 5	-40	85	1	E0259	Δ001AC
43	SCL4017AF	3	5.0M	MOS	10	0.0		3	11	0.0	10	225n	15u	15u	100u	4.5	-55	125	1	E0259	Δ004AG
44	SCL4018AD	3	5 0M	MOS	10	0 0		4	10	0 0	10	250n	15u	15u	100u	4 5	-55	125	1	E0260	Δ001AE
45	SCL4018AE	3	5 0M	MOS	10	0.0		4	10	0.0	10	250n	15u	15u	100u	4 5	-40	85	1	E0260	Δ001AC
46	SCL4018AF	3	5 0M	MOS	10	0.0		4	10	0.0	10	250n	15u	15u	100u	4 5	-55	125	1	E0260	Δ004AG
47	BIP2610-1	3	500k	MON	14.5*	0.0%		2		0.0	14 5				200m		0	55	1	E0330	M280
48	BIP2611-1	3	500k	MON	14 5*	0.0%		2		0 0	14.5				200m		0	55	1	E0330	M280
49▼	MC14534CL	3	500k Δ	MOS	9 99%	01*†	CMS	7		0.0	10	600n	100n†	100n†	5.0m%		-40	85	1	E0339	M292
50▼	MC14534AL	3	1 0M Δ	MOS	9.99%	01*†	CMS	7		0.0	10	600n	100n†	100n†	500u%		-55	125	1	E0339	M292
51	D4033	3	5.0M	PCB	2.0%	95*	DTL	2	9	0	5 0	40n%	50n†	15n†	755m	1 0 Δ	0	75	1		CB☑
52	MC684L	3	500k† Ø	MON	12.5%	1 50*†	DTL	8	10	0 0	15				480m†		-30	75	1	E0333	M191
53	MC684P	3	500k† Ø	MON	12.5%	1.50*†	DTL	8	10	0 0	15				480m†		-30	75	1	E0333	M278
54	10137F	3	100M	MON	-.85	-1.7	ECT	5	70	5.2	0 0	5.0n	3 5n	3.5n	400m	200m	-30	85	1		M153a
55▼#	GXB10137	3		MON	-.88	-1.7†	ECT	8		5.2	0 0	2.0n%					0	75	1	E0335	M200f
56▼	MC10537L	3	150M%	MON	-.93%	-1.6*†	ECT	8		5.2	0 0	10n Δ	3 3n	3 3n	625m†		-55	125	1	E0335	M191
57	MC10137L	3	150M%	MON	-.96%	-1 6*†	ECT	8		5.2	0 0	3 3n%	3 3n	3.3n	625m†		-30	85	1	E0335	M191
58	MC780P	3	4 0M†	MON			RTL	6	10	0 0	3.6				250m†		15	55	1	E0318	TO116
59	MC880P	3	4.0M†	MON			RTL	6	10	0 0	3 6				250m†		0	75	1	E0318	TO116
60	HEPC3805P-RT	3					TTL		8	0.0	5 0	35n			250m						M154
61	MC9310F	3	28M† %	MON	1.7%	90*	TTL	9	6	0.0	5.5	25n			300m†		-55	125	1	E0324	FP85
62	MC9310L	3	28M† %	MON	1 7%	90*	TTL	9	6	0 0	5 5	25n			300m†		-55	125	1	E0324	M191
63	MC9316F	3	28M† %	MON	1 7%	90*	TTL	9		0 0	5.5	25n			300m†		-55	125	1	E0325	FP85
64	MC9316L	3	28M† %	MON	1.7%	90*	TTL	9	6	0.0	5 5	25n			300m†		-55	125	1	E0325	M191
65	MC8310F	3	28M† %	MON	1 8%	85*	TTL	9	6	0.0	5.25	25n			300m†		0	75	1	E0324	FP85
66	MC8310L	3	28M† %	MON	1 8%	85*	TTL	9	6	0.0	5 25	25n			300m†		0	75	1	E0324	M191
67	MC8310P	3	28M† %	MON	1 8%	85*	TTL	9	6	0 0	5.25	25n			300m†		0	75	1	E0324	M278
68	MC8316F	3	28M† %	MON	1 8%	85*	TTL	9	6	0 0	5.25	25n			300m†		0	75	1	E0325	FP85
69	MC8316L	3	28M† %	MON	1 8%	.85*	TTL	9	6	0 0	5.25	25n			300m†		0	75	1	E0325	M191
70	MC8316P	3	28M† %	MON	1.8%	.85*	TTL	9	6	0.0	5 25	25n			300m†		0	75	1	E0325	M278
71#	FLJ201-74190	3	25M% Δ	MON	2 0%	80*	TTL	8	10	0.0	5 0	52n Δ			525m§	1 0 Δ	0	70	1	E0320	M117w
72#	FLJ205-84190	3	25M% Δ	MON	2 0%	80*	TTL	8	10	0.0	5 0	52n Δ			525m§	1 0 Δ	-25	85	1	E0320	M117w
73	N74163B	3	25M Δ	MON	2.0%	80*	TTL	9	20	0.0	5 0	35n Δ			325m†		0	70	1	E0271	M256
74	N74163R	3	25M Δ	MON	2 0%	80*	TTL	9	20	0 0	5 0	35n Δ			325m†		0	70	1	E0271	FP79a
75	N74192B	3	25M	MON	2.0%	.80*	TTL	8	10	0 0	5 0	47n					0	70	1	E0273	M256
76	N74192R	3	25M	MON	2 0%	.80*	TTL	8	10	0 0	5.0	47n					0	70	1	E0273	FP79a
77	S54163B	3	25M Δ	MON	2 0%	.80*	TTL	9	20	0 0	5 0	35n Δ			325m†		-55	125	1	E0271	M256
78	S54163E	3	25M Δ	MON	2.0%	.80*	TTL	9	20	0 0	5.0	35n Δ			325m†		-55	125	1	E0271	M153a
79	S54163R	3	25M Δ	MON	2 0%	.80*	TTL	9	20	0 0	5.0	35n Δ			325m†		-55	125	1	E0271	FP79a
80	S54192B	3	25M	MON	2.0%	80*	TTL	8	10	0 0	5 0	47n					-55	125	1	E0273	M256
81	S54192E	3	25M	MON	2.0%	.80*	TTL	8	10	0 0	5.0	47n					-55	125	1	E0273	M153a
82	S54192R	3	25M	MON	2 0%	.80*	TTL	8	10	0 0	5 0	47n					-55	125	1	E0273	FP79a
83	DM7560D	3	30M%	MON	2 0%	80*	TTL		10	0	5 0	20n%			300m†	1.0	-55	125	1		
84	DM8560N	3	30M%	MON	2 0%	.80*	TTL		10	0	5.0	20n%			300m†	1 0	0	70	1		
85#	FLJ241-74192	3	32M% Δ	MON	2.0%	80*	TTL	8	10	0.0	5 0	47n Δ			510m§	1 0 Δ	0	70	1	E0148	M117w
86#	FLJ245-84192	3	32M% Δ	MON	2 0%	.80*	TTL	8	10	0.0	5.0	47n Δ			510m§	1.0 Δ	-25	85	1	E0148	M117w
87▼	SN29310J	3	32M Δ %	MON	2.0%	.80*	TTL			0.0	5 0	35n Δ			315m%		0	75	1	E0166	M153d
88▼	SN29310N	3	32M Δ %	MON	2.0%	80*	TTL			0.0	5 0	35n Δ			315m%		0	75	1	E0166	M117x
89▼	SN39310J	3	32M Δ %	MON	2.0%	80*	TTL			0.0	5.0	35n Δ			315m%		-55	125	1	E0166	M153d
90▼	SN54290J	3	32M Δ Ø	MON	2.0%	80*	TTL	6		0.0	5.0	50n Δ			145m%		-55	125	1	E0340	M157b
91▼	SN54290W	3	32M Δ Ø	MON	2 0%	80*	TTL	6		0 0	5.0	50n Δ			145m%		-55	125	1	E0340	Δ004AA
92▼	SN74290J	3	32M Δ Ø	MON	2.0%	.80*	TTL	6		0 0	5 0	50n Δ			145m%		-55	125	1	E0340	M157b
93▼	SN74290N	3	32M Δ Ø	MON	2.0%	80*	TTL	6		0.0	5 0	50n Δ			145m%		-55	125	1	E0340	M126e
94	HEPC3800P-RT	3		MON	2 4%	.40*†	TTL	6	10	0 0	5.0	20n			160m†		0	70	1	E0323	TO116
95	MC8306L	3		MON	2 4%	40*†	TTL	13	6	0.0	5 0	20n%			350m†		0	75	1	E0290	M291
96	MC8306P	3		MON	2 4%	.40*†	TTL	13	6	0 0	5 0	20n%			350m†		0	75	1	E0290	M237
97	MC9306L	3		MON	2 4%	40*†	TTL	13	6	0.0	5 0	20n%			350m†		-55	125	1	E0290	M291
98	MC5490F	3	10M† Ø	MON	2 4%	40*†	TTL	6	10	0 0	5.0	100n Δ			160m†		-55	125	1	E0323	TO86
99	MC5490L	3	10M† Ø	MON	2.4%	40*†	TTL	6	10	0.0	5.0	100n Δ			160m†		-55	125	1	E0323	TO116
100♦	MC7490F	3	10M† Ø	MON	2 4%	40*†	TTL	6	10	0 0	5 0	100n Δ			160m†		0	75	1	E0323	TO86
101♦	MC7490L,P%	3	10M† Ø	MON	2.4%	40*†	TTL	6	10	0.0	5 0	100n Δ			160m†		0	75	1	E0323	TO116
102▼	MC8390F	3	10M† Ø	MON	2.4%	40*†	TTL	6	10	0.0	5.0	100n Δ			160m†		0	75	1	E0323	TO86
103▼	MC8390L,P%	3	10M† Ø	MON	2 4%	40*†	TTL	6	10	0 0	5.0	100n Δ			160m†		0	75	1	E0323	TO116
104▼	MC9390F	3	10M† Ø	MON	2.4%	40*†	TTL	6	10	0.0	5 0	100n Δ			160m†		-55	125	1	E0323	TO86
105▼	MC9390L	3	10M† Ø	MON	2 4%	40*†	TTL	6	10	0 0	5 0	100n Δ			160m†		-55	125	1	E0323	TO116
106	MC54454L	3	12M%	MON	2 4%	40*†	TTL	9	10	0.0	5.0				600m†		-55	125	2	E0337	M291
107	MC74454L	3	12M%	MON	2.4%	40*†	TTL	9	10	0 0	5 0				600m†		0	75	2	E0337	M291
108	MC74454P	3	12M%	MON	2.4%	40*†	TTL	9	10	0 0	5 0				600m†		0	75	2	E0337	M237
109	MC54192F	3	25M	MON	2 4%	.40*†	TTL	8	10	0 0	5.0	31n%			325m†		-55	125	1	E0332	FP85
110	MC54192L	3	25M	MON	2.4%	40*†	TTL	8	10	0.0	5 0	31n%			325m†		-55	125	1	E0332	M191

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

6. COUNTERS

IN ORDER OF (1)TYPE OF COUNTER(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF COUNTER	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	MC74192F	3	25M	MON	2 4%	.40*↑	TTL	8	10	0 0	5 0	31n%			325m↑		0	75	1	E0332	FP85
2	MC74192L	3	25M	MON	2.4%	.40*↑	TTL	8	10	0.0	5.0	31n%			325m↑		0	75	1	E0332	M191
3	MC74192P	3	25M	MON	2 4%	.40*↑	TTL	8	10	0 0	5.0	31n%			325m↑		0	75	1	E0332	M278
4	MC54452F	3	40M↑%	MON	2 4%	.40*↑	TTL	3		0 0	5 0				350m↑		-55	125	2	E0336	FP85
5	MC54452L	3	40M↑%	MON	2 4%	40*↑	TTL	3		0 0	5 0				350m↑		-55	125	2	E0336	M191
6	MC74452F	3	40M↑%	MON	2 4%	.40*↑	TTL	3	10	0.0	5.0				350m↑		0	75	2	E0336	FP85
7	MC74452L	3	40M↑%	MON	2.4%	40*↑	TTL	3	10	0 0	5.0				350m↑		0	75	2	E0336	M191
8	MC74452P	3	40M↑%	MON	2.4%	.40*↑	TTL	3		0.0	5.0				350m↑		0	75	2	E0336	M278
9	N8280F	3	25M↑%	MON	2.6%	.40↑*	TTL	8		0.0	5 0	25n%Δ			236m		0	75	1	E0317	M157
10	N8280Q	3	25M↑%	MON	2 6%	40↑*	TTL	8		0.0	5 0	25n%Δ			236m		0	75	1	E0317a	TO88
11	S8280F	3	25M%	MON	2 6%	.40↑*	TTL	8		0.0	5.0	25n%Δ			236m		-55	125	1	E0317	M157
12	S8280Q	3	25M%	MON	2 6%	40↑*	TTL	8		0 0	5.0	25n%Δ			236m		-55	125	1	E0317a	TO88
13	MC7280F	3	25M↑%	MON	2 8%	.40*↑	TTL	8	4	0 0	5.0	25nΔ			130m↑		0	75	1	E0331	TO86
14	MC7280L,P%	3	25M↑%	MON	2 8%	.40*↑	TTL	8	4	0.0	5.0	25nΔ			130m↑		0	75	1	E0331	TO116
15	MC8280F	3	25M↑%	MON	2.8%	.40*↑	TTL	8	4	0.0	5.0	25nΔ			130m↑		-55	125	1	E0331	TO86
16	MC8280L	3	25M↑%	MON	2 8%	40*↑	TTL	8	4	0.0	5.0	25nΔ			130m↑		-55	125	1	E0331	TO116
17	SP3280A	3	25M%	MON	3 5%	60↑*	TTL	8	5	0 0	5 0	50nΔ			260m	1.0 Δ	0	75	1	E0326	TO116
18	SP3281A	3	25M%	MON	3.5%	.60↑*	TTL	8	5	0.0	5.0	50nΔ			260m	1.0 Δ	0	75	1	E0327	TO116
19	I797	3	10M	PCB	5.0	0.0	TTL	8	4	4.8	5.2	50n	50n	25n	600m	1.0	0	70	4		CB☑
20	MC4316L	3U	8.0M↑Ø	MON	2 4%	.40*↑	TTL	8	8	0.0	5.0	78nΔ			250m↑		0	75	1	E0322	TO116
21	MC54416L	3U	8.0M↑Ø	MON	2 4%	.40*↑	TTL	8	8	0.0	5.0	45nΔ			250m↑		-55	125	1	E0322	M191
22	MC54417L	3U	8.0M↑Ø	MON	2.4%	.40*↑	TTL	9	8	0.0	5 0	45nΔ			250m↑		-55	125	1	E0338	M191
23	MC74416L	3U	8.0M↑Ø	MON	2 4%	40*↑	TTL	8	8	0 0	5.0	45nΔ			250m↑		0	75	1	E0322	M191
24	MC74416P	3U	8.0M↑Ø	MON	2 4%	.40*↑	TTL	8	8	0.0	5.0	45nΔ			250m↑		0	75	1	E0322	M278
25	MC74417L	3U	8.0M↑Ø	MON	2 4%	.40*↑	TTL	9	8	0.0	5 0	45nΔ			250m↑		0	75	1	E0338	M191
26	MC74417P	3U	8.0M↑Ø	MON	2 4%	.40*↑	TTL	9	8	0.0	5.0	45nΔ			250m↑		0	75	1	E0338	M278
27	MC4016L	3U	8.0M↑%	MON	2.5%	.40*↑	TTL	8	8	0.0	5.0	78nΔ			250m↑		0	75	1	E0322	M191
28	MC4016P	3U	8.0M↑%	MON	2 5%	40*↑	TTL	8	8	0.0	5.0	78nΔ			250m↑		0	75	1	E0322	M278
29▼	SN54176J	3V	35MΔ	MON	2 0%	.80*	TTL	8		0.0	5.0	34n			150m%		-55	125	1	E0157a	M157b
30▼	SN54176W	3V	35MΔ	MON	2.0%	.80*	TTL	8		0.0	5 0	34n			150m%		-55	125	1	E0157a	Δ004AA
31▼	SN74176J	3V	35MΔ	MON	2.0%	.80*	TTL	8		0 0	5.0	34n			150m%		0	70	1	E0157a	M157b
32▼	SN74176N	3V	35MΔ	MON	2.0%	.80*	TTL	8		0 0	5.0	34n			150m%		0	70	1	E0157a	M126e
33	MC14022AL	5	12MΔ%	MOS	9.99%	01*↑		3		0 0	10		75n	75n	100u		-55	125	1	E059	M191
34	MC14022CL	5	12MΔ%	MOS	9 99%	01*↑		3		0 0	10		110n	110n	1 0m		-40	85	1	E059	M191
35	MC14022CP	5	12MΔ%	MOS	9 99%	.01*↑		3		0.0	10		110n	110n	1 0m		-40	85	1	E059	M278
36#	M5812P	5	100k	MOS	-9.0%	-4.0*		4		30	30	1.5u%			16m↑	2 0 Δ	0	75	1	E054	M105ı
37	CD4017AD	5	5 0MΔ%	MOS	10	0 0↑		3		0 0	10	400nΔ	15uΔ	15uΔ	100u%	4.5 Δ	-55	125	1	E0259	Δ001AE
38	CD4017AE	5	5.0MΔ%	MOS	10	0 0↑		3		0 0	10	500nΔ	15uΔ	15uΔ	1 0m%	4.5 Δ	-40	85	1	E0259	Δ001AC
39	CD4017AK	5	5.0MΔ%	MOS	10	0.0↑		3		0.0	10	400nΔ	15uΔ	15uΔ	100u%	4 5 Δ	-55	125	1	E0259	Δ004AG
40	CD4018AD	5	5 0MΔ%	MOS	10	0 0↑		9		0.0	10	400nΔ	15uΔ	15uΔ	100u%	4 5 Δ	-55	125	1	E0260	Δ001AE
41	CD4018AE	5	5 0MΔ%	MOS	10	0 0↑		9		0.0	10	500nΔ	15uΔ	15uΔ	1.0m%	4 5 Δ	-40	85	1	E0260	Δ001AC
42	CD4018AK	5	5 0MΔ%	MOS	10	0.0↑		9		0.0	10	400nΔ	15uΔ	15uΔ	100u%	4.5 Δ	-55	125	1	E0260	Δ004AG
43	CD4022AD	5	5 0MΔ%	MOS	10	0 0↑		3		0 0	10	400nΔ	15uΔ	15uΔ	100u%	4 5 Δ	-55	125	1	E056	Δ001AE
44	CD4022AE	5	5.0MΔ%	MOS	10	0.0↑		3		0.0	10	800nΔ	15uΔ	15uΔ	1.0m%	4.5 Δ	-40	85	1	E056	Δ001AC
45	CD4022AK	5	5.0MΔ%	MOS	10	0 0↑		3		0.0	10	400nΔ	15uΔ	15uΔ	100u%	4.5 Δ	-55	125	1	E056	Δ001AG
46	CD4026AD	5	5.0MΔ%	MOS	10	0 0↑		4	50	0.0	10	500nΔ	15uΔ	15uΔ	100u%	4 5 Δ	-55	125	1	E057	Δ001AE
47	CD4026AE	5	5.0MΔ%	MOS	10	0 0↑		4	50	0.0	10	700nΔ	15uΔ	15uΔ	1.0m%	4 5 Δ	-40	85	1	E057	Δ001AC
48	CD4026AK	5	5.0MΔ%	MOS	10	0.0↑		4	50	0 0	10	500nΔ	15uΔ	15uΔ	100u%	4.5 Δ	-55	125	1	E057	Δ004AG
49	SCL4026AD	5	5 0M	MOS	10	0.0		4	50	0 0	10	500n	15u	15u	100u%	4.5	-55	125		E057	Δ001AE
50	SCL4026AE	5	5 0M	MOS	10	0 0		4	50	0 0	10	500n	15u	15u	100u%	4.5	-40	85		E057	Δ001AC
51	SCL4026AF	5	5.0M	MOS	10	0 0		4	50	0 0	10	500n	15u	15u	100u%	4.5	-55	125		E057	Δ004AG
52	SCL4033AD	5	5 0M	MOS	10	0 0		5	50	0.0	10	500n	15u	15u	100u%	4.5	-55	125		E058	Δ001AE
53	SCL4033AE	5	5.0M	MOS	10	0 0		5	50	0.0	10	500n	15u	15u	100u%	4 5	-40	85		E058	Δ001AC
54	SCL4033AF	5	5 0M	MOS	10	0.0		5	50	0.0	10	500n	15u	15u	100u%	4 5	-55	125		E058	Δ004AG
55	SCL4022AD	5	6.0M	MOS	10	0.0		3	10	0.0	10	225n	15u	15u	100u%	4 5	-55	125	1	E056	Δ001AC
56	SCL4022AE	5	6 0M	MOS	10	0 0		3	10	0 0	10	225n	15u	15u	100u%	4.5	-40	85	1	E056	Δ001AE
57	SCL4022AF	5	6.0M	MOS	10	0 0		3	10	0 0	10	225n	15u	15u	100u	4.5	-55	125	1	E056	Δ004AG
58	MC939F	5	30M%	MON	2.6%	40*	DTL	6	32	0 0	5 0				150m↑	1.0	-55	125	1	E053	TO86
59	MC939L	5	30M%	MON	2.6%	40*	DTL	6	32	0 0	5.0				150m↑	1.0	-55	125	1	E053	TO116
60	MC839F	5	30M%	MON	2.6%	45*	DTL	6	32	0.0	5.0				150m↑	1.0	0	75	1	E053	TO86
61	MC839L,P%	5	30M%	MON	2.6%	45*	DTL	6	32	0 0	5 0				150m↑	1 0	0	75	1	E053	TO116
62#	ZN7492E	6	18M%	MON	2 0%	80*		2		0 0	5 0	100nΔ			155m%		0	70	1	E0613	M126
63#	ZN7492F	6	18M%	MON	2.0%	.80*		2		0.0	5 0	100nΔ			155m%		0	70	1	E0613	TO86
64	MC4023F	6	30M%		2 5*	40*↑		4	10	0 0	5.2	16n			200m↑		0	75	1	E067	TO86
65	CD4029AD	6	5 0MΔ%	MOS	10	0 0↑		9	50	0 0	10	300nΔ	15uΔ	15uΔ	100u%	4.5 Δ	-55	125	1	E0611	Δ001AE
66	CD4029AE	6	5.0MΔ%	MOS	10	0 0↑		9	50	0 0	10	600nΔ	15uΔ	15uΔ	1 0m%	4.5 Δ	-40	85	1	E0611	Δ001AC
67	CD4029AK	6	5 0MΔ%	MOS	10	0 0↑		9	50	0.0	10	300nΔ	15uΔ	15uΔ	100u%	4 5 Δ	-55	125	1	E0611	Δ004AG
68	CM4018AD	6	5.0M↑Δ	MOS	10	0.0↑		9		0.0	10	400nΔ	15uΔ	15uΔ	200m	4 5 Δ	-55	125	1	E0260	M210b
69	CM4018AE	6	5 0M↑Δ	MOS	10	0 0↑		9		0 0	10	500nΔ	15uΔ	15uΔ	200m	4.5 Δ	-40	85	1	E0260	M210b
70	CM4022AD	6	5 0M↑Δ	MOS	10	0 0↑		3		0.0	10	225nΔ	15uΔ	15uΔ	200m	4 5 Δ	-55	125	1	E056	M210b
71	CM4022AE	6	5.0M↑Δ	MOS	10	0 0↑		3		0 0	10	250nΔ	15uΔ	15uΔ	200m	4 5 Δ	-40	85	1	E056	M210b
72	M102	6	5.0M	PCB	10	0 0		9	50	0 0	10	300n	15u	15u		4.5	-55	95	3		CB☑
73	SCL4029AD	6	5 0M	MOS	10	0 0		9	50	0 0	10	300n	15u	15u	100u%	4.5	-55	125			Δ001AE
74	SCL4029AE	6	5.0M	MOS	10	0 0		9	50	0 0	10	300n	15u	15u	100u%	4.5	-40	85			Δ001AC
75	SCL4029AF	6	5 0M	MOS	10	0 0		9	50	0 0	10	300n	15u	15u	100u%	4.5	-55	125			Δ004AG
76▼#	DN811	6		MON	13%	.40*	DTL	2	4	0.0	15				450m	1 0	-20	75	1	E0617	M257d
77▼	MC10138L	6	150M↑Ø	MON	-.96%	-1 6*↑	ECT	7		5.2	0.0	3.5n%	2.5n↑	2.5n↑	370m↑		-30	85	1	E0615	M191
78	MC1678L	6	350M%↑	MON	-.96%	-1.6*	ECT	7	70	5.2	0.0	3.7n	2 7n	2.6n	750m↑		0	75	1	E069	M191
79	MC1679L	6	350M%↑	MON	-.96%	-1 6*	ECT	7	7	5.2	0 0	3.7n	2.7n	2 6n	750m↑		0	75	1	E069	M191
80♦	JANM38510/01301BCB	6	10MØ	MON	2 0%	.80*	TTL	4	10	0 0	5.5	81nΔ			268m		-55	125	1	E0614	M314
81♦	JANM38510/01301BCC	6	10MØ	MON	2 0%	80*	TTL	4	10	0 0	5.5	81nΔ			268m		-55	125	1	E0614	M314
82♦	JANM38510/01301BDB	6	10MØ	MON	2.0%	80*	TTL	4	10	0 0	5.5	81nΔ			268m		-55	125	1	E0614	FP83
83♦	JANM38510/01301BDC	6	10MØ	MON	2 0%	80*	TTL	4	10	0.0	5.5	81nΔ			268m		-55	125	1	E0614	FP83
84♦	JANM38510/01301CCB	6	10MØ	MON	2.0%	80*	TTL	4	10	0 0	5 5	81nΔ			268m		-55	125	1	E0614	M314
85♦	JANM38510/01301CCC	6	10MØ	MON	2 0%	80*	TTL	4	10	0 0	5.5	81nΔ			268m		-55	125	1	E0614	M314
86♦	JANM38510/01301CDB	6	10MØ	MON	2 0%	.80*	TTL	4	10	0.0	5.5	81nΔ			268m		-55	125	1	E0614	FP83
87♦	JANM38510/01301CDC	6	10MØ	MON	2 0%	80*	TTL	4	10	0 0	5.5	81nΔ			268m		-55	125	1	E0614	FP83
88#	FJB9305	6	26M%Δ	MON	2.0%	.80*	TTL	6	8	0.0	5.0	62nΔ			330m%		0	70	1	E068	Δ001AA
89	DM7532D	6	30M%	MON	2 0%	80*	TTL		10	0	5 0	20n%			250m↑	1 0	-55	125	1		
90	MC4023L,P%	6	30M%	MON	2.5*	.40*↑	TTL	8	10	0 0	5.0	16n			200m↑		0	75	1	E067	TO116
91	D4027	6B	5.0M	PCB	2 0%	95*	DTL	2	11	0	5.0	40n%	50n↑	15n↑	500m	1.0 Δ	0	75	4		CB☑
92#	MIC5492J	6F	18MΔ%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	100nΔ			124m↑	500m	-55	125	1	E0234	TO116
93#	MIC6492J	6F	18MΔ%	MON	2 0%	80*	TTL	4	10	0 0	5 0	100nΔ			124m↑	500m	-40	85	1	E0234	TO116
94#	MIC7492J	6F	18MΔ%	MON	2.0%	.80*	TTL	4	10	0 0	5 0	100nΔ			124m↑	500m	0	75	1	E0234	TO116
95#	MIC7492N	6F	18MΔ%	MON	2 0%	80*	TTL	4	10	0 0	5 0	100nΔ			124m↑	500m	0	75	1	E0234	TO116
96▼	MC14536AL	6U	3.0MΔ	MOS	9.99%	.01*↑	CMS	5		0.0	10	650n	75n	75n	100u%		-55	125	1	E0616	M191
97▼	MC14536CL	6U	3.0MΔ	MOS	9 99%	01*↑	CMS	5		0 0	10	650n	110n	110n	1.0m%		-40	85	1	E0616	M191
98	9305DM	6U	20MΔ	MON	1 7%	90*	TTL	6	8	0 0	5 0	55n%			300m%	400m	-55	125	1	E068	M105ad
99	9305DC	6U	20MΔ	MON	1.8%	85*	TTL	6	8	0.0	5 0	55n%			325m%	400m	0	75	1	E068	M105ad
100	9305FC	6U	20MØ	MON	2 0%	80*	TTL	6	8	0.0	5.0	62nΔ			330m§	400m	0	75	1	E068	TO86
101	9305FM	6U	20MØ	MON	2.0%	80*	TTL	6	8	0.0	5.0	57nΔ			330m§	400m	-55	125	1	E068	TO86
102	374AJ	7		MON	6 5*	5 0%	DTL	10		0 0	15					3.2	-30	70	1	E0257	M319

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

6. COUNTERS

IN ORDER OF (1)TYPE OF COUNTER(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF COUNTER	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX RISE TIME tr (s)	MAX FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	374AL	7		MON	6 5*	5 0%	DTL	10		0 0	15					3 2	-30	70	1	E0257	M200j
2	374BL	7		MON	6.5*	5 0%	DTL	10		0 0	12					3 5	-55	125	1	E0257	M200j
3	374CJ	7		MON	6 5*	5 0%	DTL	10		0 0	12					3 5	-30	85	1	E0257	M319
4	374CL	7		MON	6 5*	5 0%	DTL	10		0 0	15					3 2	-55	125	1	E0257	M200j
5	374ML	7		MON	6 5%	5 0%	DTL	10		0 0	15					3 2	-55	125	1	E0257	M200j
6	372AJ	7	1 0M†%	MON	6 5*	5.0%	DTL	8	5	0 0	15	800nΔ			795m†	3 2	-30	70	1	E0150	M319
7	372AL	7	1 0M†%	MON	6 5*	5 0%	DTL	8	5	0 0	15	800nΔ			795m†	3 2	-30	70	1	E0150	M200j
8	372BL	7	1 0M†%	MON	6 5*	5.0%	DTL	8	5	0 0	12	800nΔ			492m†	3 5	-55	125	1	E0150	M200j
9	372CL	7	1.0M†%	MON	6.5*	5 0%	DTL	8	5	0 0	12	800nΔ			492m†	3 5	-30	85	1	E0150	M200j
10	372ML	7	1 0M†%	MON	6 5*	5.0%	DTL	8	5	0 0	15	800nΔ			795m†	3 2	-55	125	1	E0150	M200j
11	10136F	7	100M	MON	-85	-1 7	ECT	5	70	5 2	0 0	5 0n	3 5n	3 5n	400m	200m	-30	85	1		M153a
12▼#	GXB10136	7		MON	-88	-1 7†	ECT	8		5 2	0 0	2 0n%					0	75	1	E073	M200f
13	MC10136L	7	150M%	MON	-96%	-1 6*†	ECT	8		5 2	0.0	3 3n%	3 3n	3 3n	625m†		-30	85	1	E073	M191
14▼	AM2501DC	7	27M%		1 7%	85*	TTL	14		0 0	5 0	60nΔ			480m%		0	75	1	E0146	M246
15▼	AM2501DM	7	27M%		1 7%	.85*	TTL	14		0 0	5 0	60nΔ			455m%		-55	125	1	E0146	M246
16▼	93L66DC	7	23M%		2 0%	70*	TTL	10		0 0	5 0	75nΔ			85m†		0	75	1	E0171	M224c
17▼	93L66DM	7	23M%		2.0%	70*	TTL	10		0 0	5 0	75nΔ			85m†		-55	125	1	E0171	M224c
18▼	93L66FM	7	23M%		2 0%	70*	TTL	10		0 0	5 0	75nΔ			85m†		-55	125	1	E0171	M357
19▼	93L66PC	7	23M%		2 0%	70*	TTL	10		0 0	5 0	75nΔ			85m†		0	75	1	E0171	FP79b
20▼	9316PC	7		MON	2 0%	80*	TTL	10	6	0 0	5 0	50nΔ			470m%		0	75	1	E0147	M357
21♦	9316DC	7	15M%	MON	2 0%	80*	TTL	10	6	0.0	5 0	50nΔ			470m%	400m	0	75	1	E0147	M224c
22♦	9316DM	7	15M%	MON	2 0%	80*	TTL	10	6	0 0	5.0	50nΔ			470m%	400m	-55	125	1	E0147	M224c
23♦	9316FM	7	15M%	MON	2 0%	80*	TTL	10	6	0 0	5 0	50nΔ			470m%	400m	-55	125	1	E0147	FP79b
24♦	N8284A	7	30M%	MON	2 0%	80*	TTL	6	12	0 0	5 0		5 0n	5 0n	360m		0	75	1	E0251	M344a
25♦	N8284F	7	30M%	MON	2 0%	80*	TTL	6	12	0 0	5 0				360m		0	75	1	E0251	M297d
26♦	S8284F	7	30M%	MON	2 0%	80*	TTL	6	12	0 0	5 0				360m		-55	125	1	E0251	M297d
27♦	9366DC	7	32M%	MON	2 0%	.80*	TTL	8	6	0 0	5 0	47nΔ			510m%		0	75	1	E0257	M224c
28♦	9366DM	7	32M%	MON	2 0%	80*	TTL	8	6	0 0	5 0	47nΔ			445m%		-55	125	1	E0257	M224c
29♦	9366FM	7	32M%	MON	2 0%	80*	TTL	8	6	0 0	5 0	47nΔ			445m%		-55	125	1	E0257	FP79b
30▼	9366PC	7	32M%	MON	2 0%	80*	TTL	8	6	0 0	5 0	47nΔ			510m%		0	75	1	E0257	M357
31	MC54453F	7	40M†%	MON	2 4%	40*†	TTL	3		0 0	5 0				350m†		-55	125	2	E0336	FP85
32	MC54453L	7	40M†%	MON	2 4%	40*†	TTL	3		0 0	5 0				350m†		-55	125	2	E0336	M191
33	MC74453F	7	40M†%	MON	2 4%	40*†	TTL	3	10	0 0	5 0				350m†		0	75	2	E0336	FP85
34	MC74453L	7	40M†%	MON	2 4%	40*†	TTL	3	10	0 0	5 0				350m†		0	75	2	E0336	M191
35	MC74453P	7	40M†%	MON	2 4%	40*†	TTL	3		0 0	5 0				350m†		0	75	2	E0336	M278
36	MC4318L	7U	8 0M†Ø	MON	2 4%	40*†	TTL	8	8	0 0	5 0	78nΔ			250m†		0	75	1	E071	TO116
37	MC54418L	7U	8 0M†Ø	MON	2 4%	40*†	TTL	8	8	0 0	5 0	78nΔ			250m†		-55	125	1	E071	M191
38	MC54419L	7U	8.0M†Ø	MON	2 4%	40*†	TTL	9	8	0 0	5 0	78nΔ			250m†		-55	125	1	E074	M191
39	MC74418L	7U	8 0M†Ø	MON	2 4%	40*†	TTL	8	8	0 0	5 0	78nΔ			250m†		0	75	1	E071	M191
40	MC74418P	7U	8 0M†Ø	MON	2 4%	40*†	TTL	8	8	0.0	5 0	78nΔ			250m†		0	75	1	E071	M278
41	MC74419L	7U	8 0M†Ø	MON	2 4%	40*†	TTL	9	8	0 0	5 0	78nΔ			250m†		0	75	1	E074	M191
42	MC74419P	7U	8 0M†Ø	MON	2 4%	40*†	TTL	9	8	0.0	5 0	78nΔ			250m†		0	75	1	E074	M278
43	MC4018L	7U	8 0M†Ø	MON	2 5%	40*†	TTL	8	8	0.0	5 0	78nΔ			250m†		0	75	1	E071	M191
44	MC4018P	7U	8 0M†Ø	MON	2 5%	40*†	TTL	8	8	0 0	5 0	78nΔ			250m†		0	75	1	E071	M278

7. DECODERS

IN ORDER OF (1)FROM CODE(2)TO CODE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No	6 TYPE No.	DECODES 1 FROM	DECODES 2 TO	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	No OF LINES IN	No OF LINES OUT	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	TRANSITION TIME (s)	RISE TIME tr (s)	FALL TIME tf (s)	MAX. TOTAL POWER DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1▼	5549	1	2		PCB	20%	80*	7	7	00	50	40nt△			930mt		0	70	3		CB62
2#	FLH571-74185A	1	2		MON	20%	80*	5	5	00	50	40nt			240mt	10 △	0	70	1	F0275	M117w
3#	FLH575-84185A	1	2		MON	20%	80*	5	5	00	50	40nt			240mt	10 △	-25	85	1	F0275	M117w
4	MDB1	1	2	50M	PCB	20%	95*	1	11		5				565m	10 △	0	70			CB37c
5	MC4001L#2	1	2			25*	45*†	6		00	50	45n			300mt		0	75	1	F0236	M191
6	MC4001P#2	1	2			25*	45*†	6		00	50	45n			300mt		0	75	1	F0236	M278
7	I417	1	3	50	PCB	50	00	4	10	48	52	100n	100n	100n	600m	1.0	0	70	3		CB☑
8	FCH301	1	4		MON	60	00	4	10		60	70n			250m	10	0	70	1	F0120	M117f
9#	DN852	1	8		MON					00	50				135m%		-20	75	1	F0150	M200m
10	R151	1	8	20M	PCB	00	-30	7	8	15	10		75n	60n	800m		-20	65	1	F016	CB31
11	W108	1	8	500k	PCB	-20	-3.0			15	10		100n	15u	240m		-20	65	1		
12#	M54402P	1	8		MON	20%	80*	4	80	00	70	30n%			113mt	10 △	0	75	1	F0235	M105j
13	N8250F	1	8		MON	20%	80*	4		00	50				125m		0	75	1	F0125	M157
14	S8250F	1	8		MON	20%	80*	4		00	50				125m		-55	125	1	F0125	M157
15	N8250A	1	8		MON	26%	40†	4	8	00	50		50n	50n	125m		0	75	1	F0125	M105q
16	N8250J	1	8		MON	26%	40†	4	8	00	50		50n	50n	125m		0	75	1	F0125	TO88
17	S8250A	1	8		MON	26%	40†	4	8	00	50		50n	50n	125m		-55	125	1	F0125	M105q
18	S8250J	1	8		MON	26%	40†	4	8	00	50		50n	50n	125m		-55	125	1	F0125	TO88
19	MC14028AL#2	1	8		MOS	499%	01*†	3	10	00	10	480n△	175n	200n	100u		-55	125	1	F0272	M191
20	MC14028CL#2	1	8		MOS	499%	01*†	3	10	00	10	480n△	175n	200n	10m		-40	85	1	F0272	M191
21	MC14028CP#2	1	8		MOS	499%	01*†	3	10	00	10	480n△	175n	200n	10m		-40	85	1	F0272	M278
22	SCL4428AD	1	8		MOS	10	00†	4	8	00	10	75n			200m	45 △	-55	125	1	F0151	△002AE
23	SCL4428AE	1	8		MOS	10	00†	4	8	00	10	75n			200m	45 △	-40	85	1	F0151	△001AC
24	SCL4428AF	1	8		MOS	10	00†	4	8	00	10	75n			200m	45 △	-55	125	1	F0151	△004AG
25	N8T01B	1	10		MON	68%	27†*	4	10	5	5				60mt		0	75	1	F0119	M117a
26	N8T01E	1	10		MON	68%	27†*	4	10	50	5.0				60mt		0	75	1	F0119	M153a
27	S8T01B	1	10		MON	68%	27†*	4	10	5	5				60mt		-20	85	1	F0119	M117a
28	S8T01E	1	10		MON	68%	27*†	4	10	50	50				60mt		-55	125	1	F0119	M153a
29	MC1044P	1	18		MON	85%	15*†	4	10	52	00	60n			245m		0	75	1	F0129	M278
30	MC1242F	1	18		MON	-75%	16*	3	4	52	00	14n			245mt		-55	125	2	F0127	FP85
31	MC1042P	1	18		MON	-75%	-16*	3	4	52	00	65n			245m		0	75	2	F0127	M278
32	MC1242L	1	18		MON	-75%	-16*	3	4	52	00	14n			245mt		-55	125	2	F0127	M191
33	MC1043P	1	18		ECT	-85%	-15*†	3	8	52	00	60n	45n	65n	210m		0	75	1	F0126	TO116
34	MC1243F	1	18		MON	-85%	-15*†	3	8	52	00	60n	45n	65n	210m		-55	125	1	F0126	TO86
35	10161F	1	18	160M	MON	-85	-17	5	8	52	00	40n	25nt	25nt	285mt	200m	-30	85	1	F0142	M153a
36	10162F	1	18	160M	MON	-85	-17	5	8	52	00	40n	25nt	25nt	285mt	200m	-30	85	1	F0143	M153a
37	10171F	1	18	160M	MON	-85	-17	5	8	52	00	40n	25nt	25nt	295mt	200m	-30	85	1	F0144	M153a
38	10172F	1	18	160M	MON	-85	-17	5	8	52	00	40n	25nt	25nt	295mt	200m	-30	85	1	F0145	M153a
39#	GXB10161	1	18		MON	-88	-17	5	8	52	00	40nt	30nt	30nt	490mt		0	75	1	F0136	M200n
40#	GXB10162	1	18		MON	-88	-17	5	8	52	00	40nt	30nt	30nt	490mt		0	75	1	F0136	M200n
41▼#	GXB10172	1	18		MON	-88	-17†	5		52	00	20nt					0	75	2	F0145	M200f
42▼	MC10561L	1	18		MON	-93%	-16*†	5	8	52	00	40nt	20n	20n	315mt		-55	125	1	F0152	M191
43▼	MC10562L	1	18		MON	-93%	-16*†	5	8	52	00	40nt	20n	20n	315mt		-55	125	1	F0152a	M191
44	MC10161L	1	18		MON	-96%	-16*†	5	8	52	00	60n△	33n	33n	315mt		-30	85	1	F0136	M191
45▼	MC10161P	1	18		MON	-96%	-16*†	5	8	52	00	60n△	33n	33n	315mt		-30	85	1	F0136	M278
46	MC10162L	1	18		MON	-96%	-16*†	5	8	52	00	60n△	33n	33n	315mt		-30	85	1	F0136a	M191
47▼	MC10162P	1	18		MON	-96%	-16*†	5	8	52	00	60n△	33n	33n	315mt		-30	85	1	F0136a	M278
48	MC10171L	1	18		MON	-96%	-16*†	5		52	00	40n%	20nt	20nt	325mt		-30	85	2	F0144a	M191
49	MC10172L	1	18		MON	-96%	-16*†	5		52	00	40n%	20nt	20nt	325mt		-30	85	2	F0144a	M191
50	9315DM	1	18		MON	19%	11*	4	10	00	50						-55	125	1	F0233a	M153a
51	9315FM	1	18		MON	19%	11*	4	10	00	50						-55	125	1	F0233a	FP47b
52▼	93L01PC	1	18		MON	20%	70*	4	10	00	50	70nt△			45mt		0	75	1	F0233	M357
53▼	93L11PC	1	18		MON	20%	70*	4	16	00	50	75nt△			58mt		0	75	1	F0232	M197a
54♦	93L21DC	1	18		MON	20%	70*	3	4	00	50	65nt△			45mt		0	75	2	F0149	M356
55♦	93L21DM	1	18		MON	20%	70*	3	4	00	50	65nt△			45mt		-55	125	2	F0149	M224c
56♦	93L21FM	1	18		MON	20%	70*	3	4	00	50	65nt△			45mt		-55	125	2	F0149	FP79b
57▼	93L21PC	1	18		MON	20%	70*	3	4	00	50	65nt△			45mt		0	75	2	F0149	M357
58	SN54L154AJ	1	18			20%	70*	4	18	00	50	150nt△			20mt		-55	125	1	F0139	M197
59	SN54L154AN	1	18			20%	70*	4	18	00	50	150nt△			20mt		-55	125	1	F0139	M197
60	SN74L154AN	1	18			20%	70*	4	18	00	50	150nt△			20mt		0	70	1	F0139	M306
61♦	93L01DC	1	18	50M	MON	20%	70*	4	10	00	50	70nt△			45mt	400m	0	75	1	F0233	M224c
62♦	93L11DC	1	18	50M	MON	20%	70*	4	16	00	50	75nt△			58mt	400m	0	75	1	F0232	M246
63♦	93L01DM	1	18	70M	MON	20%	70*	4	10	00	50	70nt△			45mt	400m	-55	125	1	F0233	M224c
64♦	93L01FM	1	18	70M	MON	20%	70*	4	10	00	50	70nt△			45mt	400m	-55	125	1	F0233	FP79b
65♦	93L11DM	1	18	70M	MON	20%	70*	1	16	00	50	75nt△			58mt	400m	-55	125	1	F0232	M246
66♦	93L11FM	1	18	70M	MON	20%	70*	4	16	00	50	75nt△			58mt	400m	-55	125	1	F0232	FP105
67♦	9321DC	1	18		MON	20%	80*	3	4	00	50	21nt△			250m%		0	75	2	F1714	M224c
68♦	9321DM	1	18		MON	20%	80*	3	4	00	50	21nt△			250m%		-55	125	2	F1714	M224c
69♦	9321FM	1	18		MON	20%	80*	3	4	00	50	21nt△			250m%		-55	125	2	F1714	FP79b
70▼	9321PC	1	18		MON	20%	80*	3	4	00	50	21nt△			250m%		0	75	2	F1714	M357
71#	FJH341	1	18			20%	80*	4	16	00	50	36nt△			170mt	400m*	0	70	1	F0245	M199a
72#	FLY141-74154	1	18		MON	20%	80*	6	16	00	50	36nt△			170mt	10 △	0	70	1	F0249	M186
73#	FLY145-84154	1	18		MON	20%	80*	6	16	00	50	36nt△			170mt	10 △	-25	85	1	F0249	M186
74#	FLY151-74155	1	18		MON	20%	80*	6	8	00	50	32nt△			200m§	10 △	0	70	1	F0131	M117w
75#	FLY155-84155	1	18		MON	20%	80*	6	8	00	50	32nt△			200m§	10 △	-25	85	1	F0131	M117w
76#	FLY161-74156	1	18		MON	20%	80*	6	8	00	50	34nt△			200m§	10 △	0	70	1	F0131	M117w
77#	FLY165-84156	1	18		MON	20%	80*	6	8	00	50	34nt△			200m§	10 △	-25	85	1	F0131	M117w
78#	M53354P	1	18†		MON	20%	80*	6	10	00	50				170mt		0	75	1	F0130	M186
79▼#	M53355P	1	18†		MON	20%	80*	6	70	00	50				125mt		0	75	1	F0131	M153b
80▼#	M53356P	1	18†		MON	20%	80*	6	10	00	50				125mt		0	75	1	F0131	M153b
81#	MIC54154J	1	18		MON	20%	80*	6	16	00	50	23nt			170mt	400m	-55	125	1	F0139	M197b
82#	MIC54155J	1	18		MON	20%	80*	6	8	00	50	16nt			125mt	400m	-55	125	1	F0131	M153a
83#	MIC54156J	1	18		MON	20%	80*	6	8	00	50	16nt			125mt	400m	-55	125	1	F0131	M153a
84#	MIC64154J	1	18		MON	20%	80*	6	16	00	50	23nt			170mt	400m	-40	85	1	F0139	M197b
85#	MIC64155J	1	18		MON	20%	80*	6	8	00	50	16nt			125mt	400m	-40	85	1	F0131	M153a
86#	MIC64156J	1	18		MON	20%	80*	6	8	00	50	16nt			125mt	400m	-40	85	1	F0131	M153a
87#	MIC74154J	1	18		MON	20%	80*	6	16	00	50	23nt			170mt	400m	0	75	1	F0139	M197b
88#	MIC74154N	1	18		MON	20%	80*	6	16	00	50	23nt			170mt	400m	0	75	1	F0139	M274
89#	MIC74155J	1	18		MON	20%	80*	6	8	00	50	16nt			125mt	400m	0	75	1	F0131	M153a
90#	MIC74155N	1	18		MON	20%	80*	6	8	00	50	16nt			125mt	400m	0	75	1	F0131	M117
91#	MIC74156J	1	18		MON	20%	80*	6	8	00	50	16nt			125mt	400m	0	75	1	F0131	M153a
92#	MIC74156N	1	18		MON	20%	80*	6	8	00	50	16nt			125mt	400m	0	75	1	F0131	M117
93#	SFC4155E	1	18		MON	20%	80*	6	10	00	50				125mt		0	70	1	F0131	M117
94#	SFC4155EM	1	18		MON	20%	80*	6	10	00	50				125mt		-55	125	1	F0131	M117
95#	SFC4155ET	1	18		MON	20%	80*	6	10	00	50				125mt		-25	85	1	F0131	M117
96#	SFC4156E	1	18		MON	20%	80*	6	10	00	50				125mt		0	70	1	F0131	M117
97#	SFC4156EM	1	18		MON	20%	80*	6	10	00	50				125mt		-55	125	1	F0131	M117
98#	SFC4156ET	1	18		MON	20%	80*	6	10	00	50				125mt		-25	85	1	F0131	M117
99▼	SN54LS155J	1	18		MON	20%	80*	6	10	00	50	30nt			30mt		-55	125	1	F0131	M153d
100▼	SN54LS155N	1	18		MON	20%	80*	6	10	00	50	30nt			30mt		-55	125	1	F0131	M117x
101▼	SN74LS155J	1	18		MON	20%	80*	6	10	00	50	30nt			30mt		0	70	1	F0131	M153d
102▼	SN74LS155N	1	18		MON	20%	80*	6	10	00	50	30nt			30mt		0	70	1	F0131	M117x

IN ORDER OF (1)FROM CODE(2)TO CODE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	DECODES 1 FROM	DECODES 2 TO	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	No. OF LINES IN	No. OF LINES OUT	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	TRANSITION TIME (s)	RISE TIME tr (s)	FALL TIME tf (s)	MAX. TOTAL POWER DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	SN54154N	1	18T		MON	2.0%	.80*	6	10	0 0	5 0				170mt		-55	125	1	F0130	M186
2♦	SN54155J	1	18		MON	2.0%	.80*	6	10	0 0	5 0	32nt			125mt		-55	125	1	F0131	M153d
3	SN54155N	1	18T		MON	2.0%	.80*	6	10	0 0	5 0				125mt		-55	125	1	F0131	M117
4♦	SN54155W	1	18		MON	2.0%	80*	6	10	0 0	5 0	32nt			125mt		-55	125	1	F0131	Δ004AG
5♦	SN54156J	1	18		MON	2.0%	80*	6	10	0.0	5 0	32nt			125mt		-55	125	1	F0131	M153d
6	SN54156N	1	18T		MON	2.0%	80*	6	10	0.0	5.0				125mt		-55	125	1	F0131	M117
7♦	SN54156W	1	18		MON	2.0%	.80*	6	10	0 0	5 0	32nt			125mt		-55	125	1	F0131	Δ004AG
8♦	SN74155J	1	18		MON	2.0%	80*	6	10	0.0	5 0	32nt			125mt		0	70	1	F0131	M153d
9♦	SN74155N	1	18		MON	2.0%	.80*	6	10	0.0	5 0	32nt			125mt		0	70	1	F0131	M117x
10♦	SN74156J	1	18		MON	2.0%	.80*	6	10	0 0	5.0	32nt			125mt		0	70	1	F0131	M153d
11♦	SN74156N	1	18		MON	2 0%	.80*	6	10	0.0	5.0	32nt			125mt		0	70	1	F0131	M117x
12	SW5485J	1	18T		MON	2.0%	80*	3	10	0.0	5.0				280mt		-55	125	1		M153
13	SW7485J	1	18T		MON	2 0%	.80*	3	10	0.0	5 0				280mt		0	70	1		M153
14	SW7485N	1	18		MON	2.0%	80*	11	3	0 0	5 0	35nΔ			280mt		0	70	1	K3217	M117
15	SW54154J	1	18T		MON	2.0%	80*	6	10	0 0	5.0				170mt		-55	125	1	F0130	M197
16	SW54155J	1	18T		MON	2.0%	.80*	6	8	0.0	5.5	32nΔ			192mt		-55	125	1	F0131	M153
17	SW54156J	1	18T		MON	2.0%	80*	6	8	0 0	5.5	34nΔ			192mt		-55	125	1	F0131	M153
18	SW74154J	1	18T		MON	2.0%	.80*	6	10	0 0	5 0				170mt		0	70	1	F0130	M197
19	SW74154N	1	18		MON	2 0%	.80*	6	16	0.0	5 0	36nΔ			294m%		0	70	1	F0130	M274
20	SW74155J	1	18T		MON	2 0%	80*	6	8	0.0	5 2	32nΔ			210mt		0	70	1	F0131	M153
21	SW74155N	1	18T		MON	2 0%	.80*	6	8	0.0	5.2	32nΔ			210mt		0	70	1	F0131	M153
22	SW74156J	1	18T		MON	2 0%	.80*	6	8	0 0	5 2	34nΔ			210mt		0	70	1	F0131	M153
23	SW74156N	1	18T		MON	2.0%	80*	6	8	0.0	5.2	34nΔ			210mt		0	70	1	F0131	M153
24#	TL74155N	1	18		MON	2 0%	.80*	7	8	0.0	5.0	34ntΔ			210mt		0	70	1	F0131	M117u
25#	TL74156N	1	18		MON	2.0%	80*	7	8	0.0	5 0	34ntΔ			210mt		0	70	1	F0131	M117u
26	US54154A	1	18		MON	2 0%	80*	4	16	0.0	5.0				170mt		-55	125	1	F0130	M186
27	US74154A	1	18		MON	2.0%	.80*	4	16	0.0	5 0				170mt		0	70	1	F0130	M186
28	3202	1	18			2.0%	.85*	8	6	0 0	5.0	40ntΔ			525m%		0	75	1	F0132	M207a
29	3205	1	18		MON	2.0%	.85*			0 0	5.0	18ntΔ			350m%		0	75	1	F0135	M146d
30	9315DC	1	18		MON	2.0%	.85*	4	10	0.0	5 0						0	70	1	F0233a	M153a
31	9315FC	1	18		MON	2.0%	.85*	4	10	0.0	5.0						0	70	1	F0233a	FP47b
32	MC4038P	1	18		MON	2 0%	.90*	3	8	0 0	5 0				240mt		0	75	1	F0122	M278
33	MC4306F	1	18		MON	2.4%	.40*†	3	8	0.0	5 0	14nt			100mt		-55	125	1	F0121	TO86
34	MC4306L	1	18		MON	2.4%	40*†	3	8	0.0	5 0	14nt			100mt		-55	125	1	F0121	TO116
35	MC4307L	1	18		MON	2.4%	.40*†	3	4	0 0	5 0	14nt			125mt		-55	125	2	F0128	M191
36	MC54406F	1	18		MON	2.4%	.40*†	4	8	0 0	5 0	14nt			100mt		-55	125	1	F0121	TO86
37	MC54406L	1	18		MON	2 4%	.40*†	4	8	0 0	5 0	14nt			100mt		-55	125	1	F0121	TO116
38	MC74406F	1	18		MON	2.4%	.40*†	4	8	0 0	5 0	14nt			100mt		0	75	1	F0121	TO86
39	MC74406L,P%	1	18		MON	2 4%	.40*†	4	8	0.0	5.0	14nt			100mt		0	75	1	F0121	TO116
40	MCE54H146F	1	18		MON	2.4%	40†*	4	10	0.0	5.0				130mt		-55	125	1	F0134	TO86
41	MCE74H146F	1	18		MON	2.4%	.40†*	4	10	0.0	5.0				130mt		0	70	1	F0134	TO86
42	MC4006F	1	18		MON	2.5%	.40*†	3	8	0.0	5.0	14nt			100mt		0	75	1	F0121	TO86
43	MC4006L,P%	1	18		MON	2 5%	40*†	3	8	0 0	5.0	14nt			100mt		0	75	1	F0121	TO116
44	MC4007L	1	18		MON	2.5%	40*†	3	10	0 0	5 0	29ntΔ			125mt		0	75	2	F0128	M191
45	MC4007P	1	18		MON	2.5%	.40*†	3	4	0 0	5.0	14nt			125mt		0	75	2	F0128	M278
46	MC4048P	1	18		MON	2.5%	.45*†	6	8	0 0	5.0				240mt		0	75	1	F0122	M278
47	MC7250L,P%	1	18		MON	2.8%	40*†	4	8	0 0	5 0				75mt		0	75	1	F0137	TO116
48	MC7251L	1	18		MON	2.8%	.40*†	4	10	0 0	5.0				80mt		0	75	1	F0138	M191
49	MC7251P	1	18		MON	2.8%	40*†	4	10	0 0	5.0				80mt		0	75	1	F0138	M278
50	MC8250L	1	18		MON	2.8%	.40*†	4	8	0 0	5 0				75mt		0	75	1	F0137	TO116
51	MC8251L	1	18		MON	2.8%	40*†	4	8	0.0	5.0				80mt		0	75	1	F0138	M191
52	MBD1	1	18	5.0M	PCB	5.0	0 0	4	8	0	5	25n%			260m	1.0	0	70	8		CB53
53	MBD1☑	1	18	5 0M	PCB	5 0	0 0	4	8	0.0	5.0	25n%			260m	1.0	0	70	8		CB53
54♦	MC14514AL	1	18		MOS	9 99%	.01*†	6	16	0.0	10	300nt	120nt	180nt	200mt		-55	125	1	F0146	M292
55♦	MC14514CL	1	18		MOS	9 99%	.01*†	6	16	0.0	10	300nt	120nt	180nt	200mt		-40	85	1	F0146	M292
56♦	MC14515AL	1	18		MOS	9.99%	01*†	6	16	0 0	10	300nt	120nt	180nt	200mt		-55	125	1	F0146a	M292
57♦	MC14515CL	1	18		MOS	9.99%	01*†	6	16	0.0	10	300nt	120nt	180nt	200mt		-40	85	1	F0146a	M292
58▼	CD4514BD	1	18		MOS	10	0.0†	6	16	0 0	10	60n			200m	4 5 Δ	-55	125	1	F0146	Δ015AG
59▼	CD4515BD	1	18		MOS	10	0 0†	6	16	0 0	10	60n			200m	4 5 Δ	-55	125	1	F0146a	Δ015AG
60	D4410	1	18	3.0M		13	1 5	8	16	1 0	18		20n	20n		5.0	0	50			
61	MC1043F	1	18		ECT	-85%	-1.5*†	3	25	5.2	0.0	6.0n	4.5n	6.5n	210m		0	75	1	F0126	TO85
62	MC1243L	1	18		ECT	-85%	-1 5*†	3	25	5 2	0.0	6 0n	4.5n	6 5n	210m		-55	125	1	F0126	TO116
63	MC4040P	1	19		MON	2.0%	.90*	4	8	0 0	5.0	45n			200mt		0	75	1	F0122a	M278
64	SW5442J	2			MON	2.0%	80*	4	10	0 0	5.5	30n%			140m	1 0	-55	125	1	F0229a	M153b
65	SW7442J	2			MON	2.0%	80*	4	10	0.0	5 2	30n%			140m	1.0	0	70	1	F0229a	M153b
66	SW7442N	2			MON	2 0%	.80*	4	10	0.0	5.2	30n%			140m	1.0	0	70	1	F0229a	M117
67	D4040	2		5 0M	PCB	2.0%	.95*	4	7	0	5		50nt	15nt	300m	1 0 Δ	0	75			CB☑
68▼	5548	2	1		PCB	2.0%	.80*	7	7	0 0	5.0	40ntΔ			930mt		0	70	3		CB62
69#	FLH561-74184																				
		2	1		MON	2 0%	80*	5	5	0 0	5.0	40nt			240mt	1.0 Δ	0	70	1	F0275	M117w
70#	FLH565-84184																				
		2	1		MON	2 0%	80*	5	5	0.0	5.0	40nt			240mt	1 0 Δ	-25	85	1	F0275	M117w
71	MBD1Δ	2	1	5 0M	PCB	2 0%	95*	1	7		5				521m	1 0 Δ	0	70			CB37c
72	MC4001L#1	2	1			2 5*	.45*†	6		0 0	5.0	45n			300mt		0	75	1	F0236	M191
73	MC4001P#1	2	1			2 5*	.45*†	6		0.0	5.0	45n			300mt		0	75	1	F0236	M278
74	HEPC2501P-RT																				
		2	4		MON				7	0 0	3 6	36n			100m						M154
75	MC770P	2	4		MON			4	10	0.0	3.6	35n	40n	40n	100mt		15	55	1	F0234	M278
76	MC870P	2	4		MON			4	10	0 0	3.6	35n	40n	40n	100mt		0	75	1	F0234	M278
77	380CJ	2	4	1.0M	MON		.50†	4	10	0.0	12		250n	200n	400m	5 0 Δ	-35	80	1	F0247	M172
78#	MIC380-1D	2	4*		MON		1.2Δ†	4	10	0.0	12						-55	125	1	F0247	M200d
79#	MIC380-1D1	2	4*		MON		1 2Δ†	4	10	0 0	15						-55	125	1	F0247	M200d
80#	MIC380-5D	2	4*		MON		1.2Δ†	4	10	0 0	12						-30	85	1	F0247	M200d
81#	MIC380-5D1	2	4*		MON		1.2Δ†	4	10	0.0	15						-30	70	1	F0247	M200d
82#	MIC381-1D	2	4*		MON		1.2Δ†	4	10	0 0	12						-55	125	1	F0247	M200d
83#	MIC381-1D1	2	4*		MON		1.2Δ†	4	10	0 0	15						-55	125	1	F0247	M200d
84#	MIC381-5D	2	4*		MON		1.2Δ†	4	10	0 0	12						-30	85	1	F0247	M200d
85#	MIC381-5D1	2	4*		MON		1.2Δ†	4	10	0 0	15						-30	70	1	F0247	M200d
86	MC676L	2	4		MON		1 5*†	4	10	0 0	15	500n	20nt	20nt	380mt		-30	75	1	F0255	M191
87	MC676P	2	4		MON		1 5*†	4	10	0 0	15	500n	20nt	20nt	380mt		-30	75	1	F0255	M278
88	HEPC3041P-RT																				
		2	4		MON		2 5*†	4		0 0	5 0				105mt		0	70	1	F0229	M154
89	MC5441AL	2	4		MON		2 5*†	4		0.0	5.0						-55	125	1	F0237	M191
90	MC7441AL	2	4		MON		2 5*†	4		0 0	5 0						0	70	1	F0237	M191
91	MC7441AP	2	4		MON		2 5*†	4		0 0	5 0						0	70	1	F0237	M278
92#	MIC382-1D	2	4Δ		MON		2.5Δ†	4	10	0.0	12						-55	125	1	F0247	M200d
93#	MIC382-1D1	2	4Δ		MON		2.5Δ†	4	10	0 0	15						-55	125	1	F0247	M200d
94#	MIC382-5D	2	4Δ		MON		2.5Δ†	4	10	0 0	12						-30	85	1	F0247	M200d
95#	MIC382-5D1	2	4Δ		MON		2 5Δ†	4	10	0 0	15						-30	70	1	F0247	M200d
96	DM54L42AF	2	4			2 0%	.70*	4	10	0 0	5.0	140ntΔ			15mt		-55	125	1	F211	FP88
97	DM54L42AJ	2	4			2 0%	70*	4	10	0 0	5.0	140ntΔ			15mt		-55	125	1	F211	M200e
98	DM54L42AN	2	4			2 0%	70*	4	10	0.0	5.0	140ntΔ			15mt		-55	125	1	F211	M117t
99	DM74L42AF	2	4			2 0%	70*	4	10	0 0	5 0	140ntΔ			15mt		0	70	1	F211	FP88
100	DM74L42AJ	2	4			2.0%	70*	4	10	0 0	5 0	140ntΔ			15mt		0	70	1	F211	M200e
101	DM74L42AN	2	4			2 0%	70*	4	10	0.0	5 0	140ntΔ			15mt		0	70	1	F211	M117t
102	5553	2	4		PCB	2 0%	80*	4	10	0.0	5 0	50ntΔ			750mt		0	70	3	F0259	CB62
103	5553A	2	4		PCB	2 0%	80*	4	10	0 0	5 0	50ntΔ			750mt		0	70	3	F0259	CB62
104	9352DC	2	4		MON	2 0%	80*	4	10	0.0	5 0	35ntΔ			280m§		0	70	1	F179	M200j
105	9352DM	2	4		MON	2 0%	80*	4	10	0.0	5.0	35ntΔ			280m§		-55	125	1	F179	M200j
106	9352FC	2	4		MON	2 0%	80*	4	10	0 0	5.0	35ntΔ			280m§		0	70	1	F179	FP47b

7. DECODERS

IN ORDER OF (1)FROM CODE(2)TO CODE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	DECODES 1 FROM	DECODES 2 TO	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	No. OF LINES IN	No. OF LINES OUT	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	TRANSITION TIME (s)	RISE TIME tr (s)	FALL TIME tf (s)	MAX. TOTAL POWER DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	9352FM	2	4		MON	2 0%	80*	4	10	0 0	5 0	35nt△			280m§		-55	125	1	F179	FP47b
2	93141DC	2	4		MON	2.0%	.80*	4		0.0	5.0				55mt		0	70	1	F0229	M267
3	DM8301J	2	4			2.0%	.80*	4	10	0.0	5 0	30nt△			125mt		0	70	1	F211a	M200e
4	DM8301N	2	4			2.0%	.80*	4	10	0.0	5.0	30nt△			125mt		0	70	1	F211a	M117t
5	DM9301J	2	4			2.0%	80*	4	10	0.0	5 0	30nt△			125mt		-55	125	1	F211a	M200e
6#	FJB9330	2	4		MON	2 0%	.80*	4	10	0 0	5.0				115mt		0	70	1	F0253	M210a
7#	FJB9352	2	4		MON	2 0%	80*	4	10	0.0	5 0	35nt△			280m%		0	70	1	F0243	M210a
8#	FJH261	2	4		MON	2 0%	.80*	4	10	0 0	5 0				140mt	400m	0	70	1	F0243	M146e
9#	FJH261-7442	2	4		MON	2.0%	.80*	4	10	0.0	5.0	20n%			140mt		0	70	1	F179	M117q
10#	FJL151	2	4		MON	2 0%	.80*	4	10	0 0	5 0				115mt	400m*	0	70	1	F0274	M117v
11#	FLH281-7442	2	4		MON	2.0%	80*	4	10	0 0	5 0	35nt△			280m§	1.0 △	0	70	1	F0229a	M117w
12#	FLH285-8442	2	4		MON	2.0%	.80*	4	10	0 0	5.0	35nt△			280m§	1.0 △	-25	85	1	F0229a	M117w
13#	FLL101-74141	2	4		MON	2.0%	80*	4	10	0.0	5 0				125m§		0	70	1	F0253	M117w
14#	FLL111-7445	2	4		MON	2.0%	80*	4	10	0.0	5 0	50nt△			350m§	1.0 △	0	70	1	F179	M117w
15#	FLL115-8445	2	4		MON	2 0%	80*	4	10	0.0	5.0	50nt△			350m§	1.0 △	-25	85	1	F179	M117w
16#	M5362P	2	4		MON	2.0%	80*	4	100	0 0	7 0	30n%			138mt	1.0 △	0	75	1	F0229a	M153b
17▼	JANM38510/01001BEA	2	4		MON	2 0%	80*	4	10	0 0	5 5	46nt△			226m		-55	125	1	F0243	M323
18	JANM38510/01001BEB	2	4		MON	2.0%	80*	4	10	0 0	5 5	46nt△			226m		-55	125	1	F0243	M323
19	JANM38510/01001BEC	2	4		MON	2 0%	.80*	4	10	0.0	5 5	46nt△			226m		-55	125	1	F0243	M323
20	JANM38510/01001BFB	2	4		MON	2 0%	80*	4	10	0 0	5 5	46nt△			226m		-55	125	1	F0243	FP93
21	JANM38510/01001BFC	2	4		MON	2.0%	80*	4	10	0 0	5 5	46nt△			226m		-55	125	1	F0243	FP93
22▼	JANM38510/01001CEA	2	4		MON	2 0%	80*	4	10	0 0	5 5	46nt△			226m		-55	125	1	F0243	M323
23	JANM38510/01001CEB	2	4		MON	2 0%	.80*	4	10	0 0	5 5	46nt△			226m		-55	125	1	F0243	M323
24	JANM38510/01001CEC	2	4		MON	2 0%	80*	4	10	0.0	5.5	46nt△			226m		-55	125	1	F0243	M323
25	JANM38510/01001CFB	2	4		MON	2.0%	80*	4	10	0 0	5 5	46nt△			226m		-55	125	1	F0243	FP93
26	JANM38510/01001CFC	2	4		MON	2.0%	80*	4	10	0.0	5.5	46nt△			226m		-55	125	1	F0243	FP93
27▼	JANM38510/01004BEA	2	4		MON	2.0%	80*	4	10	0.0	5.5	73nt△			341m		-55	125	1	F0243	M323
28	JANM38510/01004BEB	2	4		MON	2.0%	80*	4	10	0 0	5 5	73nt△			341m		-55	125	1	F0243	M323
29	JANM38510/01004BEC	2	4		MON	2.0%	80*	4	10	0 0	5 5	73nt△			341m		-55	125	1	F0243	M323
30▼	JANM38510/01004BFB	2	4		MON	2.0%	.80*	4	10	0.0	5.5	73nt△			341m		-55	125	1	F0243	FP93
31▼	JANM38510/01004CEA	2	4		MON	2 0%	80*	4	10	0 0	5 5	73nt△			341m		-55	125	1	F0243	M323
32	JANM38510/01004CEB	2	4		MON	2.0%	.80*	4	10	0.0	5.5	73nt△			341m		-55	125	1	F0243	M323
33	JANM38510/01004CEC	2	4		MON	2 0%	80*	4	10	0 0	5 5	73nt△			341m		-55	125	1	F0243	M323
34	JANM38510/01004CFB	2	4		MON	2 0%	80*	4	10	0 0	5.5	73nt△			341m		-55	125	1	F0243	FP93
35	JANM38510/01004CFC	2	4		MON	2 0%	80*	4	10	0.0	5 5	73nt△			341m		-55	125	1	F0243	FP93
36▼	JANM38510/01005BEA	2	4		MON	2.0%	.80*	4	10	0 0	5.5	73nt△			341m		-55	125	1	F0243	M323
37	JANM38510/01005BEB	2	4		MON	2 0%	80*	4	10	0.0	5.5	73nt△			341m		-55	125	1	F0243	M323
38	JANM38510/01005BEC	2	4		MON	2 0%	80*	4	10	0.0	5 5	73nt△			341m		-55	125	1	F0243	M323
39▼	JANM38510/01005BFB	2	4		MON	2.0%	80*	4	10	0.0	5.5	73nt△			341m		-55	125	1	F0243	FP93
40▼	JANM38510/01005CEA	2	4		MON	2 0%	80*	4	10	0.0	5.5	73nt△			341m		-55	125	1	F0243	M323
41	JANM38510/01005CEB	2	4		MON	2 0%	.80*	4	10	0 0	5 5	73nt△			341m		-55	125	1	F0243	M323
42	JANM38510/01005CEC	2	4		MON	2.0%	.80*	4	10	0.0	5.5	73nt△			341m		-55	125	1	F0243	M323
43▼	JANM38510/01005CFB	2	4		MON	2.0%	.80*	4	10	0.0	5 5	73nt△			341m		-55	125	1	F0243	FP93
44▼	JANM38510/02901BEB	2	4		MON	2 0%	80*	4	10	0.0	5.5	85nt△			121m		-55	125	1	F0243	M323
45▼	JANM38510/02901CEB	2	4		MON	2.0%	.80*	4	10	0.0	5.5	85nt△			121m		-55	125	1	F0243	M323
46#	M53241P	2	4		MON	2.0%	.80*	4	10	0 0	7 0				105mt	1.0 △	0	75	1	F0229	M153b
47#	M53242P	2	4		MON	2 0%	80*	4	10	0 0	7.0	30n%			140mt	1.0 △	0	75	1	F179	M153b
48#	MIC5441AJ	2	4		MON	2.0%	.80*	4	10	0 0	5.0				140mt	400m	-55	125	1	F0229	M153a
49#	MIC5442J	2	4		MON	2.0%	.80*	4	10	0.0	5.0	25nt			140mt	400m	-55	125	1	F0233c	M153a
50#	MIC5445J	2	4		MON	2 0%	80*	4	10	0.0	5 0	35nt			215mt	400m	-55	125	1	F0233c	M153a
51#	MIC6441AJ	2	4		MON	2.0%	.80*	4	10	0 0	5.0				140mt	400m	-40	85	1	F0229	M153a
52#	MIC6442J	2	4		MON	2.0%	.80*	4	10	0 0	5 0	25nt			140mt	400m	-40	85	1	F0233c	M153a
53#	MIC6445J	2	4		MON	2.0%	.80*	4	10	0.0	5.0	35nt			215mt	400m	-40	85	1	F0233c	M153a
54#	MIC7441AJ	2	4		MON	2.0%	.80*	4	10	0.0	5.0				140mt	400m	0	75	1	F0229	M153a
55#	MIC7441AN	2	4		MON	2 0%	80*	4	10	0 0	5 0				140mt	400m	0	75	1	F0229	M117
56#	MIC7442J	2	4		MON	2 0%	80*	4	10	0.0	5.0	25nt			140mt	400m	0	75	1	F0233c	M153a
57#	MIC7442N	2	4		MON	2 0%	80*	4	10	0 0	5.0	25nt			140mt	400m	0	75	1	F0233c	M117
58#	MIC7445J	2	4		MON	2.0%	.80*	4	10	0 0	5.0	35nt			215mt	400m	0	75	1	F0233c	M153a
59#	MIC7445N	2	4		MON	2.0%	80*	4	10	0.0	5 0	35nt			215mt	400m	0	75	1	F0233c	M117
60#	MIC54145J	2	4		MON	2 0%	.80*	4	10	0.0	5 0	35nt			215mt	400m	-55	125	1	F0233c	M153a
61#	MIC64141J	2	4△		MON	2 0%	80*	4	10	0.0	5 0				221mt		-40	85	1	F0229	M153a
62#	MIC64145J	2	4		MON	2 0%	.80*	4	10	0 0	5 0	35nt			215mt	400m	-40	85	1	F0233c	M153a
63#	MIC74141J	2	4△		MON	2.0%	80*	4	10	0.0	5.0				221mt		0	75	1	F0229	M153a
64#	MIC74141N	2	4△		MON	2 0%	.80*	4	10	0 0	5 0				221mt		0	75	1	F0229	M117
65#	MIC74145J	2	4		MON	2 0%	.80*	4	10	0 0	5 0	35nt			215mt	400m	0	75	1	F0233c	M153a
66#	MIC74145N	2	4		MON	2 0%	.80*	4	10	0.0	5 0	35nt			215mt	400m	0	75	1	F0233c	M117
67	N7441B	2	4			2 0%	.80*	4	10	0 0	5.0				75m%		0	70	1	F0119a	M117h
68	N7442B	2	4		MON	2 0%	80*	4	10	0.0	5.0	35nt					0	70	1	F0243	M256
69	N7445B	2	4		MON	2 0†	.80*	4		0 0	5.0	60nt△					0	70	1	F0243	M256
70	N7445R	2	4		MON	2 0†	80*	4		0.0	5 0	60nt△					0	70	1	F0243	FP79a
71	N8251E	2	4		MON	2 0	.80	4	10	0 0	5.0	35nt			135m		0	75	1	F0125a	M153a
72	N8251R	2	4		MON	2.0	.80	4	10	0.0	5.0	35nt			135m		0	75	1	F0125a	FP79a
73	N8252B	2	4		MON	2 0	80	4	10	0 0	5 0	35nt△					0	75	1	F0125a	M256
74	N8252E	2	4		MON	2.0	80	4	10	0 0	5 0	35nt					0	75	1	F0125a	M153a
75	N8252R	2	4		MON	2.0	80	4	10	0.0	5 0	35nt					0	75	1	F0125a	FP79a
76	N74141B	2	4		MON	2 0%	80*	4		0 0	5 0						0	70	1	F0257	M256
77	N74145B	2	4		MON	2.0†	80*	4		0.0	5.0	60nt△					0	70	1	F0243	M256
78	N74145R	2	4		MON	2 0†	.80*	4		0 0	5 0	60nt△					0	70	1	F0243	FP79a
79	NC7441AN	2	4		MON	2.0%	80*	4	10	0.0	5 0					1 0 △	0	70	1	F0229	TO116
80	NC7442N	2	4		MON	2.0%	80*	4	10	0.0	7 0	30n%			140mt	1.0 △	0	70	1	F0229a	TO116

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

7. DECODERS

IN ORDER OF (1)FROM CODE(2)TO CODE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	DECODES 1 FROM	DECODES 2 TO	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	No. OF LINES IN	No. OF LINES OUT	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	TRANSITION TIME (s)	RISE TIME tr (s)	FALL TIME tf (s)	MAX TOTAL POWER DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	S5442B	2	4		MON	20%	80*	4	10	00	50	35nt					-55	125	1	F0243	M256
2	S5442E	2	4		MON	20%	.80*	4	10	00	50	35nt					-55	125	1	F0243	M153a
3	S5442R	2	4		MON	20%	80*	4	10	00	50	35nt					-55	125	1	F0243	FP79a
4	S5445E	2	4		MON	20†	80*	4		00	50	60nt△					-55	125	1	F0243	M153a
5	S5445R	2	4		MON	20†	80*	4		00	50	60nt△					-55	125	1	F0243	FP79a
6	S8251E	2	4		MON	20	80	4	10	00	50	35nt			135m		-55	125	1	F0125a	M153a
7	S8251R	2	4		MON	20	80	4	10	00	50	35nt			135m		-55	125	1	F0125a	FP79a
8	S8252B	2	4		MON	20	80	4	10	00	50	35nt△					-55	125	1	F0125a	M256
9	S8252E	2	4		MON	20	.80	4	10	00	50	35nt					-55	125	1	F0125a	M153a
10	S8252R	2	4		MON	20	80	4	10	00	50	35nt					-55	125	1	F0125a	FP79a
11	S54145E	2	4		MON	20†	80*	4		00	50	60nt△					-55	125	1	F0243	M153a
12	S54145R	2	4		MON	20†	80*	4		00	50	60nt△					-55	125	1	F0243	FP79a
13#	SFC442E	2	4		MON	20%	80*	4	10	00	50	35n△			140mt		0	70	1	F0229a	M117
14#	SFC442EM	2	4		MON	20%	80*	4	10	00	50	35n△			140mt		-55	125	1	F0229a	M117
15#	SFC442ET	2	4		MON	20%	80*	4	10	0.0	5.0	35n△			140mt		-25	85	1	F0229a	M117
16#	SFC4141E	2	4		MON	20%	80*	4	10	00	50				80mt		0	70	1	F0229	M117
17♦	SN54L42J	2	4		MON	20%	80*	4	10	00	50	70nt			70mt	10 △	-55	125	1	F0243	M153d
18♦	SN54L42N	2	4		MON	20%	.80*	4	10	00	50	70nt			70mt	10 △	-55	125	1	F0243	M117x
19♦	SN74L42J	2	4		MON	20%	80*	4	10	00	50	70nt			70mt	10 △	0	70	1	F0243	M153d
20♦	SN74L42N	2	4		MON	20%	80*	4	10	00	50	70nt			70mt	10 △	0	70	1	F0243	M117x
21	SN5441AJ	2	4		MON	20%	80*	4	10	0	50						-55	125	1		M146
22▼	SN5442AJ	2	4		MON	20%	80*	4	10	00	50	30nt			140mt	10 △	-55	125	1	F0243	M153d
23▼	SN5442AW	2	4		MON	20%	80*	4	10	00	50	30nt			140mt	10 △	-55	125	1	F0243	△004AG
24	SN5442J	2	4			20%	80*	4	10	0.0	50	30n△			308m%		-55	125	1	F179	M146
25	SN5442N	2	4		MON	20%	80*	4	100	0	7	30n%			140mt	10 △	-55	125	1	F0229a	M117
26	SN5442W	2	4		MON	20%	80*	4	10	00	70	30n%			140mt	10 △	-55	125	1	F0229a	TO84
27♦	SN5445J	2	4		MON	20%	80*	4	10	00	50	50n△			215mt	10 △	-55	125	1	F179	M153d
28	SN5445N	2	4		MON	20%	80*	4	10	00	50	50n△			215mt	10 △	-55	125	1	F179	M117
29♦	SN5445W	2	4		MON	20%	80*	4	10	00	50	50n△			215mt	10 △	-55	125	1	F179	△004AG
30#	SN6442N	2	4		MON	20%	80*	4	10	00	70					10	-40	85	1	F0229	M117
31	SN7441AN	2	4		MON	20%	80*	4	10	00	50					10 △	0	70	1	F0229	M117
32▼	SN7442AJ	2	4		MON	20%	80*	4	10	00	50	30nt			140mt	10 △	0	70	1	F0243	M153d
33▼	SN7442AN	2	4		MON	20%	80*	4	10	00	50	30nt			140mt	10 △	0	70	1	F0243	△004AG
34	SN7442J	2	4		MON	20%	80*	4	10	00	50	35n△			140mt		0	70	1	F0229	M153
35	SN7442N	2	4			20%	80*	4	10	00	50	30n△			294m%		0	70	1	F179	M117e
36♦	SN7445J	2	4		MON	20%	80*	4	10	00	50	50n△			215mt	10 △	0	70	1	F179	M153d
37♦	SN7445N	2	4		MON	20%	80*	4	10	00	50	50n△			215mt	10 △	0	70	1	F179	M117x
38▼	SN29301J	2	4		MON	20%	80*	4		00	50	30nt			145m%		0	75	1	F0280	M153d
39▼	SN29301N	2	4		MON	20%	80*	4		00	50	30nt			145m%		0	75	1	F0280	M117x
40▼	SN39301J	2	4		MON	20%	80*	4		00	50	30nt			145m%		-55	125	1	F0280	M153d
41♦	SN54145J	2	4		MON	20%	80*	4	10	00	50	50n△			215mt	10 △	-55	125	1	F179	M153d
42♦	SN54145W	2	4		MON	20%	80*	4	10	00	50	50n△			215mt	10 △	-55	125	1	F179	M117x
43♦	SN74141J	2	4		MON	20%	80*	4		00	50				55mt		0	70	1	F0229	M153d
44♦	SN74141N	2	4		MON	20%	80*	6	10	00	50				55mt		0	70	1	F0229	M117x
45♦	SN74145J	2	4		MON	20%	80*	4	10	00	50	50n△			215mt	10 △	0	70	1	F179	M153d
46♦	SN74145N	2	4		MON	20%	80*	4	10	00	50	50n△			215mt	10 △	0	70	1	F179	△004AG
47	SW5441AJ	2	4△		MON	2.0%	80*	4	10	00	50						-55	125	1	F0229	M200
48	SW5445J	2	4		MON	2.0%	80*	4	10	00	50	50n△			215mt	10 △	-55	125	1	F179	M153
49	SW7441AJ	2	4△		MON	20%	80*	4	10	00	50				221m		0	70	1	F0229	M200
50	SW7441AN	2	4△		MON	20%	80*	4	10	00	50				221m		0	70	1	F0229	M117
51	SW7445J	2	4		MON	2.0%	80*	4	10	00	50	50n△			215mt	10 △	0	70	1	F179	M153
52	SW7445N	2	4		MON	20%	80*	4	10	00	50	50n△			215mt	1.0 △	0	70	1	F179	M117
53	SW54141J	2	4		MON	20%	80*	4		00	50				55mt		-55	125	1	F0229	M117
54	SW54145J	2	4		MON	2.0%	80*	4	10	00	50	50n△			215mt	10 △	-55	125	1	F179	M153
55	SW74141J	2	4		MON	20%	80*	4		00	50				55mt		0	70	1	F0229	M117
56	SW74141N	2	4		MON	20%	80*	4	10	00	52				84mt		0	70	1	F0258	M117
57	SW74145J	2	4		MON	2.0%	.80*	4	10	00	50	50n△			215mt	10 △	0	70	1	F179	M153
58	SW74145N	2	4		MON	2.0%	80*	4	10	00	50	50n△			215mt	1.0 △	0	70	1	F179	M117
59#	T7441AB1	2	4		MON	2.0%	80*	4	10	00	50				210m%	10 △	0	70	1		M267
60#	T7442B1	2	4			20%	80	4	10	00	50	30n△			294m%		0	70	1	F179	M117e
61#	TL7442N	2	4		MON	20%	.80*	4	10	00	50	35nt△			294mt		0	70	1	F0229a	M117u
62#	TL7445N	2	4		MON	20%	80*	4	10	00	50	50nt△			367mt		0	70	1	F0229a	M117u
63#	TL8442N	2	4		MON	2.0%	80*	4	10	00	50	35nt△			294mt		-25	85	1	F0229a	M117u
64#	TL74141N	2	4		MON	20%	80*	4		00	50				131mt		0	70	1	F0229	M117u
65#	TL74145N	2	4		MON	2.0%	.80*	4	10	00	50	50nt△			367mt		0	70	1	F0229a	M117u
66#	TL84145N	2	4		MON	20%	80*	4	10	00	50	50nt△			367mt		-25	85	1	F0229a	M117u
67	US5441A	2	4		MON	2.0%	80*	4	10	00	70					1.0	-55	125	1	F0229	M117g
68	US5442A	2	4		MON	2.0%	80*	4	10	00	50	35n△			140mt	10 △	-55	125	1	F0229a	M117g
69	US5445A	2	4		MON	2.0%	80*	4	10	00	5.0	50n△			215mt	10 △	-55	125	1	F0229a	M117g
70	US7441A	2	4		MON	20%	.80*	4	10	00	5.0				105mt		0	70	1	F0229	M117g
71	US7442A	2	4		MON	2.0%	80*	4	10	00	50	35n△			140mt	10 △	0	70	1	F0229a	M117g
72	US7445A	2	4		MON	2.0%	80*	4	10	00	50	50n△			215mt	1.0 △	0	70	1	F0229a	M117g
73	US54145A	2	4		MON	20%	.80*	4	10	00	5.0	50n△			215mt	1.0 △	-55	125	1	F0229a	M117g
74	US74145A	2	4		MON	2.0%	80*	4	10	00	50	50n△			215mt	10 △	0	70	1	F0229a	M117g
75	5583	2	4	20M△%	PCB	20%	.80*	4	10	0.0	50	35nt△			420mt		0	70	3	F0262	CB62
76	D4026	2	4	5.0M	PCB	2.0%	95*	4	16	0	5	120n%	50nt	15nt	300mt	10 △	0	75	1		CB☑
77	D4046	2	4	5.0M	PCB	20%	95*	5	120	0	5	80n%	50nt	15nt	950mt	10 △	0	75			CB☑
78	MC5442L	2	4		MON	2.4%	40*†	4	10	00	50				140mt	10	-55	125	1	F0243	M191
79	MC7442L	2	4		MON	2.4%	.40*†	4	10	00	50				140mt	10	0	70	1	F0243	M191
80	MC7442P	2	4		MON	2.4%	.40*†	4	10	0.0	50				140mt	10	0	70	1	F0243	M278
81	MC8301F	2	4		MON	2.4%	.40*†	4	10	0.0	5.0	22nt			125mt		0	75	1	F0246	FP85
82	MC8301L	2	4		MON	2.4%	40*†	4	10	00	50	22nt			125mt		0	75	1	F0246	M191
83	MC8301P	2	4		MON	2.4%	40*†	4	10	0.0	50	22nt			125mt		0	75	1	F0246	M278
84	MC8352L	2	4		MON	2.4%	.40*†	4	10	0.0	5.0	10nt			140mt		0	75	1	F0243	M191
85	MC8352P	2	4		MON	2.4%	40*†	4	10	00	50	10nt			140mt		0	75	1	F0243	M278
86	MC9301F	2	4		MON	2.4%	40*†	4	10	00	50	22nt			125mt		-55	125	1	F0246	FP85
87	MC9301L	2	4		MON	2.4%	40*†	4	10	0.0	5.0	22nt			125mt		-55	125	1	F0246	M191
88	MC9352L	2	4		MON	2.4%	40*†	4	10	00	50	10nt			140mt		-55	125	1	F0243	M191
89	M161	2	4	8.0M	PCB	24	40	7	20	0	5		15n	15n	400m	10	0	70	1		
90	N8251B	2	4		MON	2.6%	40†	4	8	00	5.0		5.0n	5.0n	135m		0	75	1	F0125a	M117h
91	S8251B	2	4		MON	2.6%	40†	4	8	00	50		5.0n	5.0n	135m		-55	125	1	F0125a	M117h
92#	ZN7441AE	2	4		MON	3.5	.20		10	0.0	50				10m		0	70	1		M126
93	N7442R	2	4		MON	3.9%	30*†	6		00	50	35nt					0	70	1	F0243	FP79a
94	MC14028AL#1	2	4		MOS	4.99%	01*†	4	10	00	10	480n△	175n	200n	100u		-55	125	1	F0272	M191
95	MC14028CL#1	2	4		MOS	4.99%	01*†	4	10	00	10	480n△	175n	200n	10m		-40	85	1	F0272	M191
96	MC14028CP#1	2	4		MOS	4.99%	01*†	4	10	00	10	480n△	175n	200n	10m		-40	85	1	F0272	M278
97	K671	2	4	100k	PCB	50	00	4	10	0	5				65m	16	-20	65	1		
98	MDD1	2	4	2.0M	PCB	5.0	00	8	8	0	5	25n%			230n	10	0	70	1	F0231	
99	I210	2	4	5.0M	PCB	50	00	8	10	48	52	35n	50n	25n	240mt	1.0	0	70	1		CB☑
100	I402	2	4	5.0M	PCB	50	0.0	8	10	4.8	52	35n	50n	25n	100m	10	0	70	2		CB☑
101	I418	2	4	5.0M	PCB	50	00	4	12		5.0	50n			10 %	10			3	F176a	CB☑
102	553	2	4	5.0M	PCB	50	45	8		0	5						0	70	1		CB55
103	553A	2	4	5.0M	PCB	50	.45			0	5						0	70	1		CB55
104	380AJ	2	4		MON	65*	5.0%	4		00	15				570mt	32	-30	70	1	F0247	M319
105	380AL	2	4		MON	65*	50%	4		00	15				570mt	32	-30	70	1	F0247	M200j
106	380BL	2	4		MON	65*	50%	4		00	12				360mt	35	-55	125	1	F0247	M200j
107	380CL	2	4		MON	65*	5.0%	4		00	12				360mt	35	-30	85	1	F0247	M200j
108	380ML	2	4		MON	65*	5.0%	4		00	15				570mt	3.2	-55	125	1	F0247	M200j
109	381AJ	2	4		MON	65*	50%	4		00	15				570mt	32	-30	70	1	F0247	M319
110	381AL	2	4		MON	65*	50%	4		00	15				570mt	32	-30	70	1	F0247	M200j

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

7. DECODERS

IN ORDER OF (1)FROM CODE(2)TO CODE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No	6 TYPE No	DECODES 1 FROM	DECODES 2 TO	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	No. OF LINES IN	No. OF LINES OUT	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	TRANSITION TIME	RISE TIME tr (s)	FALL TIME tf (s)	MAX. TOTAL POWER DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	381BL	2	4		MON	65*	50%	4		00	12				360mt	35	-55	125	1	F0247	M200j
2	381CJ	2	4		MON	65*	50%	4		00	12				360mt	35	-30	85	1	F0247	M319
3	381CL	2	4		MON	65*	50%	4		00	15				570mt	32	-30	85	1	F0247	M200j
4	381ML	2	4		MON	65*	50%	4		00	15				570mt	32	-55	125	1	F0247	M200j
5	382AJ	2	4		MON	65%	50%	4		00	15				465mt	32	-30	70	1	F0247	M319
6	382AL	2	4		MON	65%	50%	4		00	15				465mt	32	-30	70	1	F0247	M200j
7	382BL	2	4		MON	65%	50%	4		00	12				288mt	35	-55	125	1	F0247	M200j
8	382CJ	2	4		MON	65%	50%	4		00	12				288mt	35	-30	85	1	F0247	M319
9	382CL	2	4		MON	65%	50%	4		00	12				288mt	35	-30	85	1	F0247	M200j
10	382ML	2	4		MON	65%	50%	4		00	15				465mt	32	-55	125	1	0247	M200j
11#	FZL101	2	4	500k%	MON	80%	50*	4	10	00	15				460m	50 Δ	0	70	1	F0229a	
12#	H158D1	2	4		MON	80%	60*	4	10	00	20				600m%	5.0 Δ	0	75	1	F0233b	M200c
13#	H158D6	2	4		MON	80%	60*	4	10	00	20				600m%	50 Δ	-40	85	1	F0233b	M200c
14	CD4028AD	2	4		MOS	10	00†	4	50	00	10	75nΔ			100u%	45 Δ	-55	125	1	F0254	Δ001AE
15	CD4028AE	2	4		MOS	10	00†	4	50	00	10	150 Δ			10m%	45 Δ	-40	85	1	F0254	Δ001AC
16	CD4028AK	2	4		MOS	10	00†	4	50	00	10	75nΔ			100u%	45 Δ	-55	125	1	F0254	Δ004AG
17	CM4028AD	2	4		MOS	10	00†	4	10	00	10	75nΔ			200m	45 Δ	-55	125	1	F0254	M210b
18	CM4028AE	2	4		MOS	10	00†	4	10	00	10	150nΔ			200m	4.5 Δ	-40	85	1	F0254	M210b
19	SCL4028AD	2	4		MOS	10	00	4	50	00	10	75n			100u	45	-55	125	1	F0254	Δ001AE
20	SCL4028AE	2	4		MOS	10	00	4	50	00	10	75n			100u	45	-40	85	1	F0254	Δ001AC
21	SCL4028AF	2	4		MOS	10	00	4	50	00	10	75n			100u	45	-55	125	1	F0254	Δ001AG
22	MC5445L	2	18		MON		90t*	4	10	00	50	50nt Δ			215mt		-55	125	1	F0243	M191
23	MC7445L	2	18		MON		90t*	4	10	00	50	50nt Δ			215mt		-55	125	1	F0243	M191
24	MC7445P	2	18		MON		90*†	4	10	00	50	50nt Δ			215mt		0	75	1	F0243	M278
25	MC8345L	2	18		MON		90*†	4	10	00	50	50nt Δ			215mt		0	75	1	F0243	M191
26	MC8345P	2	18		MON		90*†	4	10	00	50	50nt Δ			215mt		0	75	1	F0243	M278
27	MC9345L	2	18		MON		90*†	4	10	00	50	50nt Δ			215mt		-55	125	1	F0243	M191
28	MC54145L	2	18		MON		90t*	4	10	00	50	50nt Δ			215mt		-55	125	1	F0243	M191
29	MC74145L	2	18		MON		90t*	4	10	00	50	50nt Δ			215mt		0	75	1	F0243	M191
30	MC74145P	2	18		MON		90*†	4	10	00	50	50nt Δ			215mt		0	75	1	F0243	M278
31	MC83145L	2	18		MON		90*†	4	10	00	50	50nt Δ			215mt		0	57	1	F0243	M191
32	MC83145P	2	18		MON		90*†	4	10	00	50	50nt Δ			215mt		0	75	1	F0243	M278
33	MC93145L	2	18		MON		90*†	4	10	00	50	50nt Δ			215mt		-55	125	1	F0243	M191
34♦	9311DM	2	18		MON	17%	90*	6	16	00	50	31nt Δ			280m%	400m	-55	125	1	F0232	M246
35♦	9311FM	2	18		MON	17%	90*	6	16	00	50	31nt Δ			280m%	400m	-55	125	1	F0232	FP105
36#	MIC9311-1D	2	18		MON	17%	90*	4	16	00	50				175m		-55	125	1	F0232	
37	T219	2	18		PCB	17	90	4	16	00	50	35n			350m	400m	0	70	2		CB☑
38♦	9311DC	2	18		MON	18%	85*	6	16	00	50	31nt Δ			280m%	400m	0	75	1	F0232	M246
39	9311FC	2	18		MON	18%	85*	4	16	00	50	40nΔ			175mt	400m	0	75	1	F0232	FP56
40	MC8311F	2	18		MON	18%	85*†	4	16	00	50	40nΔ			175mt		0	75	1	F0249	FP91
41	MC8311L	2	18		MON	18%	85*	4	16	00	50	40nΔ			175mt		0	75	1	F0249	M191
42	MC8311P	2	18		MON	18%	85*	4	16	00	50	40nΔ			175mt		0	75	1	F0249	M278
43	MC9311F	2	18		MON	18%	85*†	4	16	00	50	40nΔ			175mt		-55	125	1	F0249	FP91
44	MC9311L	2	18		MON	18%	85*	4	16	00	50	40nΔ			175mt		-55	125	1	F0249	M237
45#	MIC9311-5D	2	18		MON	18%	85*	4	16	00	50				175m		0	75	1	F0232	
46#	T151B1	2	18		MON	18%	85*	4	10	00	50	35n			145mt	400m	0	75	1	F0267	M117b
47#	FJB93L11	2	18		MON	20%	70*	6	10	00	50	70nt			58mt		0	70	1	F0232	M186b
48♦	9301DC	2	18		MON	20%	80*	4	10	00	50	35nt Δ			210m%	400m	0	75	1	F0233	M224c
49♦	9301DM	2	18		MON	20%	80*	4	10	00	50	35nt Δ			220m%	400m	-55	125	1	F0233	M224c
50	9301FC	2	18		MON	20%	80*	4	10	00	50	35nt Δ			145mt	400m	0	75	1	F0233	FP47b
51♦	9301FM	2	18		MON	20%	80*	4	10	00	50	35nt Δ			220m%	400m	-55	125	1	F0233	FP79b
52▼	9301PC	2	18		MON	20%	80*	4	10	00	50	35nt Δ			210m%		0	75	1	F0233	M357
53	9302DC	2	18			20%	80*	4	10	00	50				145mt		0	75	1	F0246	M200
54	9302DM	2	18			20%	80*	4	10	00	50				145mt		-55	125	1	F0246	M200
55	9302FC	2	18		MON	20%	80*	4	10	00	50				145mt		0	75	1	F0246	FP47b
56	9302FM	2	18			20%	80*	4	10	00	50				145mt		-55	125	1	F0246	FP47b
57▼	9311PC	2	18		MON	20%	80*	6	16	00	50	31nt Δ			280m%		0	75	1	F0232	M197a
58	9345DC	2	18		MON	20%	80*	4	10	00	50	50nt Δ			215mt		0	75	1	F179	M200
59	9345DM	2	18		MON	20%	80*	4	10	00	50	50nt Δ			215mt		-55	125	1	F179	M200
60	9345FC	2	18		MON	20%	80*	4	10	00	50	50nt Δ			215mt		0	75	1	F179	FP47b
61	9345FM	2	18		MON	20%	80*	4	10	00	50	50nt Δ			215mt		-55	125	1	F179	FP47b
62	93145DC	2	18		MON	20%	80*	4	10	00	50	50nt Δ			215mt		0	75	1	F179	M200
63	93145DM	2	18		MON	20%	80*	4	10	00	50	50nt Δ			215mt		-55	125	1	F179	M200
64	93145FC	2	18		MON	20%	80*	4	10	00	50	50nt Δ			215mt		0	75	1	F179	FP47b
65	93145FM	2	18		MON	20%	80*	4	10	00	50	50nt Δ			215mt		-55	125	1	F179	FP47b
66#	FJB9311	2	18		MON	20%	80*	6	10	00	50	28nt Δ			175mt		0	70	1	F0232	M186b
67▼#	M54406P	2	18		MON	20%	80*	7	12	00	50	100nΔ			265mt	10 Δ	0	75	1	F0260	M153b
68#	MIC7446AN	2	18		MON	20%	80*	7	8	00	50	100nΔ			265mt		0	75	1	F1710	M117
69#	MIC7446N	2	18		MON	20%	80*	7	8	00	50	100nΔ			265mt		0	75	1	F1710	M117
70#	MIC7447AN	2	18		MON	20%	80*	7	8	00	50	100nΔ			265mt		0	75	1	F1710	M117
71#	MIC7447N	2	18		MON	20%	80*	7	8	00	50	100nΔ			265mt		0	75	1	F1710	M117
72#	MIC7448N	2	18		MON	20%	80*	7	8	0.0	50	100nΔ			265mt		0	75	1	F1710a	M117
73#	SFC4154E	2	18		MON	20%	80*	6	16	00	50	36nΔ			294m%		0	70	1	F0130	M197
74#	SFC4154EM	2	18		MON	20%	80*	6	16	00	50	36nΔ			294m%		-55	125	1	F0130	M197
75#	SFC4154ET	2	18		MON	20%	80*	6	16	0.0	50	36nΔ			294m%		-25	85	1	F0130	M197
76▼	SN54L154J	2	18		MON	20%	80*	6	10	00	50	36nt			85mt		-55	125	1	F0130	Δ015AA
77▼	SN54L154N	2	18		MON	20%	80*	6	10	00	50	36nt			85mt		-55	125	1	F0130	M186
78▼	SN74L154J	2	18		MON	20%	80*	6	10	00	50	36nt			85mt		0	70	1	F0130	Δ015AA
79▼	SN74L154N	2	18		MON	20%	80*	6	10	00	50	36nt			85mt		0	70	1	F0130	M186
80	SN5446J	2	18		MON	20%	80*	7	12	00	50	100nΔ			265mt	10 Δ	-55	125	1	F1710	M153
81	SN5446N	2	18		MON	20%	80*	7	12	00	50	100nΔ			265m	10 Δ	-55	125	1	F1710	M117
82	SN5446W	2	18		MON	20%	80*	7	12	00	50	100nΔ			265m	10 Δ	-55	125	1	F1710	TO84
83	SN5447J	2	18		MON	20%	80*	7	12	00	50	100nΔ			265mt	10 Δ	-55	125	1	F1710	M153
84	SN5447N	2	18		MON	20%	80*	7	12	00	50	100nΔ			265m	10 Δ	-55	125	1	F1710	M117
85	SN5447W	2	18		MON	20%	80*	7	12	00	50	100nΔ			265m	10 Δ	-55	125	1	F1710	TO84
86	SN5448N	2	18		MON	20%	80*	7	4	00	50	100nΔ			265m	10 Δ	-55	125	1	F1710a	M117
87	SN7446J	2	18		MON	20%	80*	7	12	00	50	100nΔ			265mt	10 Δ	0	70	1	F1710	M153
88	SN7446N	2	18		MON	20%	80*	7	12	0.0	50	100nΔ			265mt	10 Δ	0	70	1	F1710	M117
89	SN7447J	2	18		MON	20%	80*	7	12	00	50	100nΔ			265mt	10 Δ	0	70	1	F1710	M153
90	SN7447N	2	18		MON	20%	80*	7	12	00	50	100nΔ			265mt	10 Δ	0	70	1	F1710	M117
91♦	SN54154J	2	18		MON	20%	80*	6	10	00	50	36nt			269m%		-55	125	1	F0130	Δ015AA
92♦	SN54154W	2	18		MON	20%	80*	6	10	0.0	50	36nt			170mt		-55	125	1	F0130	Δ019AA
93♦	SN74154J	2	18		MON	20%	80*	6	10	00	50	36nt			170mt		0	70	1	F0130	Δ015AA
94♦	SN74154N	2	18		MON	20%	80*	6	10	00	50	36nt			170mt		0	70	1	F0130	M186
95	T54S138F	2	18		MON	20%	80*	6	8	00	50	12nt Δ			370m§		-55	125	1	F0277	FP101
96	T54S138J	2	18		MON	20%	80*	6	8	00	50	12nt Δ			370m§		-55	125	1	F0277	M352
97	T54S139F	2	18		MON	20%	80*	6	8	00	50	12nt Δ			450m§		-55	125	1	F0278	FP101
98	T54S139J	2	18		MON	20%	80*	6	8	0.0	50	12nt Δ			450m§		-55	125	1	F0278	M352
99	T74S138F	2	18		MON	20%	80*	6	8	00	50	12nt Δ			370m§		0	70	1	F0277	FP101
100	T74S138J	2	18		MON	20%	80*	6	8	00	50	12nt Δ			370m§		0	70	1	F0277	M352
101	T74S139F	2	18		MON	20%	80*	6	8	0.0	50	12nt Δ			450m§		0	70	1	F0278	FP101
102	T74S139J	2	18		MON	20%	80*	6	8	0.0	50	12nt Δ			450m§		0	70	1	F0278	M352
103#	TL74154N	2	18		MON	20%	80*	6	15	0.0	50	36nt Δ			294mt		0	70	1	F0249	M186
104#	TL84154N	2	18		MON	20%	80*	6	15	00	50	36nt Δ			294mt		-25	85	1	F0249	M186
105	5310	2	18	10M	PCB	20%	80*			00	50				460M		0	70	1		M263
106	5900	2	18	10M	MON	20%	80*			00	50				460M		0	70	1		M264
107	5920-1	2	18	10M	PCB	20%	80*			00	50				460M		0	70	1		M262
108	MIC9301-1D	2	18			24%	40*	4	10	00	50				145mt		-55	125	1	F0233	M153a
109	MIC9301-5D	2	18			24%	45*	4	10	00	50				145mt		0	75	1	F0233	M153a
110	T215	2	18	15M	PCB	50	00	4	10	00	50	20n			675m%	10			3	F0229c	CB☑

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

7. DECODERS

IN ORDER OF (1)FROM CODE(2)TO CODE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	DECODES 1 FROM	DECODES 2 TO	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	No. OF LINES IN	No. OF LINES OUT	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	TRANSITION TIME (s)	RISE TIME tr (s)	FALL TIME tf (s)	MAX. TOTAL POWER DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	MC8359F	2	20		MON		40*†	5	6	0.0	5.0				165m†		0	75	1	F0248	TO86
2	MC9359F	2	20		MON		.40*†	5	6	0 0	5 0				165m†		-55	125	1	F0248	TO86
3	5557	2	20		PCB	2.0%	80*	7	6	0.0	5 0	100nt△			900m†		0	70	3	F0260	CB62
4	5557A	2	20		PCB	2.0%	.80*	7	6	0.0	5.0	100nt△			900m†		0	70	3	F0260	CB62
5	5557B	2	20		PCB	2.0%	80*	7	6	0.0	5.0	100nt△			900m†		0	70	3	F0261	CB62
6	9357ADC	2	20		MON	2.0%	80*	6	8	0.0	5.0	100nt△			515m§		0	70	1	F1710a	M200
7	9357ADM	2	20		MON	2.0%	.80*	6	8	0.0	5.0	100nt△			515m§		-55	125	1	F1710a	M200
8	9357AFC	2	20		MON	2 0%	.80*	6	8	0.0	5 0	100nt△			515m§		0	70	1	F1710a	FP47b
9	9357AFM	2	20		MON	2 0%	.80*	6	8	0.0	5.0	100nt△			515m§		-55	125	1	F1710a	FP47b
10	9357BDC	2	20		MON	2.0%	80*	6	8	0.0	5.0	100nt△			515m§		0	70	1	F1710a	M200
11	9357BDM	2	20		MON	2.0%	80*	6	8	0.0	5 0	100nt△			515m§		-55	125	1	F1710a	M200
12	9357BFC	2	20		MON	2.0%	.80*	6	8	0.0	5.0	100nt△			515m§		0	70	1	F1710a	FP47b
13	9357BFM	2	20		MON	2 0%	.80*	6	8	0.0	5 0	100nt△			515m§		-55	125	1	F1710a	FP47b
14	9358DC	2	20		MON	2 0%	80*	6	8	0.0	5.0	100nt△			450m§		0	70	1	F1710	M200
15	9358DM	2	20		MON	2 0%	.80*	6	8	0.0	5 0	100nt△			450m§		-55	125	1	F1710	M200
16	9358FC	2	20		MON	2 0%	80*	6	8	0.0	5.0	100nt△			450m§		0	70	1	F1710	FP47b
17	9358FM	2	20		MON	2 0%	.80*	6	8	0 0	5.0	100nt△			450m§		-55	125	1	F1710	FP47b
18	9359FC	2	20		MON	2 0%	.80*	5	7	0.0	5 0	100nt△			280m§		0	70	1	F1710	FP52d
19	9359FM	2	20		MON	2 0%	.80*	5	7	0.0	5.0	100nt△			280m§		-55	125	1	F1710	FP52d
20#	FJB9357	2	20		MON	2.0%	80*	7	7	0.0	5.0	100nt△			515m%		0	70	1	F1710a	M210a
21#	FLH551-7448	2	20		MON	2.0%	.80*	4	7	0.0	5.0	100nt△			450m§	1.0 △	0	70	1	F1710	M117w
22#	FLH555-8448	2	20		MON	2 0%	.80*	4	7	0.0	5 0	100mt△			450m§	1.0 △	-25	85	1	F1710	M117w
23#	FLL121-7446	2	20		MON	2.0%	.80*	7	7	0.0	5 0	100nt△			515m§	1 0 △	0	70	1	F1710a	M117w
24	HD1J0140-2	2	20		MON	2 0%	.80*	6	7	0.0	5 0	150nt△			500m§		-55	125	1	F0268	M351
25	HD1J0140-5	2	20		MON	2 0%	.80*	6	7	0.0	5 0	150nt△			500m§		0	75	1	F0268	M351
26	HD1J0140A2	2	20		MON	2 0%	.80*	6	7	0 0	5 0	150nt△			500m§		-55	125	1	F0268	M351
27	HD1J0140A5	2	20		MON	2.0%	80*	6	7	0.0	5.0	150nt△			500m§		0	75	1	F0268	M351
28▼	JANM38510/01006BEB	2	20		MON	2 0%	.80*	7	7	0 0	5.5	144nt△			467m		-55	125	1	F0260	M323
29▼	JANM38510/01006BFB	2	20		MON	2.0%	80*	7	7	0.0	5 5	144nt△			467m		-55	125	1	F0260	FP89
30▼	JANM38510/01006CEB	2	20		MON	2.0%	80*	7	7	0.0	5 5	144nt△			467m		-55	125	1	F0260	M323
31▼	JANM38510/01006CFB	2	20		MON	2 0%	.80*	7	7	0.0	5 5	144nt△			467m		-55	125	1	F0260	FP89
32▼	JANM38510/01007BEB	2	20		MON	2 0%	.80*	7	7	0 0	5 5	144nt△			467m		-55	125	1	F0260	M323
33▼	JANM38510/01007BFB	2	20		MON	2 0%	.80*	7	7	0.0	5 5	144nt△			467m		-55	125	1	F0260	FP89
34▼	JANM38510/01007CEB	2	20		MON	2 0%	.80*	7	7	0.0	5 5	144nt△			467m		-55	125	1	F0260	M323
35▼	JANM38510/01007CFB	2	20		MON	2.0%	80*	7	7	0.0	5 5	144nt△			467m		-55	125	1	F0260	FP89
36▼	JANM38510/01008BEA	2	20		MON	2 0%	80*	7	7	0 0	5 5	144nt△			467m		-55	125	1	F0244	M323
37▼	JANM38510/01008BEB	2	20		MON	2 0%	80*	7	7	0 0	5.5	144nt△			467m		-55	125	1	F0244	M323
38▼	JANM38510/01008BFB	2	20		MON	2.0%	.80*	7	7	0.0	5.5	144nt△			467m		-55	125	1	F0244	FP89
39▼	JANM38510/01008CEA	2	20		MON	2.0%	80*	7	7	0 0	5 5	144nt△			467m		-55	125	1	F0244	M323
40▼	JANM38510/01008CEB	2	20		MON	2.0%	80*	7	7	0 0	5.5	144nt△			467m		-55	125	1	F0244	M323
41▼	JANM38510/01008CFB	2	20		MON	2 0%	.80*	7	7	0.0	5.5	144nt△			467m		-55	125	1	F0244	FP89
42▼	JANM38510/01009BAA	2	20		MON	2 0%	.80*	5	7	0 0	5.5	144nt△			467m		-55	125	1	F1712	FP52d
43▼	JANM38510/01009BAB	2	20		MON	2.0%	80*	5	7	0 0	5.5	144nt△			467m		-55	125	1	F1712	FP52d
44▼	JANM38510/01009BAC	2	20		MON	2.0%	80*	5	7	0.0	5 5	144nt△			467m		-55	125	1	F1712	FP52d
45▼	JANM38510/01009BCA	2	20		MON	2.0%	.80*	5	7	0 0	5.5	144nt△			467m		-55	125	1	F1712	M314
46▼	JANM38510/01009BCB	2	20		MON	2.0%	.80*	5	7	0 0	5.5	144nt△			467m		-55	125	1	F1712	M314
47▼	JANM38510/01009BCC	2	20		MON	2 0%	80*	5	7	0 0	5.5	144nt△			467m		-55	125	1	F1712	M314
48▼	JANM38510/01009BDB	2	20		MON	2 0%	.80*	5	7	0.0	5.5	144nt△			467m		-55	125	1	F1712	FP83
49▼	JANM38510/01009CAA	2	20		MON	2.0%	80*	5	7	0.0	5 5	144nt△			467m		-55	125	1	F1712	FP52d
50▼	JANM38510/01009CAB	2	20		MON	2.0%	.80*	5	7	0.0	5 5	144nt△			467m		-55	125	1	F1712	FP52d
51▼	JANM38510/01009CAC	2	20		MON	2.0%	80*	5	7	0.0	5.5	144nt△			467m		-55	125	1	F1712	FP52d
52▼	JANM38510/01009CCA	2	20		MON	2.0%	.80*	5	7	0 0	5 5	144nt△			467m		-55	125	1	F1712	M314
53▼	JANM38510/01009CCB	2	20		MON	2.0%	80*	5	7	0.0	5 5	144nt△			467m		-55	125	1	F1712	M314
54▼	JANM38510/01009CCC	2	20		MON	2.0%	80*	5	7	0.0	5 5	144nt△			467m		-55	125	1	F1712	M314
55▼	JANM38510/01009CDB	2	20		MON	2.0%	.80*	5	7	0.0	5 5	144nt△			467m		-55	125	1	F1712	FP83
56▼	JANM38510/02905BEB	2	20		MON	2.0%	80*	6	8	0.0	5.5	250nt△			237m		-55	125	1	F0260	M323
57▼	JANM38510/02905CEB	2	20		MON	2 0%	.80*	6	8	0 0	5 5	250nt△			237m		-55	125	1	F0260	M323
58#	M53247P	2	20		MON	2.0%	.80*	7	8	0.0	7 0	100n△			265m†	1.0 △	0	75	1	F1710	M153b
59#	M53248P	2	20		MON	2.0%	80*	7	8	0.0	7 0	100n△			265m†	1.0 △	0	75	1	F1710a	M153b
60#	MIC5446AJ	2	20		MON	2 0%	.80*	6	8	0.0	5 0	100nt△			320m†	400m*	-55	125	1	F1710a	M153a
61#	MIC5446J	2	20		MON	2 0%	80*	6	8	0 0	5 0	100nt△			265m†	400m*	-55	125	1	F1710a	M153a
62#	MIC5447AJ	2	20		MON	2 0%	80*	6	8	0 0	5 0	100nt△			320m†	400m*	-55	125	1	F1710a	M153a
63#	MIC5447J	2	20		MON	2.0%	.80*	6	8	0.0	5.0	100nt△			265m†	400m*	-55	125	1	F1710a	M153a
64#	MIC5448J	2	20		MON	2 0%	.80*	6	8	0 0	5 0	100nt△			265m†	400m*	-55	125	1	F1710	M153a
65#	MIC6446AJ	2	20		MON	2.0%	80*	6	8	0.0	5.0	100nt△			320m†	400m*	-40	85	1	F1710a	M153a
66#	MIC6446J	2	20		MON	2 0%	80*	6	8	0.0	5 0	100nt△			265m†	400m*	-40	85	1	F1710a	M153a
67#	MIC6447AJ	2	20		MON	2.0%	80*	6	8	0 0	5 0	100nt△			320m†	400m*	-40	85	1	F1710a	M153a
68#	MIC6447J	2	20		MON	2 0%	80*	6	8	0.0	5.0	100nt△			265m†	400m*	-40	85	1	F1710a	M153a
69#	MIC6448J	2	20		MON	2 0%	80*	6	8	0 0	5.0	100nt△			265m†	400m*	-40	85	1	F1710	M153a
70#	MIC7446AJ	2	20		MON	2 0%	80*	6	8	0 0	5 0	100nt△			320m†	400m*	0	75	1	F1710a	M153a
71#	MIC7446J	2	20		MON	2 0%	80*	6	8	0.0	5 0	100nt△			265m†	400m*	0	75	1	F1710a	M153a
72#	MIC7447AJ	2	20		MON	2 0%	.80*	6	8	0.0	5.0	100nt△			320m†	400m*	0	75	1	F1710a	M153a
73#	MIC7447J	2	20		MON	2.0%	80*	6	8	0 0	5 0	100nt△			265m†	400m*	0	75	1	F1710a	M153a
74#	MIC7448J	2	20		MON	2 0%	.80*	6	8	0 0	5.0	100nt△			265m†	400m*	0	75	1	F1710	M153a
75	N7446B	2	20		MON	2 0%	80*	6	12	0.0	5 0	100nt△					0	70	1	F0260	M256
76	N7447B	2	20		MON	2.0%	.80*	6	12	0 0	5 0	100nt△					0	70	1	F0260	M256
77	N7448B	2	20		MON	2 0%	.80*	6	4	0.0	5 0	100nt△					0	70	1	F0260	M256
78♦	SN54L46J	2	20		MON	2 0%	80*	6	12	0.0	5 0	200n△			133m†	1 0 △	-55	125	1	F0260	M153d
79♦	SN54L46N	2	20		MON	2.0%	.80*	6	12	0 0	5 0	200n△			133m†	1 0 △	-55	125	1	F0260	M117x
80♦	SN54L47J	2	20		MON	2 0%	80*	6	12	0 0	5 0	200n△			133m†	1 0 △	-55	125	1	F0260	M153d

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

7. DECODERS

IN ORDER OF (1)FROM CODE(2)TO CODE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	DECODES 1 FROM	DECODES 2 TO	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	No. OF LINES IN	No. OF LINES OUT	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	TRANSITION TIME (s)	RISE TIME tr (s)	FALL TIME tf (s)	MAX. TOTAL POWER DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1♦	SN54L47N	2	20		MON	2.0%	80*	6	12	0.0	5 0	200nΔ			133mt	1.0 Δ	-55	125	1	F0260	M117x
2♦	SN74L46J	2	20		MON	2.0%	80*	6	12	0 0	5 0	200nΔ			133mt	1 0 Δ	0	70	1	F0260	M153d
3♦	SN74L46N	2	20		MON	2 0%	80*	6	12	0 0	5 0	200nΔ			133mt	1.0 Δ	0	70	1	F0260	M117x
4♦	SN74L47J	2	20		MON	2 0%	.80*	6	12	0.0	5.0	200nΔ			133mt	1.0 Δ	0	70	1	F0260	M153d
5♦	SN74L47N	2	20		MON	2.0%	80*	6	12	0.0	5 0	200nΔ			133mt	1.0 Δ	0	70	1	F0260	M117x
6▼	SN5446AJ	2	20		MON	2.0%	.80*	6	12	0.0	5.0	100nΔ			320mt	1.0 Δ	-55	125	1	F0260	M153d
7▼	SN5446AW	2	20		MON	2.0%	.80*	6	12	0.0	5.0	100nΔ			320mt	1 0 Δ	-55	125	1	F0260	Δ004AG
8▼	SN5447AJ	2	20		MON	2.0%	80*	6	12	0.0	5.0	100nΔ			320mt	1 0 Δ	-55	125	1	F0260	M153d
9▼	SN5447AW	2	20		MON	2.0%	80*	6	12	0.0	5 0	100nΔ			320mt	1.0 Δ	-55	125	1	F0260	Δ004AG
10♦	SN5448J	2	20		MON	2.0%	80*	6	7	0.0	5.0	100nΔ			265mt	1 0 Δ	-55	125	1	F1710a	M153d
11♦	SN5448W	2	20		MON	2.0%	.80*	6	7	0.0	5.0	100nΔ			265m	1 0 Δ	-55	125	1	F1710a	Δ004AG
12♦	SN5449W	2	20		MON	2 0%	80*	5	6	0 0	5 0	100nΔ			165m	1.0 Δ	-55	125	1	F1712	M157b
13▼	SN7446AJ	2	20		MON	2.0%	.80*	6	12	0.0	5 0	100nΔ			320mt	1 0 Δ	0	70	1	F0260	M153d
14▼	SN7446AN	2	20		MON	2.0%	.80*	6	12	0.0	5.0	100nΔ			320mt	1 0 Δ	0	70	1	F0260	M117x
15▼	SN7447AJ	2	20		MON	2 0%	80*	6	12	0 0	5.0	100nΔ			320mt	1.0 Δ	0	70	1	F0260	M153d
16▼	SN7447AN	2	20		MON	2 0%	80*	6	12	0.0	5 0	100nΔ			320mt	1 0 Δ	0	70	1	F0260	M117x
17♦	SN7448J	2	20		MON	2 0%	.80*	6	7	0 0	5 0	100nΔ			265mt	1 0 Δ	0	70	1	F1710a	M153d
18♦	SN7448N	2	20		MON	2.0%	80*	6	7	0.0	5.0	100nΔ			265mt	1.0 Δ	0	70	1	F1710a	M117x
19♦	SN7449W	2	20		MON	2 0%	80*	5	6	0 0	5.0	100nΔ			165mt	1 0 Δ	0	70	1	F1712	M157b
20	SN54246J	2	20		MON	2 0%	.80*	7	7	0.0	5 0	100nΔ			320mt	1 0 Δ	-55	125	1	F0279a	M153a
21	SN54246W	2	20		MON	2 0%	80*	7	7	0.0	5 0	100nΔ			320mt	1 0 Δ	-55	125	1	F0279a	Δ004AG
22	SN54247J	2	20		MON	2.0%	80*	7	7	0 0	5.0	100nΔ			320mt	1.0 Δ	-55	125	1	F0279a	M153a
23	SN54247W	2	20		MON	2 0%	80*	7	7	0 0	5.0	100nΔ			320mt	1.0 Δ	-55	125	1	F0279a	Δ004AG
24	SN54248J	2	20		MON	2.0%	80*	7	7	0.0	5.0	100nΔ			265mt	1.0 Δ	-55	125	1	F0279	M153a
25	SN54248W	2	20		MON	2.0†	80*	7	7	0 0	5 0	100nΔ			265mt	1.0 Δ	-55	125	1	F0279	Δ004AG
26	SN54249J	2	20		MON	2 0%	80*	7	7	0 0	5 0	100nΔ			265mt	1.0 Δ	-55	125	1	F0279	M153a
27	SN54249W	2	20		MON	2 0%	80*	7	7	0 0	5 0	100nΔ			265mt	1.0 Δ	-55	125	1	F0279	Δ004AG
28	SN74246J	2	20		MON	2 0%	80*	7	7	0 0	5 0	100nΔ			320mt	1.0 Δ	0	70	1	F0279a	M153a
29	SN74246N	2	20		MON	2 0%	80*	7	7	0 0	5 0	100nΔ			320mt	1.0 Δ	0	70	1	F0279a	M117
30	SN74247J	2	20		MON	2 0%	.80*	7	7	0.0	5 0	100nΔ			320mt	1.0 Δ	0	70	1	F0279a	M153a
31	SN74247N	2	20		MON	2 0%	80*	7	7	0 0	5.0	100nΔ			320mt	1.0 Δ	0	70	1	F0279a	M117
32	SN74248J	2	20		MON	2 0%	80*	7	7	0 0	5 0	100nΔ			265mt	1 0 Δ	0	70	1	F0279	M153a
33	SN74248N	2	20		MON	2.0%	80*	7	7	0 0	5.0	100nΔ			265mt	1.0 Δ	0	70	1	F0279	M117
34	SN74249J	2	20		MON	2.0%	80*	7	7	0 0	5 0	100nΔ			265mt	1.0 Δ	0	70	1	F0279	M153a
35	SN74249N	2	20		MON	2 0%	80*	7	7	0 0	5 0	100nΔ			265mt	1 0 Δ	0	70	1	F0279	M117
36	SW5446AJ	2	20		MON	2.0%	80*	7	7	0.0	5.0	100nΔ			265mt	1.0 Δ	-55	125	1	F1710a	M153
37	SW5446J	2	20		MON	2 0%	80*	7	7	0.0	5.0	100nΔ			265mt	1 0 Δ	-55	125	1	F1710a	M153
38	SW5447AJ	2	20		MON	2.0%	.80*	7	7	0.0	5.0	100nΔ			265mt	1 0 Δ	-55	125	1	F1710a	M153
39	SW5447J	2	20		MON	2 0%	.80*	7	7	0.0	5.0	100nΔ			265mt	1 0 Δ	-55	125	1	F1710a	M153
40	SW5448J	2	20		MON	2 0%	80*	4	7	0 0	5.0	100nΔ			265mt	1.0 Δ	-55	125	1	F1710	M153
41	SW7446AJ	2	20		MON	2 0%	80*	7	7	0.0	5 0	100nΔ			265mt	1 0 Δ	0	70	1	F1710a	M153
42	SW7446AN	2	20		MON	2 0%	80*	7	7	0.0	5 0	100nΔ			265mt	1.0 Δ	0	70	1	F1710a	M117
43	SW7446J	2	20		MON	2.0%	80*	7	7	0.0	5 0	100nΔ			265mt	1 0 Δ	0	70	1	F1710a	M153
44	SW7446N	2	20		MON	2 0%	.80*	7	7	0 0	5 0	100nΔ			265mt	1 0 Δ	0	70	1	F1710a	M117
45	SW7447AJ	2	20		MON	2.0%	80*	7	7	0.0	5 0	100nΔ			265mt	1.0 Δ	0	70	1	F1710a	M153
46	SW7447AN	2	20		MON	2 0%	80*	7	7	0 0	5 0	100nΔ			265mt	1 0 Δ	0	70	1	F1710a	M117
47	SW7447J	2	20		MON	2 0%	80*	7	7	0 0	5 0	100nΔ			265mt	1.0 Δ	0	70	1	F1710a	M153
48	SW7447N	2	20		MON	2.0%	80*	7	7	0 0	5.0	100nΔ			265mt	1.0 Δ	0	70	1	F1710a	M117
49	SW7448J	2	20		MON	2 0%	80*	4	7	0 0	5 0	100nΔ			265mt	1 0 Δ	0	70	1	F1710	M153
50	SW7448N	2	20		MON	2 0%	80*	4	7	0 0	5 0	100nΔ			265mt	1.0 Δ	0	70	1	F1710	M117
51#	TL7446AN	2	20		MON	2 0%	.80*	7	7	0.0	5.0	100nt△			540mt		0	70	1	F1710a	M117u
52#	TL7447AN	2	20		MON	2 0%	.80*	7	7	0.0	5.0	100nt△			540mt		0	70	1	F1710a	M117u
53#	TL7448N	2	20		MON	2.0%	.80*	7	7	0 0	5 0	100nt△			472mt		0	70	1	F1710	M117u
54	US5446A	2	20		MON	2.0%	80*	4	7	0.0	5.0	100nΔ				1 0 Δ	-55	125	1	F1710	M117g
55	US5447A	2	20		MON	2 0%	80*	4	7	0.0	5 0	100nΔ				1.0 Δ	-55	125	1	F1710	M117g
56	US5448A	2	20		MON	2 0%	.80*	4	7	0 0	5 0	100nΔ				1 0 Δ	-55	125	1	F1710a	M117g
57	US7446A	2	20		MON	2.0%	.80*	4	7	0 0	5 0	100nΔ				1.0 Δ	0	70	1	F1710	M117g
58	US7447A	2	20		MON	2 0%	.80*	4	7	0 0	5 0	100nΔ				1 0 Δ	0	70	1	F1710	M117g
59	US7448A	2	20		MON	2 0%	80*	4	7	0 0	5 0	100nΔ				1.0 Δ	0	70	1	F1710a	M117g
60	CD2500E	2	20		MON	2 0%	85*△	4	7	50	5.5						0	75	1		Δ001AC
61	CD2501E	2	20		MON	2 0%	85*△	4	7	50	5 5						0	75	1		Δ001AC
62	CD2502E	2	20		MON	2 0%	85*△	4	7	50	5 5						0	75	1		Δ001AC
63	CD2503E	2	20		MON	2.0%	85*△	4	7	50	5.5						0	75	1		Δ001AC
64	MC5446L	2	20†		MON	2 4%	40*†	6	5	0.0	5 0				265mt		-55	125	1	F0244	M191
65	MC5447L	2	20†		MON	2 4%	.40*†	6	5	0 0	5 0				265mt		-55	125	1	F0244	M191
66	MC5448L	2	20		MON	2 4%	40*†	7	5	0 0	5.0				265mt		-55	125	1	F0250	M191
67	MC5449F	2	20		MON	2 4%	40*	5	6	0 0	5 0				165mt		-55	125	1	F0248	TO86
68	MC7446L	2	20†		MON	2 4%	40*†	6	5	0 0	5.0				265mt		0	70	1	F0244	M191
69	MC7446P	2	20†		MON	2 4%	40*†	6	7	0.0	5.0				265mt		0	70	1	F0244	M278
70	MC7447L	2	20†		MON	2 4%	40*†	6	5	0 0	5 0				265mt		0	70	1	F0244	M191
71	MC7447P	2	20†		MON	2.4%	40*†	6	7	0 0	5 0				265mt		0	70	1	F0244	M278
72	MC7448L	2	20		MON	2.4%	40*†	7	5	0 0	5.0				265mt		0	70	1	F0250	M191
73	MC7448P	2	20		MON	2 4%	40*†	7	7	0 0	5.0				265mt		0	70	1	F0250	TO116
74	MC7449F	2	20		MON	2 4%	40*	5	6	0 0	5 0				165mt		0	70	1	F0248	TO86
75	MC8358L	2	20		MON	2 4%	40*†	7	9	0 0	5 0				265mt		0	75	1	F0250	M191
76	MC8358P	2	20		MON	2 4%	40*†	7	9	0 0	5 0				265mt		0	75	1	F0250	M278
77	MC9358L	2	20		MON	2 4%	40*†	7	9	0 0	5.0				265mt		-55	125	1	F0250	M191
78	N8T04E	2	20		MON	3.1%	40*†	5		0.0	5 0				446m		0	75	1	F0251	M153a
79	N8T06B	2	20		MON	3 1%	.40*	4	7	0.0	5.0				446m		0	75	1	F0251	M256
80	N8T06E	2	20		MON	3.1%	40*	4	7	0 0	5 0				446m		0	75	1	F0251	M153a
81	N8T06R	2	20		MON	3 1%	40*	4	7	0 0	5.0				446m		0	75	1	F0251	FP79a
82	S8T06B	2	20		MON	3 1%	40*	4	7	0.0	5 0				446m		-55	125	1	F0251	M256
83	S8T06E	2	20		MON	3 1%	40*	4	7	0 0	5.0				446m		-55	125	1	F0251	M153a
84	S8T06R	2	20		MON	3 1%	.40*	4	7	0 0	5 0				446m		-55	125	1	F0251	FP79a
85	N8T04B	2	20			3 3%	40†*	4	7	0 0	5 0				446m		0	75	1	F0251	M256
86	N8T04R	2	20			3.3%	40†*	4	7	0 0	5 0				446m		0	75	1	F0251	FP79a
87	S8T04E	2	20			3 3%	.40†*	4	7	0.0	5.0				394m		-55	125	1	F0251	M146a
88	S8T04R	2	20			3 3%	40†*	4	7	0 0	5.0				394m		-55	125	1	F0251	FP79a
89	N8T05E	2	20		MON	3 9%	.30*†	6		0.0	5 0				110m		0	75	1	F0251a	M153a
90	MC14511AL	2	20		MOS	4 1%	01*†	7	7	0 0	10		75n	1 0u	100u		-55	125	1	F0273	M191
91	MC14511CL	2	20		MOS	4.1%	01*†	7	7	0 0	10		110n	1 0u	1 0m		-40	85	1	F0273	M191
92	MC14511CP	2	20		MOS	4 1%	01*†	7	7	0 0	10		110n	1 0u	1 0m		-40	85	1	F0273	M278
93	N8T05B	2	20			4 1%	30†*	4	7	0 0	5.0				446m		0	75	1	F0251a	M256
94	N8T05R	2	20			4.1%	.30†*	4	7	0 0	5 0				446m		0	75	1	F0251a	FP79a
95	S8T05E	2	20			4 1%	30†*	4	7	0 0	5 0				394m		-55	125	1	F0251a	M146a
96	S8T05R	2	20			4 1%	.30†*	4	7	0 0	5 0				394m		-55	125	1	F0251a	FP79a
97	MC8307F	2	20		MON	4 3%	.40*†	7	7	0 0	5.0				165mt		0	75	1	F0269	FP85
98	MC8307L	2	20		MON	4 3%	40*†	7	9	0 0	5 0				165mt		0	75	1	F0269	M191
99	MC8307P	2	20		MON	4 3%	40*†	7	9	0 0	5.0				165mt		0	75	1	F0269	M278
100	MC9307F	2	20		MON	4 3%	.40*†	7	7	0 0	5 0				165mt		-55	125	1	F0269	FP85
101	MC9307L	2	20		MON	4 3%	40*†	7	10	0 0	5 0				165mt		-55	125	1	F0269	M191
102▼	CM4117AD	2	20*		MOS	5 0	0 0	3.5	22	0 0	7 0						-55	125	1	F0281	M☑
103▼	CM4117AE	2	20*		MOS	5.0	0 0	3.5	22	0.0	7 0						-40	85	1	F0281	M☑
104▼	CM4117AF	2	20*		MOS	5 0	0 0	3.5	22	0 0	7 0						-55	125	1	F0281	FP☑
105	383AJ	2	20		MON	6 5%	5.0%	7		0 0	15					3.2	-30	70	1	F0260	M319
106	383AL	2	20		MON	6 5%	5 0%	7		0 0	15					3 2	-30	70	1	F0260	M200j
107	383BL	2	20		MON	6 5%	5 0%	7		0.0	12					3 5	-55	125	1	F0260	M200j
108	383CJ	2	20		MON	6 5%	5.0%	7		0.0	12					3 5	-30	85	1	F0260	M319
109	383CL	2	20		MON	6 5%	5 0%	7		0 0	12					3 5	-30	85	1	F0260	M200j
110	383ML	2	20		MON	6 5%	5 0%	7		0.0	15					3 5	-55	125	1	F0260	M200j

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

7. DECODERS

IN ORDER OF (1)FROM CODE(2)TO CODE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No	6 TYPE No	DECODES 1 FROM	DECODES 2 TO	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	No. OF LINES IN	No. OF LINES OUT	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	TRANSITION TIME (s)	RISE TIME tr (s)	FALL TIME tf (s)	MAX. TOTAL POWER DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG No	DRAWINGS OUTLINE DWG No Δ=MO
1	MC14543AL	2	20		MOS	9 99%	01*†	7	8	00	10		75n	75n	100u%		-55	125	1	F0276	M191
2	MC14543CL	2	20		MOS	9 99%	01*†	7	8	00	10		110n	110n	1 0m%		-40	85	1	F0276	M191
3	MC14543CP	2	20		MOS	9.99%	01*†	7	8	00	10		110n	110n	1.0m%		-40	85	1	F0276	M278
4	CD4055AD	2	20*		MOS	10	0 0†	5	8	00	50	40n			200m	2 2 Δ	-55	125	1	F0270	Δ001AE
5	CD4055AE	2	20*		MOS	10	0 0†	5	8	00	50	40n			200m	2 2 Δ	-40	85	1	F0270	Δ001AC
6	CD4055AH	2	20*		MOS	10	0 0†	5	8	00	50	40n			200m	2 2 Δ	-55	125	1	F0270	FC6b
7	CD4055AK	2	20*		MOS	10	0.0†	5	8	00	50	40n			200m	2 2 Δ	-55	125	1	F0270	Δ004AG
8	CD4056AD	2	20*		MOS	10	0 0†	6	8	00	50	40n			200m	2 2 Δ	-55	125	1	F0271	Δ001AE
9	CD4056AE	2	20*		MOS	10	0 0†	6	8	00	50	40n			200m	2 2 Δ	-40	85	1	F0271	Δ001AC
10	CD4056AH	2	20*		MOS	10	0 0†	6	8	00	50	40n			200m	2 2 Δ	-55	125	1	F0271	FC6b
11	CD4056AK	2	20*		MOS	10	0 0†	6	8	0.0	50	40n			200m	2 2 Δ	-55	125	1	F0271	Δ004AG
12	SCL4511AD	2	20		MOS	10	0 0†	7	7	0.0	10		75n	1 0u	200m	4 5 Δ	-55	125	1	F0273	Δ002AE
13	SCL4511AE	2	20		MOS	10	0 0†	7	7	00	10		75n	1 0u	200m	4 5 Δ	-40	85	1	F0273	Δ001AC
14	SCL4511AF	2	20		MOS	10	0 0†	7	7	00	10		75n	1 0u	200m	4 5 Δ	-55	125	1	F0273	Δ004AG
15#	DN822	4	2		MON					00	15				200m†	700m☑	0	75	1	C0324	M200m
16▼	SN54147J	4	2		MON	2 0%	.80*	9		00	50	10n			225m†		-55	125	1	F042	M153d
17▼	SN54147W	4	2		MON	2 0%	.80*	9		00	50	10n			225m†		-55	125	1	F042	Δ004AG
18▼	SN74147J	4	2		MON	2 0%	.80*	9		00	50	10n			225m†		0	70	1	F042	M153d
19▼	SN74147N	4	2		MON	2 0%	.80*	9		00	50	10n			225m†		0	70	1	F042	M117x
20	SW5443J	5			MON	2 0%	.80*	4	10	00	55	30n%			140m	1 0	-55	125	1	F0229a	M153b
21	SW7443J	5			MON	2.0%	.80*	4	10	00	52	30n%			140m	1 0	0	70	1	F0229a	M153b
22	SW7443N	5			MON	2 0%	.80*	4	10	0.0	5.2	30n%			140m	1.0	0	70	1	F0229a	M117
23	5582	5	4		PCB	2 0%	.80*	4	10	0.0	50	35nt△			420m†		0	70	3	F054	CB62
24	9353DC	5	4		MON	2.0%	.80*	4	10	00	50	35nt△			280m§		0	70	1	F055	M200j
25	9353DM	5	4		MON	2.0%	.80*	4	10	00	50	35nt△			280m§		-55	125	1	F055	M200j
26	9353FC	5	4		MON	2 0%	.80*	4	10	00	50	35nt△			280m§		0	70	1	F055	FP47b
27	9353FM	5	4		MON	2 0%	.80*	4	10	00	50	35nt△			280m§		-55	125	1	F055	FP47b
28#	FLH361-7443	5	4		MON	2 0%	.80*	4	10	00	50	35nt△			280m§	1 0 △	0	70	1	F0229a	M117w
29#	FLH365-8443	5	4		MON	2 0%	.80*	4	10	00	50	35nt△			280m§	1 0 △	-25	85	1	F0229a	M117w
30#	FLH371-7444	5	4		MON	2 0%	.80*	4	10	00	50	35nt△			280m§	1 0 △	0	70	1	F0229a	M117w
31#	FLH375-8444	5	4		MON	2 0%	.80*	4	10	00	50	35nt△			280m§	1 0 △	-25	85	1	F0229a	M117w
32▼	JANM38510/01002BEA	5	4		MON	2 0%	.80*	4	10	00	55	46nt△			226m		-55	125	1	F053	M323
33	JANM38510/01002BEB	5	4		MON	2 0%	.80*	4	10	00	55	46nt△			226m		-55	125	1	F053	M323
34	JANM38510/01002BEC	5	4		MON	2 0%	.80*	4	10	00	55	46nt△			226m		-55	125	1	F053	M323
35	JANM38510/01002BFB	5	4		MON	2 0%	.80*	4	10	00	5.5	46nt△			226m		-55	125	1	F053	FP93
36	JANM38510/01002BFC	5	4		MON	2 0%	.80*	4	10	00	55	46nt△			226m		-55	125	1	F053	FP93
37▼	JANM38510/01002CEA	5	4		MON	2 0%	.80*	4	10	00	55	46nt△			226m		-55	125	1	F053	M323
38	JANM38510/01002CEB	5	4		MON	2 0%	.80*	4	10	00	55	46nt△			226m		-55	125	1	F053	M323
39	JANM38510/01002CEC	5	4		MON	2 0%	.80*	4	10	00	55	46nt△			226m		-55	125	1	F053	M323
40	JANM38510/01002CFB	5	4		MON	2 0%	.80*	4	10	00	55	46nt△			226m		-55	125	1	F053	FP93
41	JANM38510/01002CFC	5	4		MON	2 0%	.80*	4	10	00	55	46nt△			226m		-55	125	1	F053	FP93
42#	M53243P	5	4		MON	2 0%	.80*	4	10	00	70	30n%			140m†	1 0 △	0	75	1	F052	M153b
43#	MIC5443J	5	4		MON	2 0%	.80*	4	10	00	5.0	25nt			140m†	400m	-55	125	1	F0233c	M153a
44#	MIC6443J	5	4		MON	2 0%	.80*	4	10	00	50	25nt			140m†	400m	-40	85	1	F0233c	M153a
45#	MIC7443J	5	4		MON	2 0%	.80*	4	10	00	50	25nt			140m†	400m	0	75	1	F0233c	M153a
46#	MIC7443N	5	4		MON	2 0%	.80*	4	10	00	50	25nt			140m†	400m	0	75	1	F0233c	M117
47	N7443B	5	4		MON	2 0%	.80*	4	10	00	50	35nt△					0	70	1	F052	M256
48	N7443R	5	4		MON	2 0%	.80*	4	10	00	50	35nt△					0	70	1	F052	FP79a
49	S5443B	5	4		MON	2 0%	.80*	4	10	00	50	35nt△					-55	125	1	F052	M256
50	S5443E	5	4		MON	2 0%	.80*	4	10	00	50	35nt△					-55	125	1	F052	M153a
51	S5443R	5	4		MON	2 0%	.80*	4	10	00	50	35nt△					-55	125	1	F052	FP79a
52▼	SN54L43J	5	4		MON	2 0%	.80*	4	10	00	50	70nt			70m†	1 0 △	-55	125	1	F052	M153d
53▼	SN54L43N	5	4		MON	2 0%	.80*	4	10	00	50	70nt			70m†	1.0 △	-55	125	1	F052	M117x
54▼	SN74L43J	5	4		MON	2 0%	.80*	4	10	00	50	70nt			70m†	1 0 △	0	70	1	F052	M153d
55▼	SN74L43N	5	4		MON	2 0%	.80*	4	10	00	50	70nt			70m†	1.0 △	0	70	1	F052	M117x
56▼	SN5443AJ	5	4		MON	2 0%	.80*	4	10	00	5.0	30nt			140m†	1 0 △	-55	125	1	F052	M153d
57▼	SN5443AW	5	4		MON	2 0%	.80*	4	10	00	50	30nt			140m†	1 0 △	-55	125	1	F052	Δ004AG
58	SN5443N	5	4		MON	2 0%	.80*	4	100	0	7	30n%			140m†	1 0 △	-55	125	1	F0229a	M117
59	SN5443W	5	4		MON	2 0%	.80*	4	10	00	70	30n%			140m†	1 0 △	-55	125	1	F0229a	TO84
60#	SN6443N	5	4		MON	2 0%	.80*	4	100	00	70	30n%			140m†	1 0 △	-40	85	1	F0229a	M117
61▼	SN7443AJ	5	4		MON	2 0%	.80*	4	10	00	50	30nt			140m†	1 0 △	0	70	1	F052	M153d
62▼	SN7443AN	5	4		MON	2 0%	.80*	4	10	00	50	30nt			140m†	1 0 △	0	70	1	F052	Δ004AG
63	SN7443N	5	4		MON	2 0%	.80*	4	100	0	7	30n%			140m†	1 0 △	0	70	1	F0229a	M117
64#	T7443B1	5	4		MON	2 0%	80	4	100	00	70	30n%			140m†	1 0 △	0	70	1	F0229a	M117
65#	TL7443N	5	4		MON	2 0%	.80*	4	10	00	50	35nt△			294m†		0	70	1	F0229a	M117u
66	US5443A	5	4		MON	2 0%	.80*	4	10	00	50	35n△				1 0 △	-55	125	1	F0229a	M117g
67	US5444A	5	4		MON	2 0%	.80*	4	10	00	50	35n△			140m†	1.0 △	-55	125	1	F0229a	M117g
68	US7443A	5	4		MON	2.0%	.80*	4	10	00	50	35n△				1 0 △	0	70	1	F0229a	M117g
69	US7444A	5	4		MON	2 0%	.80*	4	10	00	50	35n△			140m†	1 0 △	0	70	1	F0229a	M117g
70	MC5443L	5	4		MON	2 4%	40*†	4	10	00	50				140m†	1 0	-55	125	1	F053	M191
71	MC7443L	5	4		MON	2 4%	40*†	4	10	00	5.0				140m†	1 0	0	70	1	F053	M191
72	MC7443P	5	4		MON	2 4%	.40*†	4	10	00	50				140m†	1 0	0	70	1	F053	M278
73	MC8353L	5	4		MON	2 4%	40*†	4	10	00	50	10nt			140m†		0	75	1	F053	M191
74	MC8353P	5	4		MON	2 4%	.40*†	4	10	00	50	10nt			140m†		0	75	1	F053	M278
75	MC9353L	5	4		MON	2 4%	.40*†	4	10	00	50	10nt			140m†		-55	125	1	F053	M191
76#	M53244P	6	4		MON	2.0%	.80*	4	10	0.0	70	30n%			140m†	1 0 △	0	75	1	F0229a	M153b
77#	MIC5444J	6	4		MON	2.0%	.80*	4	10	00	50	25nt			140m†	400m	-55	125	1	F0233c	M153a
78#	MIC6444J	6	4		MON	2 0%	.80*	4	10	00	50	25nt			140m†	400m	-40	85	1	F0233c	M153a
79#	MIC7444J	6	4		MON	2 0%	.80*	4	10	00	50	25nt			140m†	400m	0	75	1	F0233c	M153a
80#	MIC7444N	6	4		MON	2 0%	.80*	4	10	00	50	25nt			140m†	400m	0	75	1	F0233c	M117
81	SN5444N	6	4		MON	2 0%	80*	4	100	0	7	30n%			140m†	1 0 △	-55	125	1	F0229a	M117
82	SN5444W	6	4		MON	2 0%	80*	4	10	00	7.0	30n%			140m†	1.0 △	-55	125	1	F0229a	TO84
83#	SN6444N	6	4		MON	2 0%	80*	4	100	00	70	30n%			140m†	1 0 △	-40	85	1	F0229a	M117
84	SN7444N	6	4		MON	2 0%	80*	4	100	0	7	30n%			140m†	1 0 △	0	70	1	F0229a	M117
85#	T7444B1	6	4		MON	2 0%	80	4	100	00	70	30n%			140m†	1 0 △	0	70	1	F0229a	M117
86	B155	7	8	10M	PCB	0.0	-3.0	7	4	15	10		70n	50n	800m	800m	-20	65	1	F073	CB31
87	9960DC	17	4		MON	10%	40*	4	10†	0.0	60				45m		0	75	1	F176	M117c
88	T223	17	18	20M	PCB	1 7	90	4	8	0.0	50	20n			450m	400m	0	70	6		CB☑
89	93L01FC	17	18	5.0M	MON	1 8%	.75*	4	10	00	5.0	65n△			50m†	400m	0	75	1	F0233	FP47b
90	93L11FC	17	18	5 0M	MON	1 8%	.75*	4	16	0.0	50	70n			44m†	400m	0	75	1	F0232	FP66
91	9321FC	17	18	15M	MON	1 8%	85*	4	8	00	50	20n			150m†	400m	0	75	2	F1714	FP47b
92	9307DM	17	18		MON	1 9%	1 1*	6	8	0.0	7.0						-55	125	1	F175	M117b
93	9307FM	17	18		MON	1.9%	1 1*	6	8	0.0	5.0	500nt△					-55	125	1	F175	FP47b
94#	FJB93L21	17	18		MON	2.0%	.70*	3	4	0.0	50	50nt△			45m†		0	70	2	F1714	M210a
95#	FJB9321	17	18		MON	2 0%	80*	3	4	00	50	35nt△			150m†		0	70	2	F1714	M210a
96	SN5443J	17	18		MON	2.0%	80*	4	100	0.0	50	35n△			140m†		-55	125		F0229a	M153
97	SN5444J	17	18		MON	2.0%	80*	4	100	0.0	5.0	35n△			140m†		-55	125		F0229a	M153
98	SN7443J	17	18		MON	2.0%	80*	4	100	00	50	35n△			140m†		0	70		F0229a	M153
99	SN7444J	17	18		MON	2 0%	80*	4	100	00	50	35n△			140m†		0	70		F0229a	M153
100	9307DC	17	18		MON	2 0%	85*	6	7	00	70						0	75	1	F175	M117b

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

7. DECODERS

IN ORDER OF (1)FROM CODE(2)TO CODE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No	DECODES 1 FROM	DECODES 2 TO	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	No. OF LINES IN	No. OF LINES OUT	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	TRANSITION TIME (s)	RISE TIME tr (s)	FALL TIME tf (s)	MAX. TOTAL POWER DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	9307FC	17	18		MON	2 0%	.85*	6	7	0.0	5 0	500nt△					0	75	1	F175	FP47b
2	9317BDC	17	20		MON	1 9%	1 1*	6	8	0.0	5.0						-55	125	1		M148a
3	9317BDM	17	20		MON	1.9%	1 1*	6	8	0 0	5 0						-55	125	1		FP47b
4	9317BFM	17	20		MON	1 9%	1.1*	6	8	0 0	5 0	500nt△			400m		-55	125	1	F1717	FP47b
5	9317CFM	17	20		MON	1 9%	1 1*	6	8	0 0	5 0	500nt△			240m		0	75	1	F1717	FP47b
6	I422	17	20		PCB	1 9	1 1	6	8	0.0	5 0						-55	95	3		CB☑
7	9317BFC	17	20		MON	2 0%	.85*	6	8	0 0	5 0	500nt△			400m		-55	125	1	F1717	FP47b
8	9317CDC	17	20		MON	2.0%	85*	6	8	0 0	5.0						0	75	1		M148a
9	9317CDM	17	20		MON	2.0%	85*	6	8	0.0	5.0						0	75	1		FP47b
10	9317CFC	17	20		MON	2 0%	85*	6	8	0 0	5 0	500nt△			240m		0	75	1	F1717	FP47b
11#	FJB9317	17	20		MON	2.0%	.85*	6	8	0 0	5 0	500nt△			240m		0	70	1	F175	M210a
12#	T151D2	18			MON	1.7%	90*	4		0 0	5 0				145m		-55	125	1	F0233	M200
13#	T151D1	18			MON	1.8%	85*	4		0 0	5 0				145m		0	75	1	F0233	M200
14▼	SN54148J	18	8		MON	2.0%	80*	9		0.0	5 0	10n			190mt		-55	125	1	F181	M153d
15▼	SN54148W	18	8		MON	2 0%	80*	9		0.0	5 0	10n			190mt		-55	125	1	F181	△004AG
16▼	SN74148J	18	8		MON	2 0%	80*	9		0 0	5 0	10n			190mt		0	70	1	F181	M153d
17▼	SN74148N	18	8		MON	2 0%	80*	9		0 0	5 0	10n			190mt		0	70	1	F181	M117x
18▼	SN54LS139J	19	18		MON	2 0%	70*	3		0 0	5 0	22n			34mt		-55	125	2	F191	M153d
19▼	SN54LS139N	19	18		MON	2 0%	70*	3		0 0	5 0	22n			34mt		-55	125	2	F191	M117x
20▼	SN54LS139W	19	18		MON	2 0%	70*	3		0 0	5.0	22n			34mt		-55	125	2	F191	△004AG
21▼	SN54S139J	19	18		MON	2.0%	80*	3		0 0	5.0	7 5n			300mt		0	70	2	F191	M153d
22▼	SN54S139W	19	18		MON	2 0%	.80*	3		0 0	5 0	7 5n			300mt		0	70	2	F191	△004AG
23▼	SN74LS139J	19	18		MON	2 0%	80*	3		0 0	5 0	22n			34mt		0	70	2	F191	M153d
24▼	SN74LS139N	19	18		MON	2 0%	.80*	3		0 0	5 0	22n			34mt		0	70	2	F191	M117x
25▼	SN74LS139W	19	18		MON	2 0%	80*	3		0 0	5 0	22n			34mt		0	70	2	F191	△004AG
26▼	SN74S139J	19	18		MON	2 0%	80*	3		0.0	5 0	7 5n			300mt		0	70	2	F191	M153d
27▼	SN74S139N	19	18		MON	2 0%	80*	3		0 0	5 0	7 5n			300mt		0	70	2	F191	M117x
28	5581	21	4		PCB	2 0%	80*	4	10	0 0	5 0	35nt△			420mt		0	70	3	F212	CB62
29	9354DC	21	4		MON	2 0%	80*	4	10	0 0	5.0	35nt△			280m§		0	70	1	F213	M200J
30	9354DM	21	4		MON	2.0%	80*	4	10	0 0	5.0	35nt△			280m§		-55	125	1	F213	M200J
31	9354FC	21	4		MON	2 0%	80*	4	10	0.0	5 0	35nt△			280m§		0	70	1	F213	FP47b
32	9354FM	21	4		MON	2 0%	80*	4	10	0 0	5 0	35nt△			280m§		-55	125	1	F213	FP47b
33▼	JANM38510/01003BEA	21	4		MON	2 0%	.80*	4	10	0 0	5 5	46nt△			226m		-55	125	1	F211	M323
34	JANM38510/01003BEB	21	4		MON	2 0%	80*	4	10	0 0	5 5	46nt△			226m		-55	125	1	F211	M323
35	JANM38510/01003BEC	21	4		MON	2 0%	80*	4	10	0 0	5 5	46nt△			226m		-55	125	1	F211	M323
36	JANM38510/01003BFB	21	4		MON	2 0%	80*	4	10	0 0	5 5	46nt△			226m		-55	125	1	F211	FP93
37	JANM38510/01003BFC	21	4		MON	2 0%	80*	4	10	0.0	5 5	46nt△			226m		-55	125	1	F211	FP93
38▼	JANM38510/01003CEA	21	4		MON	2.0%	.80*	4	10	0 0	5 5	46nt△			226m		-55	125	1	F211	M323
39	JANM38510/01003CEB	21	4		MON	2 0%	80*	4	10	0 0	5 5	46nt△			226m		-55	125	1	F211	M323
40	JANM38510/01003CEC	21	4		MON	2 0%	80*	4	10	0 0	5 5	46nt△			226m		-55	125	1	F211	M323
41	JANM38510/01003CFB	21	4		MON	2.0%	80*	4	10	0 0	5 5	46nt△			226m		-55	125	1	F211	FP93
42	JANM38510/01003CFC	21	4		MON	2 0%	80*	4	10	0 0	5 5	46nt△			226m		-55	125	1	F211	FP93
43	N7444B	21	4		MON	2 0†	80*	4	10	0 0	5 0	35nt△					0	70	1	F211	M256
44	N7444E	21	4		MON	2.0†	.80*	4	10	0 0	5.0	35nt△					0	70	1	F211	M153a
45	N7444R	21	4		MON	2 0†	.80*	4	10	0 0	5.0	35nt△					0	70	1	F211	FP79a
46	S5444B	21	4		MON	2.0%	.80*	4	10	0 0	5 0	35nt△					-55	125	1	F211	M256
47	S5444R	21	4		MON	2.0%	.80*	4	10	0 0	5.0	35nt△					-55	125	1	F211	FP79a
48▼	SN54L44J	21	4		MON	2.0%	80*	4	10	0 0	5 0	70nt			70mt	1.0 △	-55	125	1	F211	M153d
49▼	SN54L44N	21	4		MON	2.0%	80*	4	10	0 0	5.0	70nt			70mt	1 0 △	-55	125	1	F211	M117x
50▼	SN74L44J	21	4		MON	2.0%	80*	4	10	0.0	5 0	70nt			70mt	1.0 △	0	70	1	F211	M153d
51▼	SN74L44N	21	4		MON	2.0%	.80*	4	10	0 0	5.0	70nt			70mt	1.0 △	0	70	1	F211	M117x
52▼	SN5444AJ	21	4		MON	2.0%	80*	4	10	0.0	5 0	30nt			140mt	1 0 △	-55	125	1	F211	M153d
53▼	SN5444AW	21	4		MON	2.0%	80*	4	10	0 0	5 0	30nt			140mt	1.0 △	-55	125	1	F211	△004AG
54▼	SN7444AJ	21	4		MON	2 0%	80*	4	10	0 0	5.0	30nt			140mt	1 0 △	0	70	1	F211	M153d
55▼	SN7444AN	21	4		MON	2.0%	80*	4	10	0 0	5 0	30nt			140mt	1 0 △	0	70	1	F211	△004AG
56	SW5444J	21	4		MON	2 0%	80*	4	10	0.0	5 0	35n△			140mt		-55	125		F0229a	M153
57	SW7444J	21	4		MON	2.0%	80*	4	10	0.0	5 0	35n△			140mt		0	70		F0229a	M153
58	SW7444N	21	4		MON	2.0%	80*	4	10	0.0	5 0	35n△			140mt		0	70	1	F0229a	M153
59#	TL7444N	21	4		MON	2 0%	.80*	4	10	0.0	5.0	35nt△			294mt		0	70	1	F0229a	M117u
60	MC5444L	21	4		MON	2 4%	40*†	4	10	0.0	5.0				140mt	1.0	-55	125	1	F211	M191
61	MC7444L	21	4		MON	2 4%	40*†	4	10	0 0	5 0				140mt	1.0	0	75	1	F211	M191
62	MC7444P	21	4		MON	2 4%	40*†	4	10	0 0	5 0				140mt	1 0	0	70	1	F211	M278
63	MC8354L	21	4		MON	2 4%	40*†	4	10	0.0	5 0	10nt			140mt		0	75	1	F211	M191
64	MC8354P	21	4		MON	2 4%	40*†	4	10	0 0	5 0	10nt			140mt		0	75	1	F211	M278
65	MC9354L	21	4		MON	2.4%	.40*†	4	10	0 0	5.0	10nt			140mt		-55	125	1	F211	M191
66▼	SN54LS138J	23	18		MON	2 0%	.70*	5		0.0	5 0	22n			32mt		-55	125	1	F231	M153d
67▼	SN54LS138N	23	18		MON	2 0%	70*	5		0 0	5 0	22n			32mt		-55	125	1	F231	M117x
68▼	SN54LS138W	23	18		MON	2.0%	.70*	5		0.0	5 0	22n			32mt		-55	125	1	F231	△004AG
69▼	SN54S138J	23	18		MON	2.0%	80*	3		0 0	5 0	8.0n			245mt		-55	125	1	F231	M153d
70▼	SN54S138W	23	18		MON	2.0%	.80*	3		0 0	5 0	8 0n			245mt		-55	125	1	F231	△004AG
71▼	SN74LS138J	23	18		MON	2 0%	80*	5		0.0	5 0	22n			32mt		0	70	1	F231	M153d
72▼	SN74LS138N	23	18		MON	2 0%	80*	5		0 0	5 0	22n			32mt		0	70	1	F231	M117x
73▼	SN74LS138W	23	18		MON	2 0%	.80*	5		0 0	5 0	22n			32mt		0	70	1	F231	△004AG
74▼	SN74S138J	23	18		MON	2 0%	.80*	3		0 0	5 0	8.0n			245mt		-55	125	1	F231	M153d
75▼	SN74S138N	23	18		MON	2 0%	80*	3		0 0	5 0	8.0n			245mt		-55	125	1	F231	M117x

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1#	ZN229			MON			DTL														
2#	ZN229E			MON	20		DTL														M126
3	MTG4		3.0M	PCB	20%	.95*	DTL	1	27	0	5	100n			1.0	1.0	0	70	16		CB37c
4	MTG20		3.0M	PCB	2.0%	95*	TTL	1	10	0	5	20n			200m	1.0	0	70	16		CB37c
5	MAG10	1	20M	PCB	50	00		3†	25	0	5	25n			310m	10	0	70	10	G013p	
6	MAG8	1	5.0M	PCB	50	0.0		4	8	0	5	35n			275m	1.0	0	70	8		
7	LCE308	1	30M	MOH	60	00†		5		6	12	25n	30n	38n	450m		-40	100	1	G0185	CN27
8	LCE410	1	3.0M	MOH	6.0	0.0†		4		6	12	25n	30n	38n	450m		-40	100	1	G0185a	M45
9#	H109D1	1		MON	80%	6.0*		5△	200	0.0	20	250n△			120m%	5.0 △	0	75	2	G02177	TO116
10#	H109D6	1		MON	8.0%	6.0*		5△	200	00	20	250n△			120m%	5.0 △	-40	85	2	G02177	TO116
11▼	MC14571AL	1		MOS	9.99%	.01*†	CMS	2	50	00	10	45n%	75n	75n	1.0u%		-55	125	4	G01248	TO116
12▼	MC14571CL,P%																				
		1		MOS	9 99%	.01*†	CMS	2	50	0.0	10	45n%	110n	110n	10u%		-40	85	4	G01248	TO116
13▼	CD4073AE	1		MOS	10	0.0†	CMS	9		0.0	10	60n%			10n%		-40	85	3		△001AB
14▼	CD4081AE	1		MOS	10	0.0†	CMS	8		0.0	10	60n%			10n%		-40	85	4		△001AB
15▼	CD4082AE	1		MOS	10	0.0†	CMS	8		0.0	10	60n%			10n%		-40	85	2		△001AB
16	RG3182P	1		MON			DTL	4		0.0	5	10n				1.1	0	75	2		M105k
17	RG3390D	1		MON			DTL	5	11	0.0	5					1.1	-55	125	2		M105m
18	RG3390K	1		MON			DTL	5	11	0.0	5					1.1	-55	125	2		FP28
19	RG3392D	1		MON			DTL	5	9	0.0	5					1.1	0	75	2		M105m
20	RG3392K	1		MON			DTL	5	9	00	5					1.1	0	75	2		FP28
21	RG3400D	1		MON			DTL	2	11	0.0	5					11	-55	125	4		M105m
22	RG3400K	1		MON			DTL	2	11	0.0	5					1.1	-55	125	4		FP28
23	RG3402D	1		MON			DTL	2	9	0.0	5					1.1	0	75	4		M105m
24	RG3402K	1		MON			DTL	2	9	0.0	5					11	0	75	4		FP28
25	SP305A	1		MON			DTL	6	1	00	5.5	35n			5.0m△	1.0 △	15	55	1		M105
26	SP306A	1		MON			DTL	3	1	00	5.5	35n			5.0m△	1.0 △	15	55	2		M105
27	SW1806M	1		MON	19%	1.2*	DTL	2	8†	0.0	80	30n			80m†	1.0	0	75	4	G01210	M105n
28	SW1806P	1		MON	19%	12*	DTL	2	8†	00	8.0	30n			80m†	1.0	0	75	4	G01210	M114
29▼	502A△	1	5.0M	PCB	20%	.45*	DTL	2	8	0.0	7.0	35n%	2.0n†	2.5n†	216m†		0	70	12		CB62
30	MC1906F	1		MON	2.6%	40*†	DTL	2	8	00	5.0	30n	10n	10n			-55	125	4	G01210	TO86
31	MC1906L	1		MON	2 6%	40*†	DTL	2	8	0.0	5.0	30n	10n	10n			-55	125	4	G01210	TO116
32	MC1907F	1		MON	2.6%	.40*†	DTL	2	7	00	5.0	35n	10n	10n			-55	125	4	G01210	TO86
33	MC1907L	1		MON	2.6%	.40*†	DTL	2	7	00	50	35n	10n	10n			-55	125	4	G01210	TO116
34	MC1806F	1		MON	2.6%	45*†	DTL	2	8	00	50	30n	10n	10n			0	75	4	G01210	TO86
35	MC1806L,P%	1		MON	2.6%	.45*†	DTL	2	8	0.0	5.0	30n	10n	10n			0	75	4	G01210	TO116
36	MC1807F	1		MON	2.6%	45*†	DTL	2	7	00	50	35n	10n	10n			0	75	4	G01210	TO86
37	MC1807L,P%	1		MON	2.6%	45*†	DTL	2	7	00	50	35n	10n	10n			0	75	4	G01210	TO116
38	K123	1	100k	PCB	50	0.0	DTL	2	15	0.0	5.0	20u	180u	180u	90m	1.6	-20	65	3		
39#	FZH251	1		MON	7.5%	4.5*	DTL	3△	10	0.0	15				360m†	50 △	0	70	4	G01234	
40#	FZH255	1		MON	7.5%	4.5*	DTL	3△	10	0.0	15				360m†	50 △	-25	85	4	G01234	
41	MC1047P	1		MON	-.75%	-16*	ECT	2	25	5.2	00	5.0n	85n	85n	130m†		0	75	4	G043k	TO116
42	MC1247F	1		MON	-.75%	-1.6*	ECT	2	25	52	00	5.0n	85n	85n	130m†		-55	125	4	G043k	TO86
43	MC1247L	1		MON	-.75%	-16*	ECT	2	25	52	0.0	5.0n	8.5n	8.5n	130m†		-55	125	4	G043k	TO116
44	MC10504F	1		MON	-.93%	-1.6*†	ECT	2		52	0.0	4.0n△	3.3n	3.3n	140m†		-55	125	4	G01232	FP85
45	MC10504L	1		MON	-.93%	-16*†	ECT	2		5.2	0.0	4 0n△	3.3n	3.3n	140m†		-55	125	4	G01232	M191
46	MC10104L	1		MON	-.96%	-16*†	ECT	2		52	0.0	2.7n%	2 0n	2.0n	140m†		-30	85	4	G01232	M191
47	MC10104P	1		MON	-.96%	-1.6*†	ECT	2		5.2	0.0	2.7n%	2.0n	2.0n	140m†		-30	85	4	G01232	M278
48#	SP490	1			-7 0%	-.79*	ECT	3		7.0	0.0	4.0n△	3.0n	3.0n		160m*	0	75	2	G01222	M146b
49	MC9723P	1		MON			RTL	2	4	00	3.6	50n%			48m†		15	55	4	G01195a	TO116
50	MC9823P	1		MON			RTL	2	4	0.0	3.6	5.0n%			48m†		0	75	4	G01195a	TO116
51	MC9713P	1	14M%	MON			RTL	2	5△	0.0	3.6	28n			100m†		15	55	4	G01195	TO116
52	MC9813P	1	14M%	MON			RTL	2	5△	0.0	3 6	28n			100m†		0	75	4	G01195	TO116
53#	FJH421	1		MON			TTL	2	10	0.0	50	13n			10m△	1.0 △	0	70	4	G04387k	
54#	GTB74S11P	1		MON			TTL	3	10	0.0	5.0	3.0n			37m△		0	70	3	G04377a	
55	MC5409L	1		MON		.40*†	TTL	2	10	0.0	5.0	15n%			70m†		-55	125	4	G01227a	TO116
56	MC7409L,P%	1		MON		.40*†	TTL	2	10	0.0	5.0	15n%			70m†		0	70	4	G01227a	TO116
57	TG80F	1		MON	1.3%	1.05*	TTL	4△	10	0.0	50	35n△			140m§	1.0 △	-55	125	2	G01243	TO86
58	TG80J	1		MON	1 3%	1.05*	TTL	4△	10	00	5.0	35n△			140m§	1.0 △	-55	125	2	G01243	M157c
59	TG81F	1		MON	1.3%	1.05*	TTL	4△	10	0.0	5.0	35n△			140m§	1 0 △	-55	125	2	G01243	TO86
60	TG81J	1		MON	1 3%	1.05*	TTL	4△	10	0.0	5.0	35n△			140m§	1.0 △	-55	125	2	G01243	M157c
61	TG82F	1		MON	1.3%	1.05*	TTL	4△	10	0.0	5.0	35n△			155m§	1.0 △	0	75	2	G01243	TO86
62	TG82J	1		MON	1.3%	1.05*	TTL	4△	10	0.0	50	35n△			155m§	1 0 △	0	75	2	G01243	M157c
63	TG83F	1		MON	1 3%	1.05*	TTL	4△	10	0.0	5.0	35n△			155m§	1 0 △	0	75	2	G01243	TO86
64	TG83J	1		MON	1.3%	1.05*	TTL	4△	10	0.0	5.0	35n△			155m§	1.0 △	0	75	2	G01243	M157c
65	9005DM	1		MON	1.7%	.90*	TTL	4	11	00	5.0	14n			64m†		-55	125	2	G01188	M157
66	9005FM	1		MON	1 7%	90*	TTL	4	11	0.0	50	14n			64m†		-55	125	2	G01188	FP28b
67	9008DM	1		MON	1.7%	.90*	TTL	9	11	0.0	5.0	14n			55m†		-55	125	2	G01190	M157
68	9008FM	1		MON	1.7%	.90*	TTL	9	11	0.0	50	14n			55m†		-55	125	2	G01190	FP28b
69#	MIC9005-1D	1		MON	1 7%	.90*	TTL	4	11	0.0	50	14n			64m†	400m	0	75	2	G01188	M153a
70#	MIC9008-1D	1		MON	1.7%	.90*	TTL	9	11	0.0	5.0	14n			55m†		0	75	2	G01190	M153a
71	9005DC	1		MON	1.8%	.85*	TTL	4	10	0.0	5.0	14n			75m†		0	75	2	G01188	M157
72	9005FC	1		MON	1.8%	.85*	TTL	4	10	00	5.0	14n			75m†		0	75	2	G01188	FP28b
73	9008DC	1		MON	1.8%	.85*	TTL	9	10	0.0	5.0	14n			70m†		0	75	2	G01190	M157
74	9008FC	1		MON	1.8%	.85*	TTL	9	10	00	50	14n			70m†		0	75	2	G01190	FP28b
75#	MIC9005-5D	1		MON	1.8%	.85*	TTL	4	10	0.0	5.0	14n			75m†	400m	0	75	2	G01188	M153a
76#	MIC9008-5D	1		MON	1.8%	.85*	TTL	9	10	0.0	5.0	14n			70m†	400m	0	75	1	G01190	M153a
77▼	5512A	1	40M	PCB	2.0%	45*	TTL	2	12	0.0	7.0	9.0n%	2.0n†	2.5n†	264m†		0	70	12		CB62
78▼	5515A	1	40M	PCB	2.0%	.45*	TTL	4	12	0.0	7.0	9.0n%	2 0n†	2.5n†	224m†		0	70	8		CB62
79▼	5517A	1	40M	PCB	2.0%	45*	TTL	2	25	0.0	7.0	9.0n%	2.0n†	2.5n†	540m†		0	70	12		CB62
80♦#	GJH261	1		MON	2.0%	.80*	TTL	9	10	00	5.0	12n△			120m†		0	70	3	G01153a	M126n
81	ITT5450J	1			2.0%	.80*	TTL	6△	10	00	50	22n△			20m†		-55	125	2	G01193a	M157
82	ITT5451J	1			2 0%	.80*	TTL	4	10	0.0	5.0	22n△			20m†		-55	125	2	G01193c	M157
83	ITT5453J	1			2.0%	.80*	TTL	10△	10	0.0	5.0	22n△			10m†		-55	125	1	G01194a	M157
84	ITT5454J	1			2.0%	.80*	TTL	8	10	0.0	50	26n			10m†		-55	125	1	G01194c	M157
85	ITT7450J	1			2.0%	.80*	TTL	6△	10	0.0	5.0	22n△			20m†		0	70	2	G01193a	M157
86	ITT7451J	1			2.0%	.80*	TTL	4	10	0.0	5.0	22n△			20m†		0	70	2	G01193c	M157
87	ITT7453J	1			2.0%	.80*	TTL	10△	10	0.0	5.0	22n△			10m†		0	70	1	G01194a	M157
88	ITT7454J	1			2 0%	.80*	TTL	8	10	00	50	26n			10m†		0	70	1	G01194c	M157
89	JANM38510/01601BAA																				
90	JANM38510/01601BAB	1		MON	2.0%	.80*	TTL	2	10	0.0	55	40n△			200m		-55	125	4	G01237	FP52d
		1		MON	20%	80*	TTL	2	10	00	5.5	40n△			200m		-55	125	4	G01237	FP52d
91	JANM38510/01601BAC																				
92	JANM38510/01601BCA	1		MON	2.0%	80*	TTL	2	10	00	55	40n△			200m		-55	125	4	G01237	FP52d
93	JANM38510/01601BCB	1		MON	2.0%	.80*	TTL	2	10	0.0	55	40n△			200m		-55	125	4	G01237	M314
		1		MON	20%	80*	TTL	2	10	00	5.5	40n△			200m		-55	125	4	G01237	M314
94	JANM38510/01601BCC																				
95▼	JANM38510/01601BDB	1		MON	20%	.80*	TTL	2	10	00	5.5	40n△			200m		-55	125	4	G01237	M314
96	JANM38510/01601CAA	1		MON	20%	80*	TTL	2	10	00	5.5	40n△			200m		-55	125	4	G01237	FP83
		1		MON	20%	80*	TTL	2	10	00	5.5	40n△			200m		-55	125	4	G01237	FP52d
97	JANM38510/01601CAB																				
98	JANM38510/01601CAC	1		MON	20%	80*	TTL	2	10	0.0	5.5	40n△			200m		-55	125	4	G01237	FP52d
		1		MON	20%	80*	TTL	2	10	00	55	40n△			200m		-55	125	4	G01237	FP52d

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	JANM38510/01601CCA	1		MON	2.0%	80*	TTL	2	10	0.0	5 5	40nΔ			200m		-55	125	4	G01237	M314
2	JANM38510/01601CCB	1		MON	2.0%	80*	TTL	2	10	0.0	5.5	40nΔ			200m		-55	125	4	G01237	M314
3	JANM38510/01601CCC	1		MON	2.0%	80*	TTL	2	10	0.0	5.5	40nΔ			200m		-55	125	4	G01237	M314
4▼	JANM38510/01601CDB	1		MON	2 0%	80*	TTL	2	10	0 0	5.5	40nΔ			200m		-55	125	4	G01237	FP83
5	JANM38510/01602BAA	1		MON	2 0%	.80*	TTL	2	10	0.0	5.5	49nΔ			200m		-55	125	4	G01238	FP52d
6	JANM38510/01602BAB	1		MON	2.0%	.80*	TTL	2	10	0.0	5.5	49nΔ			200m		-55	125	4	G01238	FP52d
7	JANM38510/01602BAC	1		MON	2 0%	.80*	TTL	2	10	0 0	5.5	49nΔ			200m		-55	125	4	G01238	FP52d
8	JANM38510/01602BCA	1		MON	2.0%	.80*	TTL	2	10	0 0	5 5	49nΔ			200m		-55	125	4	G01238	M314
9	JANM38510/01602BCB	1		MON	2.0%	80*	TTL	2	10	0.0	5.5	49nΔ			200m		-55	125	4	G01238	M314
10	JANM38510/01602BCC	1		MON	2 0%	.80*	TTL	2	10	0.0	5.5	49nΔ			200m		-55	125	4	G01238	M314
11▼	JANM38510/01602BDB	1		MON	2 0%	80*	TTL	2	10	0 0	5.5	49nΔ			200m		-55	125	4	G01238	FP83
12	JANM38510/01602CAA	1		MON	2.0%	80*	TTL	2	10	0.0	5.5	49nΔ			200m		-55	125	4	G01238	FP52d
13	JANM38510/01602CAB	1		MON	2 0%	80*	TTL	2	10	0.0	5.5	49nΔ			200m		-55	125	4	G01238	FP52d
14	JANM38510/01602CAC	1		MON	2 0%	80*	TTL	2	10	0 0	5.5	49nΔ			200m		-55	125	4	G01238	FP52d
15	JANM38510/01602CCA	1		MON	2.0%	80*	TTL	2	10	0.0	5 5	49nΔ			200m		-55	125	4	G01238	M314
16	JANM38510/01602CCB	1		MON	2.0%	80*	TTL	2	10	0.0	5.5	49nΔ			200m		-55	125	4	G01238	M314
17	JANM38510/01602CCC	1		MON	2.0%	80*	TTL	2	10	0 0	5 5	49nΔ			200m		-55	125	4	G01238	M314
18▼	JANM38510/01602CDB	1		MON	2 0%	.80*	TTL	2	10	0.0	5 5	49nΔ			200m		-55	125	4	G01238	FP83
19#	MIC74H11J	1		MON	2 0%	.80*	TTL	3	10	0.0	7.0	8.0n%				1.0 Δ	0	75	3	G01153a	M157
20#	MIC74H21J	1		MON	2.0%	.80*	TTL	4	10	0 0	7.0	8 0n%				1.0 Δ	0	75	2	G01153	M157
21#	MIC5408J	1		MON	2 0%	80*	TTL	2	10	0.0	5.0	27nΔ			130m%		-55	125	4	G04414	TO116
22#	MIC5409AJ	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			130m%		-55	125	4	G04401	TO116
23#	MIC5409J	1		MON	2.0%	80*	TTL	2	10	0 0	5 0	32nΔ			130m%		-55	125	4	G04401	TO116
24#	MIC5411J	1		MON	2 0%	.80*	TTL	3	10	0.0	5.0	32nΔ			100m%		-55	125	3		TO116
25#	MIC5421J	1		MON	2 0%	80*	TTL	4	10	0 0	5 0	32nΔ			65m%		-55	125	2		TO116
26#	MIC6408J	1		MON	2.0%	80*	TTL	2	10	0 0	5 0	27nΔ			130m%		-40	85	4	G04414	TO116
27#	MIC6409AJ	1		MON	2 0%	.80*	TTL	2	10	0.0	5.0	32nΔ			130m%		-40	85	4	G04401	TO116
28#	MIC6409J	1		MON	2.0%	80*	TTL	2	10	0.0	5 0	32nΔ			130m%		-40	85	4	G04401	TO116
29#	MIC6411J	1		MON	2.0%	.80*	TTL	3	10	0 0	5.0	32nΔ			100m%		-40	85	3		TO116
30#	MIC6421J	1		MON	2.0%	80*	TTL	4	10	0.0	5 0	32nΔ			65m%		-40	85	2		TO116
31#	MIC7408J	1		MON	2 0%	80*	TTL	2	10	0.0	5.0	27nΔ			130m%		0	75	4	G04414	TO116
32#	MIC7408N	1		MON	2 0%	80*	TTL	2	10	0 0	5 0	27nΔ			130m%		0	75	4	G04414	M126
33#	MIC7409AJ	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			130m%		0	75	4	G04401	TO116
34#	MIC7409AN	1		MON	2 0%	80*	TTL	2	10	0 0	5 0	32nΔ			130m%		0	75	4	G04401	M126
35#	MIC7409J	1		MON	2 0%	80*	TTL	2	10	0 0	5 0	32nΔ			130m%		0	75	4	G04401	TO116
36#	MIC7409N	1		MON	2.0%	80*	TTL	2	10	0 0	5 0	32nΔ			130m%		0	75	4	G04401	M126
37#	MIC7411J	1		MON	2 0%	.80*	TTL	3	10	0.0	5.0	32nΔ			100m%		0	75	3		TO116
38#	MIC7411N	1		MON	2.0%	.80*	TTL	3	10	0 0	5.0	32nΔ			100m%		0	75	3		M126
39#	MIC7421J	1		MON	2 0%	.80*	TTL	4	10	0.0	5.0	32nΔ			65m%		0	75	2		TO116
40#	MIC7421N	1		MON	2 0%	.80*	TTL	4	10	0.0	5.0	32nΔ			65m%		0	75	2		M126
41#	MIC54130J	1		MON	2.0%	80*	TTL	2	54	0 0	5 0	35nΔ	10n	4.0n	155mt		-55	125	4	G01236	TO116
42#	MIC54131J	1		MON	2.0%	.80*	TTL	2	54	0.0	5 0	35nΔ	10n	4.0n	155mt		-55	125	4	G01236	TO116
43#	MIC64130J	1		MON	2.0%	80*	TTL	2	54	0.0	5.0	35nΔ	10n	4.0n	155mt		-40	85	4	G01236	TO116
44#	MIC64131J	1		MON	2.0%	80*	TTL	2	54	0.0	5.0	35nΔ	10n	4 0n	155mt		-40	85	4	G01236	TO116
45#	MIC74130J	1		MON	2.0%	.80*	TTL	2	54	0 0	5 0	35nΔ	10n	4.0n	155mt		0	75	4	G01236	TO116
46#	MIC74130N	1		MON	2.0%	.80*	TTL	2	54	0 0	5 0	35nΔ	10n	4 0n	155mt		0	75	4	G01236	TO116
47#	MIC74131J	1		MON	2.0%	80*	TTL	2	54	0 0	5 0	35nΔ	10n	4.0n	155mt		0	75	4	G01236	TO116
48#	MIC74131N	1		MON	2 0%	.80*	TTL	2	54	0.0	5.0	35nΔ	10n	4.0n	155mt		0	75	4	G01236	TO116
49	N74H08A	1		MON	2 0%	80*	TTL	2	10	0.0	5 0	12n%					0	70	4	G01183b	TO116
50	N74H08Q	1		MON	2 0%	.80*	TTL	2	10	0 0	5.0	12n%					0	70	4	G01183b	TO88
51	N74H11A	1			2 0%	.80*	TTL	3	10	0.0	5.0	8 8n			249m%		0	70	3	G01197	M105q
52	N74H11Q	1			2 0%	80*	TTL	3	10	0.0	5.0	8.8n			249m%		0	70	3	G01197	TO88
53	N74H21A	1			2 0%	80*	TTL	4	10	0.0	5 0	8.8n			166m%		0	70	2	G01197a	M105q
54	N74H21Q	1			2 0%	80*	TTL	4	10	0.0	5 0	8 8n			166m%		0	70	2	G01197a	TO88
55	N7408A	1		MON	2 0%	.80*	TTL	2	10	0 0	5 0	27n					0	70	4		TO116
56	N7408Q	1		MON	2 0%	80*	TTL	2	10	0 0	5 0	27n					0	70	4		TO88
57	N7409A	1		MON	2 0%	.80*	TTL	2	10	0.0	5 0	32nΔ					0	70	4	G04401	TO116
58	N7409Q	1		MON	2.0%	80*	TTL	2	10	0.0	5 0	32nΔ					0	70	4	G04401	TO88
59	N7411A	1		MON	2 0%	80*	TTL	3		0.0	5 0	27n					0	70	3	G01225a	TO116
60	N7411Q	1		MON	2.0%	80*	TTL	3		0.0	5.0	27n					0	70	3	G01225a	TO88
61	N7421A	1		MON	2 0%	80*	TTL	4	10	0.0	5.0	27nΔ					0	70	2	G01225	TO116
62	N7421J	1		MON	2 0%	80*	TTL	4	10	0 0	5.0	27nΔ					0	70	2	G01225	TO88
63	NC74H11N	1		MON	2 0%	80*	TTL	3	10	0.0	7 0	15nΔ				1.0 Δ	0	70	3	G01153a	M126
64	NC74H21N	1		MON	2.0%	80*	TTL	4	10	0 0	7 0	15nΔ				1 0 Δ	0	70	2	G01153	M126
65	S54H08A	1		MON	2 0%	80*	TTL	2	10	0.0	5 0	12n%					-55	125	4	G01183b	TO116
66	S54H08Q	1		MON	2.0%	.80*	TTL	2	10	0.0	5 0	12n%					-55	125	4	G01183b	TO88
67	S54H11A	1			2 0%	.80*	TTL	3	10	0.0	5 0	8 8n			264m%		-55	125	3	G01197	M105q
68	S54H11Q	1			2.0%	.80*	TTL	3	10	0 0	5 0	8.8n			264m%		-55	125	3	G01197	TO88
69	S54H21A	1			2 0%	80*	TTL	4	10	0 0	5 0	8.8n			176m%		-55	125	2	G01197a	M105q
70	S54H21Q	1			2.0%	80*	TTL	4	10	0.0	5.0	8 8n			176m%		-55	125	2	G01197a	TO88
71	S5408A	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	27n					-55	125	4		TO116
72	S5408Q	1		MON	2 0%	.80*	TTL	2	10	0.0	5.0	27n					-55	125	4		TO88
73	S5409A	1		MON	2.0%	80*	TTL	2	10	0.0	5.0	32nΔ					-55	125	4	G04401	TO116
74	S5409F	1		MON	2 0%	80*	TTL	2	10	0 0	5 0	32nΔ					-55	125	4	G04401	M157
75	S5409Q	1		MON	2 0%	80*	TTL	2	10	0.0	5.0	32nΔ					-55	125	4	G04401	TO88
76	S5411A	1		MON	2 0%	80*	TTL	3		0.0	5 0	27n					-55	125	3	G01225a	TO116
77	S5411Q	1		MON	2.0%	80*	TTL	3		0.0	5 0	27n					-55	125	3	G01225a	TO88
78	S5421A	1		MON	2 0%	.80*	TTL	4	10	0.0	5 0	27nΔ					-55	125	2	G01225	TO116
79	S5421J	1		MON	2 0%	80*	TTL	4	10	0.0	5 0	27nΔ					-55	125	2	G01225	TO88
80#	SFC408E	1		MON	2 0%	.80*	TTL	2	10	0.0	5 0	27nΔ			130m%	400m	0	70	4	G04414	TO116
81#	SFC408EM	1		MON	2 0%	80*	TTL	2	10	0.0	5.0	27nΔ			130m%	400m	-55	125	4	G04414	TO116
82#	SFC408ET	1		MON	2.0%	80*	TTL	2	10	0 0	5 0	27nΔ			130m%	400m	-25	85	4	G04414	TO116
83#	SFC408EV	1		MON	2.0%	80*	TTL	2	10	0 0	5.0	27nΔ			130m%	400m	-40	85	4	G04414	TO116
84#	SFC408P	1		MON	2.0%	80*	TTL	2	10	0 0	5 0	27nΔ			130m%	400m	0	70	4	G04414	TO85
85#	SFC408PM	1		MON	2 0%	80*	TTL	2	10	0 0	5 0	27nΔ			130m%	400m	-55	125	4	G04414	TO85
86#	SFC409E	1		MON	2 0%	80*	TTL	2	10	0 0	5 0	32nΔ			130m%	400m	0	70	4	G04401	TO116
87#	SFC409EM	1		MON	2 0%	.80*	TTL	2	10	0 0	5 0	32nΔ			130m%	400m	-55	125	4	G04401	TO116
88#	SFC409ET	1		MON	2 0%	80*	TTL	2	10	0.0	5 0	32nΔ			130m%	400m	-25	85	4	G04401	TO116
89#	SFC409EV	1		MON	2.0%	80*	TTL	2	10	0 0	5 0	32nΔ			130m%	400m	-40	85	4	G04401	TO116
90#	SFC409P	1		MON	2.0%	80*	TTL	2	10	0 0	5.0	32nΔ			130m%	400m	0	70	4	G04401	TO85
91#	SFC409PM	1		MON	2.0%	80*	TTL	2	10	0 0	5.0	32nΔ			130m%	400m	-55	125	4	G04401	TO85
92#	SFC411HE	1		MON	2 0%	80*	TTL	3	20	0.0	5 0	12nΔ			60mt	400m	0	70	3	G0414a	TO116

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1#	SFC411HEM	1		MON	20%	80*	TTL	3	20	00	50	12nΔ			60mt	400m	-55	125	3	G0414a	TO116
2#	SFC411HP	1		MON	20%	.80*	TTL	3	20	00	50	12nΔ			60mt	400m	0	70	3	G0414a	TO85
3#	SFC411HPM	1		MON	20%	.80*	TTL	3	20	00	50	12nΔ			60mt	400m	-55	125	3	G0414a	TO85
4#	SFC421HE	1		MON	20%	80*	TTL	4	10	00	5.0	12nΔ				1.0 Δ	0	70	2		TO116
5#	SFC421HEM	1		MON	20%	80*	TTL	4	10	00	50	12nΔ				10 Δ	-55	125	2		TO116
6♦	SN54H11J	1		MON	20%	80*	TTL	3	10	0	7	15nΔ				10 Δ	-55	125	3	G01153a	M157b
7	SN54H11N	1		MON	20%	80*	TTL	3	10	0	7	15nΔ				1.0 Δ	-55	125	3	G01153a	M126
8♦	SN54H11W	1		MON	20%	80*	TTL	3	10	00	50	15nΔ			120mt	10 Δ	-55	125	3	G01153a	Δ004AA
9♦	SN54H15J	1		MON	20%	80*	TTL	3	10	00	5.0	12n			265m	10	-55	125	3	G01227	M157b
10♦	SN54H15W	1		MON	20%	80*	TTL	3	10	00	50	12n			265m	10	-55	125	3	G01227	Δ004AA
11♦	SN54H21J	1		MON	20%	80*	TTL	4	10	0	7	15nΔ				10 Δ	-55	125	2	G01153	M157b
12	SN54H21N	1		MON	20%	80*	TTL	4	10	0	7	15nΔ				10 Δ	-55	125	2	G01153	M126
13♦	SN54H21W	1		MON	20%	80*	TTL	4	10	00	50	15nΔ			80mt	10 Δ	-55	125	2	G01153	Δ004AA
14▼	SN54S08J	1		MON	20%	80*	TTL	2	10	00	50	4.5n			314m	10 Δ	-55	125	4	G01249a	Δ001AA
15▼	SN54S08W	1		MON	20%	.80*	TTL	2	10	00	50	4.5n			314m	10 Δ	-55	125	4	G01249a	Δ004AA
16▼	SN54S09J	1		MON	20%	.80*	TTL	2	10	00	5.0	6.5n			314m	10 Δ	-55	125	4	G01249	Δ001AA
17▼	SN54S09W	1		MON	20%	80*	TTL	2	10	00	50	6.5n			314m	10 Δ	-55	125	4	G01249	Δ004AA
18	SN54S11J	1		MON	20%	.80*	TTL	3	20	00	5.0	5.0n			96mt	10 Δ	-55	125	3	G01183a	M157b
19	SN54S11W	1		MON	20%	80*	TTL	3	20	00	50	5.0n			96mt	10 Δ	-55	125	3	G01183a	Δ004AA
20	SN54S15J	1		MON	20%	80*	TTL	3	10	00	50	6.0n			87mt	10 Δ	-55	125	3	G01183c	M157b
21	SN54S15W	1		MON	20%	80*	TTL	3	10	00	50	6.0n			87mt	10 Δ	-55	125	3	G01183c	Δ004AA
22♦	SN74H11J	1		MON	20%	.80*	TTL	3	10	0	7	15nΔ				10 Δ	0	70	3	G01153a	M157b
23♦	SN74H11N	1		MON	20%	.80*	TTL	3	10	0	7	15nΔ				10 Δ	0	70	3	G01153a	M126e
24	SN74H11W	1		MON	20%	80*	TTL	3	10	00	50	15nΔ			120mt	10 Δ	0	70	3	G01153a	TO84
25♦	SN74H15J	1		MON	20%	80*	TTL	3	10	00	50	12n			250m	10	0	70	3	G01227	M157b
26♦	SN74H15N	1		MON	20%	80*	TTL	3	10	00	50	12n			250m	10	0	70	3	G01227	M126e
27♦	SN74H21J	1		MON	20%	.80*	TTL	4	10	0	7	15nΔ				10 Δ	0	70	2	G01153	M157b
28♦	SN74H21N	1		MON	20%	80*	TTL	4	10	0	7	15nΔ				10 Δ	0	70	2	G01153	M126e
29	SN74H21W	1		MON	20%	80*	TTL	4	10	00	50	15nΔ			80mt	10 Δ	0	70	2	G01153	TO84
30▼	SN74S08J	1		MON	20%	80*	TTL	2	10	00	50	4.5n			314m	10 Δ	0	70	4	G01249a	Δ001AA
31▼	SN74S08N	1		MON	20%	80*	TTL	2	10	00	50	4.5n			314m	10 Δ	0	70	4	G01249a	Δ004AA
32♦	SN74S09J	1		MON	20%	80*	TTL	2	10	00	50	6.5n			314m	10 Δ	0	70	4	G01249	Δ001AA
33▼	SN74S09N	1		MON	20%	.80*	TTL	2	10	00	50	6.5n			314m	10 Δ	0	70	4	G01249	Δ004AA
34	SN74S11J	1		MON	20%	80*	TTL	3	20	00	50	5.0n			96mt	10 Δ	0	70	3	G01183a	M157b
35	SN74S11N	1		MON	20%	.80*	TTL	3	20	00	50	5.0n			96mt	10 Δ	0	70	3	G01183a	M126e
36	SN74S11W	1		MON	20%	.80*	TTL	3	20	00	5.0	5.0n			96mt	10 Δ	0	70	3	G01183a	Δ004AA
37	SN74S15J	1		MON	20%	.80*	TTL	3	10	00	50	6.0n			87mt	10 Δ	0	70	3	G01183c	M157b
38	SN74S15N	1		MON	20%	80*	TTL	3	10	00	50	6.0n			87mt	10 Δ	0	70	3	G01183c	M126e
39	SN74S15W	1		MON	20%	.80*	TTL	3	10	00	50	6.0n			87mt	10 Δ	0	70	3	G01183c	Δ004AA
40	TG54S08F	1		MON	20%	80*	TTL	2	20	00	50	7.5nΔ			70m§		-55	125	4	G01153b	TO86
41	TG54S08J	1		MON	20%	80*	TTL	2	20	00	50	7.5nΔ			70m§		-55	125	4	G01153b	M157c
42	TG54S09F	1		MON	20%	80*	TTL	2	20	00	50	9.0nΔ			70m§		-55	125	4	G01183	TO86
43	TG54S09J	1		MON	20%	80*	TTL	2	20	0.0	50	9.0nΔ			70m§		-55	125	4	G01183	M157c
44	TG54S11F	1		MON	20%	80*	TTL	3	20	00	50	7.5nΔ			70m§		-55	125	3	G01183a	TO86
45	TG54S11J	1		MON	20%	.80*	TTL	3	20	00	50	7.5nΔ			70m§		-55	125	3	G01183a	M157c
46	TG54S15F	1		MON	20%	.80*	TTL	3	20	0.0	50	9.0nΔ			70m§		-55	125	3	G01183a	TO86
47	TG54S15J	1		MON	20%	80*	TTL	3	20	00	50	9.0nΔ			70m§		-55	125	3	G01183a	M157c
48	TG54S21F	1		MON	20%	.80*	TTL	4	20	00	50	7.5nΔ			70m§		-55	125	2	G01153	TO86
49	TG54S21J	1		MON	20%	80*	TTL	4	20	0.0	50	7.5nΔ			70m§		-55	125	2	G01153	M157c
50	TG74S08F	1		MON	20%	80*	TTL	2	20	00	5.0	7.5nΔ			70m§		0	70	4	G01153b	TO86
51	TG74S08J	1		MON	20%	.80*	TTL	2	20	00	50	7.5nΔ			70m§		0	70	4	G01153b	M157c
52	TG74S09F	1		MON	20%	.80*	TTL	2	20	00	5.0	9.0nΔ			70m§		0	70	4	G01183	TO86
53	TG74S09J	1		MON	20%	80*	TTL	2	20	00	50	9.0nΔ			70m§		0	70	4	G01183	M157c
54	TG74S11F	1		MON	20%	.80*	TTL	3	20	00	5.0	7.5nΔ			70m§		0	70	3	G01183a	TO86
55	TG74S11J	1		MON	20%	80*	TTL	3	20	00	50	7.5nΔ			70m§		0	70	3	G01183a	M157c
56	TG74S15F	1		MON	20%	80*	TTL	3	20	00	50	9.0nΔ			70m§		0	70	3	G01183a	TO86
57	TG74S15J	1		MON	20%	80*	TTL	3	20	00	5.0	9.0nΔ			70m§		0	70	3	G01183a	M157c
58	TG74S21F	1		MON	20%	80*	TTL	4	20	00	50	7.5nΔ			70m§		0	70	2	G01153	TO86
59	TG74S21J	1		MON	20%	.80*	TTL	4	20	00	50	7.5nΔ			70m§		0	70	2	G01153	M157c
60#	TL7408N	1		MON	20%	80*	TTL	2	10	0.0	50	27nΔ			141mt		0	70	4	G04414	M126n
61#	TL7409N	1		MON	20%	80*	TTL	2	10	00	50	32nΔ			141mt		0	70	4	G04401	M126n
62#	TL8408N	1		MON	20%	.80*	TTL	2	10	00	5.0	27nΔ			141mt		-25	85	4	G04414	M126n
63	US54H08A	1		MON	20%	80*	TTL	2	10	00	50	15nΔ	10n	10n		10 Δ	-55	125	4	G01153b	M105b
64	US54H08J	1		MON	20%	.80*	TTL	2	10	00	50	15nΔ	10n	10n		1.0 Δ	-55	125	4	G01153b	TO88
65	US54H11A	1		MON	20%	80*	TTL	3	10	0.0	50	15nΔ	10n	10n		10 Δ	-55	125	3	G01153a	M105b
66	US54H11J	1		MON	20%	.80*	TTL	3	10	00	5.0	15nΔ	10n	10n		1.0 Δ	-55	125	3	G01153a	TO88
67	US54H21A	1		MON	20%	.80*	TTL	4	10	0.0	50	15nΔ	45n	10n		10 Δ	-55	125	2	G01153	M105b
68	US54H21J	1		MON	20%	80*	TTL	4	10	00	50	15nΔ	45n	10n		1.0 Δ	-55	125	2	G01153	TO88
69	US74H08A	1		MON	20%	80*	TTL	2	10	00	50	15nΔ	10n	10n		10 Δ	0	70	4	G01153b	M105b
70	US74H08J	1		MON	20%	80*	TTL	2	10	00	50	15nΔ	10n	10n		10 Δ	0	70	4	G01153b	TO88
71	US74H11A	1		MON	20%	.80*	TTL	3	10	00	50	15nΔ	10n	10n		10 Δ	0	70	3	G01153a	M105b
72	US74H11J	1		MON	20%	.80*	TTL	3	10	0.0	50	15nΔ	10n	10n		10 Δ	0	70	3	G01153a	TO88
73	US74H21A	1		MON	20%	80*	TTL	4	10	0.0	5.0	15nΔ	45n	10n		10 Δ	0	70	2	G01153	M105b
74	US74H21J	1		MON	20%	80*	TTL	4	10	00	5.0	15nΔ	45n	10n		1.0 Δ	0	70	2	G01153	TO88
75	US5408A	1		MON	20%	.80*	TTL	2	10	00	50	16n	18n	8 0n			-55	125	4	G01202	M105b
76	US5408J	1		MON	20%	80*	TTL	2	10	0.0	5.0	16n	18n	8 0n			-55	125	4	G01202	TO88
77	US5411A	1		MON	20%	80*	TTL	3	10	00	50	16n	18n	8 0n			-55	125	3	G01202a	M105b
78	US5411J	1		MON	20%	80*	TTL	3	10	00	50	16n	18n	8 0n			-55	125	3	G01202a	TO88
79	US7408A	1		MON	20%	80*	TTL	2	10	00	50	16n	18n	8.0n			0	70	4	G01202	M105b
80	US7408J	1		MON	20%	80*	TTL	2	10	00	5.0	16n	18n	8 0n			0	70	4	G01202	TO88
81	US7411A	1		MON	20%	80*	TTL	3	10	00	50	16n	18n	8 0n			0	70	3	G01202a	M105b
82	US7411J	1		MON	20%	80*	TTL	3	10	00	50	16n	18n	8 0n			0	70	3	G01202a	TO88
83#	FLH381-7408	1	4 0M	MON	20%	80*	TTL	2	10	00	50	27nΔ			130m§	10 Δ	0	70	4	G04414	M126p
84#	FLH385-8408	1	4 0M	MON	20%	80*	TTL	2	10	00	50	27nΔ			130m§	10 Δ	-25	85	4	G04414	M126p
85#	FLH391-7409	1	4 0M	MON	20%	80*	TTL	2	10	00	50	32nΔ			130m§	10 Δ	0	70	4	G04401	M126p
86#	FLH395-8409	1	4 0M	MON	20%	80*	TTL	2	10	00	50	32nΔ			130m§	10 Δ	-25	85	4	G04401	M126p
87	MC3001F	1		MON	24%	40*†	TTL	2	10	00	50	9.0n			112mt		0	75	4	G01183	TO86
88	MC3001L,P%	1		MON	24%	40*†	TTL	2	10	00	5.0	9.0n			112mt		0	75	4	G01183	TO116
89	MC3101F	1		MON	24%	40*†	TTL	2	10	00	50	9.0n			112mt		-55	125	4	G01183	TO86
90	MC3101L	1		MON	24%	40*†	TTL	2	10	00	50	9.0n			112mt		-55	125	4	G01183	TO116
91	MC3106F	1		MON	24%	40*†	TTL	3	10	00	50	9.0n			84mt		-55	125	3	G01183a	TO86
92	MC3106L	1		MON	24%	40*†	TTL	3	10	00	50	9.0n			84mt		-55	125	3	G01183a	TO116
93	MC3111F	1		MON	24%	40*†	TTL	4	10	00	50	9.0n			56mt		-55	125	2	G04419	TO86
94	MC3111L	1		MON	24%	40*†	TTL	4	10	00	50	9.0n			56mt		-55	125	2	G04419	TO116
95	MC3126F	1		MON	24%	40*†	TTL	4	20	00	50	9.0n			90mt		-55	125	2	G01185	TO86
96	MC3126L	1		MON	24%	40*†	TTL	4	20	00	50	9.0n			90mt		-55	125	2	G01185	TO116
97	MC5408L	1		MON	24%	40*†	TTL	2	10	00	50	15n%			70mt		-55	125	4	G01227	TO116
98	MC7408L,P%	1		MON	24%	40*†	TTL	2	10	00	50	15n%			70mt		0	70	4	G01227b	TO116
99	MC427F	1		MON	24%	45*†	TTL	5Δ	12	00	5.0	10n			38m		0	75	2	G01209	TO86
100	MC427L	1		MON	24%	45*†	TTL	5Δ	12	00	50	10n			38m		0	75	2	G01209	TO116
101	MC427L,P%	1		MON	24%	45*†	TTL	5Δ	12	00	50	10n			38m		0	75	2	G01209	TO116
102	MC427P	1		MON	24%	45*†	TTL	5Δ	12	00	5.0	10n			38m		0	75	2	G01209	M114
103	MC477F	1		MON	24%	45*†	TTL	5Δ	6	00	50	10n			38m		0	75	2	G01209	TO86
104	MC477L,P%	1		MON	24%	45*†	TTL	5Δ	6	00	50	10n			38m		0	75	2	G01209	TO116
105	MC527F	1		MON	24%	45*†	TTL	5Δ	15	0.0	50	10n			38m		-55	125	2	G01209	TO86
106	MC527L	1		MON	24%	45*†	TTL	5Δ	15	00	5.0	10n			38m		-55	125	2	G01209	TO116
107	MC577F	1		MON	24%	45*†	TTL	5Δ	7	00	50	10n			38m		-55	125	2	G01209	TO86
108	MC577L	1		MON	24%	45*†	TTL	5Δ	7	00	50	10n			38m		-55	125	2	G01209	TO116
109	MC3006F	1		MON	25%	40*†	TTL	3	10	00	50	9.0n			84mt		0	75	3	G01183a	TO86
110	MC3006L,P%	1		MON	25%	40*†	TTL	3	10	00	50	9.0n			84mt		0	75	3	G01183	TO116

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	MC3011F	1		MON	2 5%	40*†	TTL	4	10	0 0	5 0	9 0n			56m†		0	75	2	G04419	TO86
2	MC3011L,P%	1		MON	2 5%	40*†	TTL	4	10	0 0	5.0	9.0n			56m†		0	75	2	G04419	TO116
3	MC3026F	1		MON	2 5%	40*†	TTL	4	20	0 0	5 0	9 0n			90m†		0	75	2	G01185	TO86
4	MC3026L,P%	1		MON	2 5%	40*†	TTL	4	20	0 0	5 0	9 0n			90m†		0	75	2	G01185	TO116
5	54R11	1			2 7	40	TTL	3	10	0 0	5 0	10n					-55	125			
6	MC526F	1		MON	2 9%	45*†	TTL		16	0.0	5 0	15n			60m		-55	125	2	G01208	TO86
7	MC526L	1		MON	2 9%	45*†	TTL		16	0 0	5 0	15n			60m		-55	125	2	G01208	TO116
8	MC576F	1		MON	2 9%	45*†	TTL		8	0 0	5.0	15n			60m		-55	125	2	G01208	TO86
9	MC576L	1		MON	2 9%	45*†	TTL		8	0.0	5 0	15n			60m		-55	125	2	G01208	TO116
10	MC426F	1		MON	3 0%	45*†	TTL		13	0 0	5 0	15n			60m		0	75	2	G01208	TO86
11	MC426L,P%	1		MON	3 0%	45*†	TTL		13	0 0	5.0	15n			60m		0	75	2	G01208	TO116
12	MC476F	1		MON	3 0%	45*†	TTL		7	0.0	5.0	15n			60m		0	75	2	G01208	TO86
13	MC476L,P%	1		MON	3.0%	45*†	TTL		7	0 0	5 0	15n			60m		0	75	2	G01208	TO116
14	TG280F	1		MON	3 0%	45*†	TTL	5Δ	15	0 0	7.0	12n			80m†		-55	125	2	G01165b	FP21c
15	TG280J	1		MON	3 0%	45*†	TTL	5Δ	15	0.0	7.0	12n			80m†		-55	125	2	G01165b	TO116
16	TG281F	1		MON	3 0%	45*†	TTL	5Δ	7	0 0	7.0	12n			80m†		-55	125	2	G01165b	FP21c
17	TG281J	1		MON	3 0%	45*†	TTL	5Δ	7	0.0	7 0	12n			80m†		-55	125	2	G01165b	TO116
18	TG282F	1		MON	3 0%	45*†	TTL	5Δ	15	0.0	7 0	12n			80m†		0	75	2	G01165b	FP21c
19	TG282J	1		MON	3.0%	45*†	TTL	5Δ	15	0 0	7 0	12n			80m†		0	75	2	G01165b	TO116
20	TG283F	1		MON	3 0%	45*†	TTL	5Δ	7	0 0	7 0	12n			80m†		0	75	2	G01165b	FP21c
21	TG283J	1		MON	3.0%	45*†	TTL	5Δ	7	0.0	7 0	12n			80m†		0	75	2	G01165b	TO116
22	RG80D	1	20M	MON	3 4	20	TTL	3	15	0 0	5 0	11n			60m†	1 1	-55	125	2		M105m
23	RG80K	1	20M	MON	3 4	20	TTL	3	15	0 0	5 0	11n			60m†	1 1	-55	125	2		FP28
24	RG81D	1	20M	MON	3 4	20	TTL	3	7	0.0	5 0	11n			60m†	1.1	-55	125	2		M105m
25	RG81K	1	20M	MON	3 4	20	TTL	3	7	0 0	5.0	11n			60m†	1.1	-55	125	2		FP28
26	RG82D	1	20M	MON	3 4	20	TTL	3	12	0 0	5 0	11n			60m†	1 1	0	75	2		M105m
27	RG82K	1	20M	MON	3 4	20	TTL	3	12	0 0	5 0	11n			60m†	1 1	0	75	2		FP28
28	RG83D	1	20M	MON	3 4	20	TTL	3	6	0 0	5 0	11n			60m†	1 1	0	75	2		M105m
29	RG83K	1	20M	MON	3 4	20	TTL	3	6	0 0	5 0	11n			60m†	1 1	0	75	2		FP28
30	RG180D	1	20M	MON	3.4	20	TTL	4		0 0	5 0	1.0n			20m†	1.1	-55	125	2	G0657	M105m
31	RG180K	1	20M	MON	3 4	20	TTL	4		0 0	5.0	1 0n			20m†	1.1	-55	125	2	G0657	FP28
32	RG181D	1	20M	MON	3 4	20	TTL	4		0 0	5 0	1 0n			20m†	1.1	-55	125	2	G0657	M105m
33	RG181K	1	20M	MON	3 4	20	TTL	4		0 0	5 0	1 0n			20m†	1 1	-55	125	2	G0657	FP28
34	RG182D	1	20M	MON	3 4	20	TTL	4		0 0	5 0	1 0n			20m†	1 1	0	75	2	G0657	M105m
35	RG182K	1	20M	MON	3 4	20	TTL	4		0 0	5 0	1 0n			20m†	1.1	0	75	2	G0657	FP28
36	RG183D	1	20M	MON	3 4	20	TTL	4		0 0	5 0	1 0n			20m†	1 1	0	75	2	G0657	M105m
37	RG183K	1	20M	MON	3.4	20	TTL	4		0 0	5 0	1 0n			20m†	1 1	0	75	2	G0657	FP28
38	RG280D	1	20M	MON	3 4	20	TTL	4	15	0 0	5 0	11n			76m†	1 0	-55	125	2		M105m
39	RG280K	1	20M	MON	3 4	20	TTL	4	15	0 0	5 0	11n			76m†	1.0	-55	125	2		FP28
40	RG281D	1	20M	MON	3 4	20	TTL	4	7	0 0	5 0	11n			76m†	1 0	-55	125	2		M105m
41	RG281K	1	20M	MON	3.4	20	TTL	4	7	0 0	5 0	11n			76m†	1 0	-55	125	2		FP28
42	RG282D	1	20M	MON	3 4	20	TTL	4	12	0.0	5 0	11n			76m†	1 0	0	75	2		M105m
43	RG282K	1	20M	MON	3 4	20	TTL	4	12	0 0	5 0	11n			76m†	1.0	0	75	2		FP28
44	RG283D	1	20M	MON	3 4	20	TTL	4	6	0 0	5 0	11n			76m†	1 0	0	75	2		M105m
45	RG283K	1	20M	MON	3 4	20	TTL	4	6	0.0	5.0	11n			76m†	1.0	0	75	2		FP28
46	RG3180D	1		MON	3.4	30†	TTL	5Δ		0 0	5 0	3 0n				900m	-55	125	2	G01157	M105m
47	RG3180K	1		MON	3 4	30†	TTL	5Δ		0 0	5 0	3.0n				900m	-55	125	2	G01157	FP21b
48	RG3182D	1		MON	3.4	30†	TTL	5Δ		0.0	5 0	3.0n				900m	0	75	2	G01157	M105m
49	RG3182K	1		MON	3.4	30†	TTL	5Δ		0 0	5 0	3 0n				900m	0	75	2	G01157	FP21b
50	SP302A	1		MON	3.5%	60†*	TTL	2	12	0 0	5 0	15n			62m	1 8 Δ	0	75	4	G01226a	TO116
51	SP304A	1		MON	3.5%	60†*	TTL	5Δ	12	0 0	5 0	15n			62mΔ	1 8 Δ	0	75	2	G01226	TO116
52	MFC6060	1		MON	15%	60*†	TTL	3		0 0	16				1 0		0	75	1	G01224	M221
53#	FZH151	1,2		MON	7 5%	4 5*		6Δ	20	0 0	18		350n†	350n†		5 0 Δ	0	70	2	G01223	M117r
54#	FZH155	1,2		MON	7 5%	4 5*		6Δ	20	0 0	18		350n†	350n†		5 0 Δ	-25	85	2	G01223	M117r
55#	H105D1	1,2		MON	8 0%	6 0*		5Δ	25	0 0	20	105n†			120mΔ	5.0	0	75	2	G01191	M294
56#	H105D6	1,2		MON	8 0%	6 0*		5Δ	25	0 0	16	105n†			80mΔ	5.0	-40	85	2	G01191	M294
57	CD4019AD	1,2		MOS	10	0 0†		10		0 0	10	50n			100u%	4 5 Δ	-55	125	1	G01215	Δ001AE
58	CD4019AE	1,2		MOS	10	0 0†		10		0 0	10	50n			1 0m%	4 5 Δ	-40	85	1	G01215	Δ001AC
59	CD4019AK	1,2		MOS	10	0 0†		10		0 0	10	50n			100u%	4 5 Δ	-55	125	1	G01215	Δ004AG
60	CD4037AD	1,2		MOS	10	0 0†		3		0 0	10	180nΔ			200m	4 5 Δ	-55	125	1	G01230	Δ001AD
61	CD4037AE	1,2		MOS	10	0 0†		3		0 0	10	250nΔ			200m	4 5 Δ	-40	85	1	G01230	Δ001AB
62	CD4037AK	1,2		MOS	10	0.0†		3		0 0	10	180nΔ			200m	4.5 Δ	-55	125	1	G01230	Δ001AB
63	CM4019AD	1,2		MOS	10	0 0†		10		0 0	10	100nΔ			200m	4.5 Δ	-55	125	1	G01215	M210b
64	CM4019AE	1,2		MOS	10	0 0†		10		0 0	10	125nΔ			200m	4 5 Δ	-40	85	1	G01215	M210b
65	SCL4019AD	1,2		MOS	10	0.0		10	50	0 0	10	50n	40n	40n	10u%	4 5	-55	125	4		Δ001AE
66	SCL4019AE	1,2		MOS	10	0 0		10	50	0 0	10	50n	40n	40n	10u%	4 5	-40	85	4		Δ001AC
67	SCL4019AF	1,2		MOS	10	0.0		10	50	0 0	10	50n	40n	40n	10u%	4.5	-55	125	4		Δ004AG
68▼	CD4085AE	1,2		MOS	10	0 0†	CMS	4		0 0	10	60n%			10n%		-40	85	2		Δ001AB
69▼	CD4086AE	1,2		MOS	10	0 0†	CMS	8		0 0	10	70n%			10n%		-40	85	1		Δ001AB
70	SN5320	1,2		MON	2 5%	3*†	DTL	6Δ	4	7	7	5 0n	200n	100n	12m†		-55	125	1	G01116b	TO89
71#	SP482	1,2			-7 0%	- 79*	ECT	6		7 0	0 0	4 0nΔ	3 0n	3.0n		160m*	0	75	2	G01219	M146b
72#	SP483	1,2			-7 0%	- 79*	ECT	6		7 0	0 0	4 0nΔ	3 0n	3 0n		160m*	0	75	2	G01219	M146b
73#	SP486	1,2			-7 0%	- 79*	ECT	13		7 0	0 0	4 0nΔ	3 0n	3 0n		160m*	0	75	1	G01221	M146b
74#	SP487	1,2			-7 0%	- 79*	ECT	13		7 0	0 0	4 0nΔ	3 0n	3 0n		160m*	0	75	1	G01221	M146b
75#	FJH151-7450	1,2		MON	2 0%	80*	TTL	6Δ	10	0 0	5 0	11n%			28m†	1 0 Δ	0	70	2	G03174	M126f
76#	FJH152A	1,2		MON	2 0%	80*	TTL	3Δ	10	0 0	5 0	13n			28m	1.0 Δ	-55	125	2	G03236	TO116
77#	FJH161-7451	1,2		MON	2 0%	80*	TTL	4	10	0.0	5 0	11n%			28m†	1 0 Δ	0	70	2	G03174a	M126f
78#	FJH162A	1,2		MON	2.0%	80*	TTL	2	10	0 0	5 0	13n			28m	1 0 Δ	-55	125	2	G01203	TO116
79#	FJH171-7453	1,2		MON	2.0%	80*	TTL	10Δ	10	0 0	5.0	11n%			22m†	1 0 Δ	0	70	1	G01217	M126f
80#	FJH172A	1,2		MON	2 0%	80*	TTL	9Δ	10	0 0	5 0	13n			28m	1 0 Δ	-55	125	1	G01204	TO116
81#	FJH181-7454	1,2		MON	2 0%	80*	TTL	8	10	0 0	5 0	11n%			22m†	1 0 Δ	0	70	1	G01218	M126f
82#	FJH182A	1,2		MON	2 0%	80*	TTL	8	10	0 0	5 0	13n			28m	1 0 Δ	-55	125	1	G01205	TO116
83#	FLH151-7450	1,2		MON	2.0%	80*	TTL	6Δ	10	0.0	5 0	15n%		4 0n†	55m†	1 0 Δ	0	70	2	G01170	M126p
84#	FLH161-7451	1,2		MON	2 0%	80*	TTL	4	10	0.0	5 0	15n%		4.0n†	55m†	1.0 Δ	0	70	2	G01170a	M126p
85	N74H52A	1,2			2 0%	80*	TTL	10Δ	10	0 0	5.0	9 2n			124m%		0	70	1	G01198	M105q
86	N74H52Q	1,2			2 0%	80*	TTL	10Δ	10	0 0	5.0	9 2n			124m%		0	70	1	G01198	TO88
87	N7450A	1,2			2 0%	80*	TTL	6Δ	10	0 0	5 0	8 0n			260m%		0	70	2	G01170	M105q
88	N7450J	1,2			2.0%	80*	TTL	6Δ	10	0 0	5 0	8 0n			260m%		0	70	2	G01170b	TO88
89	N7451A	1,2			2 0%	80*	TTL	6Δ	10	0 0	5 0	8 0n			260m%		0	70	2	G01170	M105q
90	N7451J	1,2			2.0%	80*	TTL	6Δ	10	0 0	5 0	8.0n			260m%		0	70	2	G01170b	TO88
91	N7453A	1,2			2 0%	80*	TTL	10Δ	10	0 0	5 0	8 0n			260m%		0	70	1	G01194a	M105q
92	N7453J	1,2			2 0%	80*	TTL	10Δ	10	0 0	5 0	8 0n			260m%		0	70	1	G01194	TO88
93	N7454A	1,2			2 0%	80*	TTL	10Δ	10	0 0	5 0	8 0n			260m%		0	70	1	G01194a	M105q
94	N7454J	1,2			2 0%	80*	TTL	10Δ	10	0 0	5 0	8 0n			260m%		0	70	1	G01194	TO88
95	S54H52A	1,2			2 0%	80*	TTL	10Δ	10	0 0	5 0	9 2n			132m%		-55	125	1	G01198	M105q
96	S54H52Q	1,2			2 0%	80*	TTL	10Δ	10	0 0	5 0	9.2n			132m%		-55	125	1	G01198	TO88
97	S5450A	1,2			2 0%	80*	TTL	6Δ	10	0 0	5 0	8 0n			275m%		-55	125	2	G01170	M105q
98	S5450J	1,2			2 0%	80*	TTL	6Δ	10	0 0	5 0	8 0n			275m%		-55	125	2	G01170b	TO88
99	S5451A	1,2			2 0%	80*	TTL	6Δ	10	0 0	5 0	8 0n			275m%		-55	125	2	G01170	M105q
100	S5451J	1,2			2 0%	80*	TTL	6Δ	10	0 0	5 0	8 0n			275m%		-55	125	2	G01170b	TO88
101	S5453A	1,2			2 0%	80*	TTL	10Δ	10	0 0	5 0	8.0n			275m%		-55	125	1	G01194a	M105q
102	S5453J	1,2			2 0%	80*	TTL	10Δ	10	0 0	5 0	8 0n			275m%		-55	125	1	G01194	TO88
103	S5454A	1,2			2 0%	80*	TTL	10Δ	10	0 0	5 0	8 0n			275m%		-55	125	1	G01194a	M105q
104	S5454J	1,2			2 0%	80*	TTL	10Δ	10	0 0	5 0	8 0n			275m%		-55	125	1	G01194	TO88
105	MC3031L,P%	1,2		MON	2 4%	40*†	TTL	10Δ	10	0.0	5 0	10n%			87m†		0	75	1	G02124	TO116
106	MC3033F	1,2		MON	2.4%	40*†	TTL	9	10	0 0	5 0	7 0n			40m†		0	75	1	G01211a	TO86
107	MC3120F	1,2		MON	2 4%	40*†	TTL	6†	10	0 0	5 0	6.0n			62m†		-55	125	2	G01184	TO86
108	MC3123F	1,2		MON	2 4%	40*†	TTL	4	10	0.0	5 0	6 0n			62m†		-55	125	2	G01184	TO86
109	MC3131F	1,2		MON	2 4%	40*†	TTL	9	10	0 0	5 0	10n			87m†		-55	125	1	G02124	TO86
110	MC3131L	1,2		MON	2 4%	40*†	TTL	10Δ	10	0 0	5 0	10n%			87m†		-55	125	1	G02124	TO116

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	MC3133F	1,2		MON	2 4%	40*†	TTL	9	10	0.0	5.0	7.0n			40m†		-55	125	1	G01211a	TO86
2	MC3020F	1,2		MON	2 5%	.40*†	TTL	6†	10	0.0	5.0	6.0n			62m†		0	75	2	G01184	TO86
3	MC3023F	1,2		MON	2.5%	40*†	TTL	4	10	0 0	5 0	6.0n			62m†		0	75	2	G01184	TO86
4	MC3031F	1,2		MON	2.5%	40*†	TTL	9	10	0 0	5 0	10n			87m†		0	75	1	G02124	TO86
5	RG3452D	1,2		MON	3.0%	.45*†	TTL	11	9†	0 0	5 0	10nΔ	3.0n	2.5n	40m†	1.1	0	75	1	G01216	M105m
6	RG3452K	1,2		MON	3.0%	.45*†	TTL	11	9†	0.0	5.0	10nΔ	3.0n	2.5n	40m†	1.1	0	75	1	G01216	FP21b
7	RG3450D	1,2		MON	3.1%	.40*†	TTL	11	11†	0.0	5.0	10nΔ	3.0n	2.5n	40m†	1.1	-55	125	1	G01216	M105m
8	RG3450K	1,2		MON	3.1%	40*†	TTL	11	11†	0.0	5.0	10nΔ	3.0n	2.5n	40m†	1 1	-55	125	1	G01216	FP21b
9	SNG280J	1,2		MON	3.3	.26	TTL	5Δ	15†	0.0	5.0	10n	5.0n	8.0n	76m	1.0	-55	125	2	G01157	M157b
10	SNG280W	1,2		MON	3.3	.26	TTL	5Δ	15†	0 0	5.0	10n	5 0n	8.0n	76m	1 0	-55	125	2	G01157	Δ004AF
11	SNG281J	1,2		MON	3 3	.26	TTL	5Δ	7†	0.0	5.0	10n	5.0n	8.0n	76m	1.0	-55	125	2	G01157	M157b
12	SNG281W	1,2		MON	3 3	.26	TTL	5Δ	7†	0.0	5.0	10n	5.0n	8.0n	76m	1.0	-55	125	2	G01157	Δ004AF
13	SNG282J	1,2		MON	3.3	.26	TTL	5Δ	12†	0.0	5.0	10n	5 0n	8 0n	76m	1.0	0	75	2	G01157	M157b
14	SNG282W	1,2		MON	3.3	.26	TTL	5Δ	12†	0.0	5 0	10n	5.0n	8.0n	76m	1.0	0	75	2	G01157	Δ004AF
15	SNG283J	1,2		MON	3.3	.26	TTL	5Δ	6†	0.0	5.0	10n	5.0n	8.0n	76m	1.0	0	75	2	G01157	M157b
16	SNG283W	1,2		MON	3.3	.26	TTL	5Δ	6†	0 0	5.0	10n	5 0n	8.0n	76m	1.0	0	75	2	G01157	Δ004AF
17	TRWG280#1	1,2		MON	3.3	.26	TTL	5	15†	0.0	5.0	10n	5.0n	8.0n	76m	1.0	-55	125	1	G01157	M157
18	TRWG280#2	1,2		MON	3.3	.26	TTL	5	15†	0.0	5.0	10n	5.0n	8.0n	76m	1.0	-55	125	1	G01157	M126
19#	ZN5453E	1,2		MON	3.5	.20	TTL	10Δ	10	0.0	5.0	29n			10m	1 0	-55	125	1		M126
20#	ZN5453F	1,2		MON	3 5	.20	TTL	10Δ	10	0.0	5 0	29n			10m	1.0	-55	125	1		TO86
21#	ZN5454E	1,2		MON	3.5	.20	TTL	8	10	0.0	5.0	29n			10m	1.0	-55	125	1		M126
22#	ZN5454F	1,2		MON	3.5	.20	TTL	8	10	0 0	5 0	29n			10m	1.0	-55	125	1		TO86
23#	ZN7453E	1,2		MON	3.5	.20	TTL	10Δ	10	0.0	5.0	29n			10m	1.0	-55	125	1		M126
24#	ZN7453F	1,2		MON	3.5	.20	TTL	10Δ	10	0.0	5 0	29n			10m	1.0	-55	125	1		TO86
25#	ZN7454E	1,2		MON	3.5	.20	TTL	8	10	0.0	5.0	29n			10m	1 0	-55	125	1		M126
26#	ZN7454F	1,2		MON	3 5	.20	TTL	8	10	0.0	5.0	29n			10m	1.0	-55	125	1		TO86
27▼	JANM38510/05302AFA	1,2F		MOS	3.65%	1.25*	CMS	10	7	0 0	10	500nΔ			200m		-55	125	4	G01239	FP93
28	JANM38510/05302BFA	1,2F		MOS	3.65%	1.25*	CMS	10	7	0.0	10	500nΔ			200m		-55	125	4	G01239	FP93
29	JANM38510/05302CFA	1,2F		MOS	3 65%	1.25*	CMS	10	7	0.0	10	500nΔ			200m		-55	125	4	G01239	FP93
30♦	MC14506AL	1,2G		MOS	9.99%	.01*†		6		0.0	10	80n	75n	75n	100n%		-55	125	2	G01231	M191
31♦	MC14506CL	1,2G		MOS	9 99%	.01*†		6		0 0	10	80n	110n	110n	100n%		-40	85	2	G01231	M191
32♦	MC14506CP	1,2G		MOS	9 99%	01*†		6		0.0	10	80n	110n	110n	100n%		-40	85	2	G01231	M278
33	10117B	1,2S	150M	MON	-.85	-1.7	ECT	5	10	5.2	0.0	2.3n	2 5n†	2.5n†	100m†	200m	-30	85	2	G01229	M256
34	10117F	1,2S	150M	MON	-.85	-1.7	ECT	5	10	5.2	0.0	2.3n	2.5n†	2 5n†	100m†	200m	-30	85	2	G01229	M153a
35▼	RSN54L57H	1,2S		MON	1 9%	.80*	TTL	11		0.0	5.0	90nΔ			4 9m%		-55	125	1	G01251	FP69b
36	RG3210D	1,3		MON			DTL	8	11	0.0	5	5.5n			30m†	1 1	-55	125	1		M105m
37	RG3210K	1,3		MON			DTL	8	11	0 0	5	5.5n			30m†	1 1	-55	125	1		FP28
38	RG3212D	1,3		MON			DTL	8	9	0.0	5	5 5n			30m†	1.1	0	75	1		M105m
39	RG3212K	1,3		MON			DTL	8	9	0 0	5	5.5n			30m†	1.1	0	75	1		FP28
40	RG3230D	1,3		MON			DTL	10		0.0	5	2 0n			7.0m†	1.1	-55	125	1		M105m
41	RG3230K	1,3		MON			DTL	10		0.0	5	2.0n			7.0m†	1.1	-55	125	1		FP28
42	RG3232D	1,3		MON			DTL	10		0 0	5	2.0n			7 0m†	1.1	0	75	1		M105m
43	RG3232K	1,3		MON			DTL	10		0 0	5	2.0n			7.0m†	1.1	0	75	1		FP28
44	RG3250D	1,3		MON			DTL	9	11	0 0	5	6.0n			40m†	1.1	-55	125	1		M105m
45	RG3250K	1,3		MON			DTL	9	11	0.0	5	6 0n			40m†	1.1	-55	125	1		FP28
46	RG3252D	1,3		MON			DTL	9	9	0.0	5	6 0n			40m†	1 1	0	75	1		M105m
47	RG3252K	1,3		MON			DTL	9	9	0 0	5	6.0n			40m†	1 1	0	75	1		FP28
48	RG3270D	1,3		MON			DTL	4		0.0	5	1.0n			7 0m†	1.1	-55	125	1		M105m
49	RG3270K	1,3		MON			DTL	4		0 0	5	1 0n			7.0m†	1 1	-55	125	1		FP28
50	RG3272D	1,3		MON			DTL	4		0.0	5	1.0n			7.0m†	1.1	0	75	1		M105m
51	RG3272K	1,3		MON			DTL	4		0.0	5	1 0n			7 0m†	1.1	0	75	1		FP28
52	RG3300D	1,3		MON			DTL	9	11	0.0	5	6 0n			35m†	1 1	-55	125	1		M105m
53	RG3300K	1,3		MON			DTL	9	11	0 0	5	6.0n			35m†	1.1	-55	125	1		FP28
54	RG3302D	1,3		MON			DTL	9	9	0 0	5	6.0n			35m†	1.1	0	75	1		M105m
55	RG3302K	1,3		MON			DTL	9	9	0.0	5	6 0n			35m†	1 1	0	75	1		FP28
56	RG3310D	1,3		MON			DTL	4	11	0 0	5	5.5n			60m†	1.1	-55	125	2		M105m
57	RG3310K	1,3		MON			DTL	4	11	0.0	5	5.5n			60m†	1 1	-55	125	2		FP28
58	RG3312D	1,3		MON			DTL	4	9	0.0	5	5 5n			60m†	1.1	0	75	2		M105m
59	RG3312K	1,3		MON			DTL	4	9	0.0	5	5.5n			60m†	1.1	0	75	2		FP28
60	RG3440D	1,3		MON			DTL	4	11	0 0	5	5.5n			60m†	1.1	-55	125	2		M105m
61	RG3440K	1,3		MON			DTL	4	11	0 0	5	5.5n			60m†	1.1	-55	125	2		FP28
62	RG3442D	1,3		MON			DTL	4	9	0 0	5	5 5n			60m†	1 1	0	75	2		M105m
63	RG3442K	1,3		MON			DTL	4	9	0.0	5	5.5n			60m†	1.1	0	75	2		FP28
64	341AJ	1,3		MON	6.5*	5.0%	DTL	6Δ	5	0 0	15	410nΔ			225m†	3.2	-30	70	2	G0590	M319
65	341AL	1,3		MON	6.5*	5 0%	DTL	6Δ	5	0.0	15	410nΔ			225m†	3 2	-30	70	2	G0590	M200j
66	341BL	1,3		MON	6 5*	5.0%	DTL	6Δ	5	0 0	12	410nΔ			132m†	3.5	-55	125	2	G0590	M200j
67	341CL	1,3		MON	6 5*	5.0%	DTL	6Δ	5	0.0	12	410nΔ			132m†	3 5	-30	85	2	G0590	M200j
68	341ML	1,3		MON	6.5*	5.0%	DTL	6Δ	5	0 0	15	410nΔ			225m†	3.2	-55	125	2	G0590	M200j
69	344AJ	1,3		MON	6.5*	5 0%	DTL	6Δ	5	0.0	15	600nΔ			210m†	3.2	-30	70	2	G01235	M319
70	344AL	1,3		MON	6.5*	5 0%	DTL	6Δ	5	0 0	15	600nΔ			210m†	3.2	-30	70	2	G01235	M200j
71	344BL	1,3		MON	6 5*	5.0%	DTL	6Δ	5	0 0	12	600nΔ			120m†	3.5	-55	125	2	G01235	M200j
72	344CJ	1,3		MON	6.5*	5.0%	DTL	6Δ	5	0.0	12	600nΔ			120m†	3.5	-30	85	2	G01235	M319
73	344CL	1,3		MON	6 5*	5.0%	DTL	6Δ	5	0 0	12	600nΔ			120m†	3.5	-30	85	2	G01235	M200j
74	344ML	1,3		MON	6.5*	5.0%	DTL	6Δ	5	0.0	15	600nΔ			210m†	3.2	-55	125	2	G01235	M200j
75	MC673L,P%	1,3		MON	12.5%	1.5*†	DTL	5Δ	10	0 0	15	110n	20n	20n	160m†		-30	75	2	G01191	TO116
76	MC674L,P%	1,3		MON	12 5%	1 5*†	DTL	5Δ	10	0.0	15	125n	20n	20n	160m†		-30	75	2	G01192	TO116
77	TG110F	1,3		MON	1.7%	1 2*	TTL	10Δ	15	0.0	5.0	22nΔ			20m†	1 1 Δ	-55	125	1	G02191	TO86
78	TG110J	1,3		MON	1 7%	1 2*	TTL	10Δ	15	0 0	5 0	22nΔ			20m†	1 1 Δ	-55	125	1	G02191	M157c
79	TG111F	1,3		MON	1.7%	1.2*	TTL	10Δ	15	0.0	5 0	22nΔ			20m†	1.1 Δ	-55	125	1	G02191	TO86
80	TG111J	1,3		MON	1.7%	1.2*	TTL	10Δ	15	0.0	5 0	22nΔ			20m†	1.1 Δ	-55	125	1	G02191	M157c
81	TG112F	1,3		MON	1 7%	1 2*	TTL	10Δ	15	0.0	5.0	22nΔ			20m†	1.1 Δ	-55	125	1	G02191	TO86
82	TG112J	1,3		MON	1.7%	1.2*	TTL	10Δ	15	0.0	5.0	22nΔ			20m†	1 1 Δ	-55	125	1	G02191	M157c
83	TG113F	1,3		MON	1 7%	1 2*	TTL	10Δ	15	0 0	5 0	22nΔ			20m†	1.1 Δ	-55	125	1	G02191	TO86
84	TG113J	1,3		MON	1 7%	1.2*	TTL	10Δ	15	0.0	5 0	22nΔ			20m†	1 1 Δ	-55	125	1	G02191	M157c
85▼	SN29005J	1,3		MON	1 8%	.85*	TTL	6†		0 0	5.0	15nΔ			68n%		0	75	2	G03174	M157b
86▼	SN29005N	1,3		MON	1 8%	.85*	TTL	6†		0.0	5.0	15nΔ			68n%		0	75	2	G03174	M126e
87▼	SN29008J	1,3		MON	1.8%	.85*	TTL	9		0.0	5 0	15nΔ			47m%		0	75	1		M157b
88▼	SN29008N	1,3		MON	1 8%	.85*	TTL	9		0 0	5.0	15nΔ			47m%		0	75	1		M126e
89▼	BL54L55Y	1,3		MON	2 0%	.70*	TTL	8		0 0	5 0	90nΔ			1.9m%		-55	125	1	G01254	FC7
90▼	BL74L55Y	1,3		MON	2 0%	70*	TTL	8		0.0	5.0	90nΔ			1.9m%		0	70	1	G01254	FC7
91	SN54L51J	1,3		MON	2.0%	70*	TTL	6†	10	0 0	5 0	90nΔ			1 0m†	1 0 Δ	-55	125	2	G03175b	M157b
92	SN54L51N	1,3		MON	2 0%	.70*	TTL	6†	10	0 0	5.0	90nΔ			1 0m†	1.0 Δ	-55	125	2	G03175b	M126e
93	SN54L51T	1,3		MON	2.0%	70*	TTL	6†	10	0 0	5 0	90nΔ			1.0m†	1.0 Δ	-55	125	2	G03175b	FP52e
94	SN54L54J	1,3		MON	2.0%	.70*	TTL	10	10	0.0	5 0	90nΔ			1 0m†	1.0 Δ	-55	125	1	G03175d	M157b
95	SN54L54N	1,3		MON	2.0%	70*	TTL	10	10	0 0	5 0	90nΔ			1 0m†	1 0 Δ	-55	125	1	G03175d	M126e
96	SN54L54T	1,3		MON	2.0%	.70*	TTL	10	10	0.0	5.0	90nΔ			1 0m†	1 0 Δ	-55	125	1	G03175d	FP52e
97	SN54L55J	1,3		MON	2 0%	.70*	TTL	8	10	0.0	5.0	90nΔ			1 0m†	1 0 Δ	-55	125	1	G03175c	M157b
98	SN54L55N	1,3		MON	2 0%	.70*	TTL	8	10	0 0	5 0	90nΔ			1 0m†	1 0 Δ	-55	125	1	G03175c	M126e
99	SN54L55T	1,3		MON	2.0%	70*	TTL	8	10	0.0	5 0	90nΔ			1 0m†	1 0 Δ	-55	125	1	G03175c	FP52e
100	SN74L51J	1,3		MON	2.0%	.70*	TTL	6†	10	0 0	5.0	90nΔ			1 0m†	1.0 Δ	0	70	2	G03175b	M157b
101	SN74L51N	1,3		MON	2.0%	70*	TTL	6†	10	0 0	5 0	90nΔ			1 0m†	1 0 Δ	0	70	2	G03175b	M126e
102	SN74L51T	1,3		MON	2.0%	.70*	TTL	6†	10	0.0	5.0	90nΔ			1 0m†	1 0 Δ	0	70	2	G03175b	FP52e
103	SN74L54J	1,3		MON	2 0%	.70*	TTL	10	10	0 0	5.0	90nΔ			1 0m†	1 0 Δ	0	70	1	G03175d	M157b
104	SN74L54N	1,3		MON	2 0%	.70*	TTL	10	10	0.0	5.0	90nΔ			1 0m†	1 0 Δ	0	70	1	G03175d	M126e
105	SN74L54T	1,3		MON	2.0%	.70*	TTL	10	10	0 0	5 0	90nΔ			1.0m†	1.0 Δ	0	70	1	G03175d	FP52e
106	SN74L55J	1,3		MON	2.0%	.70*	TTL	8	10	0 0	5 0	90nΔ			1.0m†	1.0 Δ	0	70	1	G03175c	M157b
107	SN74L55N	1,3		MON	2 0%	.70*	TTL	8	10	0.0	5.0	90nΔ			1.0m†	1 0 Δ	0	70	1	G03175c	M126e

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	SN74L55T	1,3		MON	2.0%	.70*	TTL	8	10	0.0	5.0	90nΔ			1.0mt	1.0 Δ	0	70	1	G03175c	FP52e
2#	FJH151	1,3		MON	2 0%	80*	TTL	6t	10	0 0	5 0	13n			28mt	400m	0	70	2	G03174	TO116
3#	FJH161	1,3		MON	2 0%	80*	TTL	4	10	0.0	5.0	13n			28mt	400m	0	70	2	G01203	TO116
4#	FJH171	1,3		MON	2 0%	.80*	TTL	8t	10	0 0	5.0	13n			28mt	400m	0	70	2	G01204	TO116
5#	FJH181	1,3		MON	2.0%	.80*	TTL	6t	10	0.0	5.0	13n			28mt	400m	0	70	2	G01205	TO116
6#	FLH155-8450	1,3		MON	2 0%	80*	TTL	6Δ	10	0 0	5 0	15n%		4.0nt	55mt	1 0 Δ	-25	85	2	G01170	M126p
7#	FLH165-8451	1,3		MON	2 0%	80*	TTL	4	10	0 0	5 0	15n%		4 0nt	55mt	1.0 Δ	-25	85	2	G01170a	M126p
8#	FLH171-7453	1,3		MON	2.0%	80*	TTL	10Δ	10	0 0	5 0	15n%		4 0nt	43mt	1 0 Δ	0	70	1	G01171	M126p
9#	FLH175-8453	1,3		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	15n%		4.0nt	43mt	1.0 Δ	-25	85	1	G01171	M126p
10#	FLH181-7454	1,3		MON	2 0%	.80*	TTL	8	10	0.0	5.0	15n%		4.0nt	43mt	1.0 Δ	0	70	1	G01171a	M126p
11#	FLH185-8454	1,3		MON	2 0%	80*	TTL	8	10	0 0	5 0	15n%		4.0nt	43mt	1.0 Δ	-25	85	1	G01171a	M126p
12#	GJH151	1,3			2.0%	80*	TTL	6t	10	0.0	5.0	11nΔ			62mt	400m	0	70	2	G03248	M126n
13#	GJH161	1,3			2.0%	.80*	TTL	4	10	0.0	5.0	11nΔ			62mt	400m	0	70	2	G03248a	M126n
14#	GJH171	1,3			2 0%	80*	TTL	11t	10	0.0	5.0	11nΔ			43mt	400m	0	70	1	G03249	M126n
15#	GJH181	1,3			2.0%	80*	TTL	9	10	0.0	5.0	11nΔ			43mt	400m	0	70	1	G03249a	M126n
16▼#	GTB74S64P	1,3		MON	2.0%	.80*	TTL	11	20	0.0	5 0	3 0nt			19mt	1.0 Δ	0	70	1	G01228a	M126n
17♦	JANM38510/00501BAA	1,3		MON	2 0%	.80*	TTL	6t	10	0 0	5.5	27nΔ			102m		-55	125	2	G01244	FP52d
18♦	JANM38510/00501BAB	1,3		MON	2 0%	80*	TTL	6t	10	0 0	5.5	27nΔ			102m		-55	125	2	G01244	FP52d
19♦	JANM38510/00501BAC	1,3		MON	2 0%	.80*	TTL	6t	10	0 0	5.5	27nΔ			102m		-55	125	2	G01244	FP52d
20♦	JANM38510/00501BCA	1,3		MON	2 0%	.80*	TTL	6t	10	0 0	5 5	27nΔ			102m		-55	125	2	G01244	M314
21♦	JANM38510/00501BCB	1,3		MON	2 0%	80*	TTL	6t	10	0.0	5 5	27nΔ			102m		-55	125	2	G01244	M314
22♦	JANM38510/00501BCC	1,3		MON	2 0%	.80*	TTL	6t	10	0.0	5.5	27nΔ			102m		-55	125	2	G01244	M314
23♦	JANM38510/00501BDB	1,3		MON	2 0%	80*	TTL	6t	10	0 0	5 5	27nΔ			102m		-55	125	2	G01244	FP83
24♦	JANM38510/00501BDC	1,3		MON	2 0%	80*	TTL	6t	10	0 0	5 5	27nΔ			102m		-55	125	2	G01244	FP83
25♦	JANM38510/00501CAA	1,3		MON	2 0%	80*	TTL	6t	10	0 0	5 5	27nΔ			102m		-55	125	2	G01244	FP52d
26♦	JANM38510/00501CAB	1,3		MON	2 0%	80*	TTL	6t	10	0 0	5 5	27nΔ			102m		-55	125	2	G01244	FP52d
27♦	JANM38510/00501CAC	1,3		MON	2 0%	80*	TTL	6t	10	0.0	5.5	27nΔ			102m		-55	125	2	G01244	FP52d
28♦	JANM38510/00501CCA	1,3		MON	2 0%	80*	TTL	6t	10	0.0	5.5	27nΔ			102m		-55	125	2	G01244	M314
29♦	JANM38510/00501CCB	1,3		MON	2.0%	80*	TTL	6t	10	0.0	5.5	27nΔ			102m		-55	125	2	G01244	M314
30♦	JANM38510/00501CCC	1,3		MON	2 0%	80*	TTL	6t	10	0 0	5 5	27nΔ			102m		-55	125	2	G01244	M314
31♦	JANM38510/00501CDB	1,3		MON	2.0%	.80*	TTL	6t	10	0 0	5 5	27nΔ			102m		-55	125	2	G01244	FP83
32♦	JANM38510/00501CDC	1,3		MON	2.0%	.80*	TTL	6t	10	0.0	5.5	27nΔ			102m		-55	125	2	G01244	FP83
33♦	JANM38510/00502BAA	1,3		MON	2 0%	.80*	TTL	4	10	0.0	5 5	27nΔ			102m		-55	125	2	G01245	FP52d
34♦	JANM38510/00502BAB	1,3		MON	2 0%	80*	TTL	4	10	0.0	5 5	27nΔ			102m		-55	125	2	G01245	FP52d
35♦	JANM38510/00502BAC	1,3		MON	2 0%	.80*	TTL	4	10	0 0	5 5	27nΔ			102m		-55	125	2	G01245	FP52d
36♦	JANM38510/00502BCA	1,3		MON	2 0%	80*	TTL	4	10	0 0	5 5	27nΔ			102m		-55	125	2	G01245	M314
37♦	JANM38510/00502BCB	1,3		MON	2 0%	.80*	TTL	4	10	0.0	5 5	27nΔ			102m		-55	125	2	G01245	M314
38♦	JANM38510/00502BCC	1,3		MON	2.0%	80*	TTL	4	10	0 0	5.5	27nΔ			102m		-55	125	2	G01245	M314
39♦	JANM38510/00502BDB	1,3		MON	2 0%	80*	TTL	4	10	0.0	5 5	27nΔ			102m		-55	125	2	G01245	FP83
40♦	JANM38510/00502BDC	1,3		MON	2 0%	80*	TTL	4	10	0 0	5.5	27nΔ			102m		-55	125	2	G01245	FP83
41♦	JANM38510/00502CAA	1,3		MON	2 0%	.80*	TTL	4	10	0 0	5.5	27nΔ			102m		-55	125	2	G01245	FP52d
42♦	JANM38510/00502CAB	1,3		MON	2.0%	.80*	TTL	4	10	0 0	5 5	27nΔ			102m		-55	125	2	G01245	FP52d
43♦	JANM38510/00502CAC	1,3		MON	2.0%	80*	TTL	4	10	0 0	5 5	27nΔ			102m		-55	125	2	G01245	FP52d
44♦	JANM38510/00502CCA	1,3		MON	2 0%	.80*	TTL	4	10	0 0	5 5	27nΔ			102m		-55	125	2	G01245	M314
45♦	JANM38510/00502CCB	1,3		MON	2 0%	80*	TTL	4	10	0 0	5 5	27nΔ			102m		-55	125	2	G01245	M314
46♦	JANM38510/00502CCC	1,3		MON	2 0%	80*	TTL	4	10	0 0	5.5	27nΔ			102m		-55	125	2	G01245	M314
47♦	JANM38510/00502CDB	1,3		MON	2 0%	80*	TTL	4	10	0.0	5 5	27nΔ			102m		-55	125	2	G01245	FP83
48♦	JANM38510/00502CDC	1,3		MON	2 0%	.80*	TTL	4	10	0.0	5 5	27nΔ			102m		-55	125	2	G01245	FP83
49♦	JANM38510/00503BAA	1,3		MON	2.0%	80*	TTL	10Δ	10	0 0	5 5	27nΔ			68m		-55	125	1	G01246	FP52d
50♦	JANM38510/00503BAB	1,3		MON	2 0%	80*	TTL	10Δ	10	0 0	5 5	27nΔ			68m		-55	125	1	G01246	FP52d
51♦	JANM38510/00503BAC	1,3		MON	2.0%	.80*	TTL	10Δ	10	0 0	5.5	27nΔ			68m		-55	125	1	G01246	FP52d
52♦	JANM38510/00503BCA	1,3		MON	2 0%	.80*	TTL	10Δ	10	0.0	5 5	27nΔ			68m		-55	125	1	G01246	M314
53♦	JANM38510/00503BCB	1,3		MON	2 0%	80*	TTL	10Δ	10	0.0	5 5	27nΔ			68m		-55	125	1	G01246	M314
54♦	JANM38510/00503BCC	1,3		MON	2 0%	80*	TTL	10Δ	10	0 0	5 5	27nΔ			68m		-55	125	1	G01246	M314
55♦	JANM38510/00503BDB	1,3		MON	2 0%	.80*	TTL	10Δ	10	0 0	5.5	27nΔ			68m		-55	125	1	G01246	FP83
56♦	JANM38510/00503BDC	1,3		MON	2 0%	.80*	TTL	10Δ	10	0 0	5 5	27nΔ			68m		-55	125	1	G01246	FP83
57♦	JANM38510/00503CAA	1,3		MON	2 0%	80*	TTL	10Δ	10	0.0	5 5	27nΔ			68m		-55	125	1	G01246	FP52d
58♦	JANM38510/00503CAB	1,3		MON	2 0%	80*	TTL	10Δ	10	0.0	5.5	27nΔ			68m		-55	125	1	G01246	FP52d
59♦	JANM38510/00503CAC	1,3		MON	2 0%	.80*	TTL	10Δ	10	0 0	5.5	27nΔ			68m		-55	125	1	G01246	FP52d
60♦	JANM38510/00503CCA	1,3		MON	2 0%	80*	TTL	10Δ	10	0 0	5 5	27nΔ			68m		-55	125	1	G01246	M314
61♦	JANM38510/00503CCB	1,3		MON	2.0%	80*	TTL	10Δ	10	0 0	5.5	27nΔ			68m		-55	125	1	G01246	M314
62♦	JANM38510/00503CCC	1,3		MON	2 0%	80*	TTL	10Δ	10	0 0	5 5	27nΔ			68m		-55	125	1	G01246	M314
63♦	JANM38510/00503CDB	1,3		MON	2 0%	80*	TTL	10Δ	10	0 0	5 5	27nΔ			68m		-55	125	1	G01246	FP83

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG No Δ=MO
1♦	JANM38510/00503CDC	1,3		MON	20%	80*	TTL	10Δ	10	00	55	27nΔ			68m		-55	125	1	G01246	FP83
2♦	JANM38510/00504BAA	1,3		MON	20%	80*	TTL	8	10	00	55	27nΔ			68m		-55	125	1	G01247	FP52d
3♦	JANM38510/00504BAB	1,3		MON	20%	80*	TTL	8	10	00	55	27nΔ			68m		-55	125	1	G01247	FP52d
4♦	JANM38510/00504BAC	1,3		MON	20%	80*	TTL	8	10	00	55	27nΔ			68m		-55	125	1	G01247	FP52d
5♦	JANM38510/00504BCA	1,3		MON	20%	80*	TTL	8	10	00	55	27nΔ			68m		-55	125	1	G01247	M314
6♦	JANM38510/00504BCB	1,3		MON	20%	80*	TTL	8	10	00	55	27nΔ			68m		-55	125	1	G01247	M314
7♦	JANM38510/00504BCC	1,3		MON	20%	80*	TTL	8	10	00	55	27nΔ			68m		-55	125	1	G01247	FP83
8♦	JANM38510/00504BDB	1,3		MON	20%	80*	TTL	8	10	00	55	27nΔ			68m		-55	125	1	G01247	FP83
9♦	JANM38510/00504BDC	1,3		MON	20%	80*	TTL	8	10	00	55	27nΔ			68m		-55	125	1	G01247	FP52d
10♦	JANM38510/00504CAA	1,3		MON	20%	80*	TTL	8	10	00	55	27nΔ			68m		-55	125	1	G01247	FP52d
11♦	JANM38510/00504CAB	1,3		MON	20%	80*	TTL	8	10	00	55	27nΔ			68m		-55	125	1	G01247	FP52d
12♦	JANM38510/00504CAC	1,3		MON	20%	80*	TTL	8	10	00	55	27nΔ			68m		-55	125	1	G01247	M314
13♦	JANM38510/00504CCB	1,3		MON	20%	80*	TTL	8	10	00	55	27nΔ			68m		-55	125	1	G01247	M314
14♦	JANM38510/00504CCC	1,3		MON	20%	80*	TTL	8	10	00	55	27nΔ			68m		-55	125	1	G01247	FP83
15♦	JANM38510/00504CDB	1,3		MON	20%	80*	TTL	8	10	00	55	27nΔ			68m		-55	125	1	G01247	M314
16♦	JANM38510/00504CDC	1,3		MON	20%	80*	TTL	8	10	00	55	27nΔ			68m		-55	125	1	G01247	M314
17▼	JANM38510/04001BAA	1,3		MON	20%	80%	TTL	6Δ	10	00	55	20nΔ			140m		-55	125	2	G02170a	FP52d
18▼	JANM38510/04001BAB	1,3		MON	20%	80%	TTL	6Δ	10	00	55	20nΔ			140m		-55	125	2	G02170a	FP52d
19▼	JANM38510/04001BAC	1,3		MON	20%	80%	TTL	6Δ	10	00	55	20nΔ			140m		-55	125	2	G02170a	FP52d
20▼	JANM38510/04001BCA	1,3		MON	20%	80%	TTL	6Δ	10	00	55	20nΔ			140m		-55	125	2	G02170	M314
21	JANM38510/04001BCB	1,3		MON	20%	80*	TTL	6Δ	10	00	55	20nΔ			140m		-55	125	2	G02170	M314
22▼	JANM38510/04001BCC	1,3		MON	20%	80%	TTL	6Δ	10	00	55	20nΔ			140m		-55	125	2	G02170	M314
23▼	JANM38510/04001CAA	1,3		MON	20%	80%	TTL	6Δ	10	00	55	20nΔ			140m		-55	125	2	G02170a	FP52d
24▼	JANM38510/04001CAB	1,3		MON	20%	80%	TTL	6Δ	10	00	55	20nΔ			140m		-55	125	2	G02170a	FP52d
25▼	JANM38510/04001CAC	1,3		MON	20%	80%	TTL	6Δ	10	00	55	20nΔ			140m		-55	125	2	G02170	M314
26▼	JANM38510/04001CCA	1,3		MON	20%	80%	TTL	6Δ	10	00	55	20nΔ			140m		-55	125	2	G02170	M314
27	JANM38510/04001CCB	1,3		MON	20%	80*	TTL	6Δ	10	00	55	20nΔ			140m		-55	125	2	G02170	M314
28▼	JANM38510/04001CCC	1,3		MON	20%	80%	TTL	6Δ	10	00	55	20nΔ			140m		-55	125	2	G01240a	FP52d
29▼	JANM38510/04002BAA	1,3		MON	20%	80%	TTL	4	10	00	55	18nΔ			140m		-55	125	2	G01240a	FP52d
30▼	JANM38510/04002BAB	1,3		MON	20%	80%	TTL	4	10	00	55	18nΔ			140m		-55	125	2	G01240a	FP52d
31▼	JANM38510/04002BAC	1,3		MON	20%	80%	TTL	4	10	00	55	18nΔ			140m		-55	125	2	G01240	M314
32▼	JANM38510/04002BCA	1,3		MON	20%	80%	TTL	4	10	00	55	18nΔ			140m		-55	125	2	G01240	M314
33	JANM38510/04002BCB	1,3		MON	20%	80*	TTL	4	10	00	55	18nΔ			140m		-55	125	2	G01240	M314
34▼	JANM38510/04002BCC	1,3		MON	20%	80%	TTL	4	10	00	55	18nΔ			140m		-55	125	2	G01240a	FP52d
35▼	JANM38510/04002CAA	1,3		MON	20%	80%	TTL	4	10	00	55	18nΔ			140m		-55	125	2	G02140a	FP52d
36▼	JANM38510/04002CAB	1,3		MON	20%	80%	TTL	4	10	00	55	18nΔ			140m		-55	125	2	G01240a	FP52d
37▼	JANM38510/04002CAC	1,3		MON	20%	80%	TTL	4	10	00	55	18nΔ			140m		-55	125	2	G01240	M314
38▼	JANM38510/04002CCA	1,3		MON	20%	80%	TTL	4	10	00	55	18nΔ			140m		-55	125	2	G01240	M314
39	JANM38510/04002CCB	1,3		MON	20%	80*	TTL	4	10	00	55	18nΔ			140m		-55	125	2	G01240	M314
40▼	JANM38510/04002CCC	1,3		MON	20%	80%	TTL	4	10	00	55	18nΔ			140m		-55	125	2	G01240	M314
41▼	JANM38510/04003BAA	1,3		MON	20%	80%	TTL	10Δ	10	00	55	20nΔ			140m		-55	125	1	G01211b	FP52d
42▼	JANM38510/04003BAB	1,3		MON	20%	80%	TTL	10Δ	10	00	55	20nΔ			140m		-55	125	1	G01211b	FP52d
43▼	JANM38510/04003BAC	1,3		MON	20%	80%	TTL	10Δ	10	00	55	20nΔ			140m		-55	125	1	G01211b	FP52d
44▼	JANM38510/04003BCA	1,3		MON	20%	80%	TTL	10Δ	10	00	55	20nΔ			140m		-55	125	1	G01211	M314
45	JANM38510/04003BCB	1,3		MON	20%	80*	TTL	10Δ	10	00	55	20nΔ			140m		-55	125	1	G01211	M314
46▼	JANM38510/04003BCC	1,3		MON	20%	80%	TTL	10Δ	10	00	55	20nΔ			140m		-55	125	1	G01211	M314
47▼	JANM38510/04003CAA	1,3		MON	20%	80%	TTL	10Δ	10	00	55	20nΔ			140m		-55	125	1	G01211b	FP52d
48▼	JANM38510/04003CAB	1,3		MON	20%	80%	TTL	10Δ	10	00	55	20nΔ			140m		-55	125	1	G01211b	FP52d
49▼	JANM38510/04003CAC	1,3		MON	20%	80%	TTL	10Δ	10	00	55	20nΔ			140m		-55	125	1	G01211b	FP52d
50▼	JANM38510/04003CCA	1,3		MON	20%	80%	TTL	10Δ	10	00	55	20nΔ			140m		-55	125	1	G01211	M314
51	JANM38510/04003CCB	1,3		MON	20%	80%	TTL	10Δ	10	00	55	20nΔ			140m		-55	125	1	G01211	M314
52▼	JANM38510/04003CCC	1,3		MON	20%	80%	TTL	10Δ	10	00	55	20nΔ			140m		-55	125	1	G01211	M314
53▼	JANM38510/04004BAA	1,3		MON	20%	80%	TTL	8	10	00	55	18nΔ			140m		-55	125	1	G02171b	FP52d
54▼	JANM38510/04004BAB	1,3		MON	20%	80%	TTL	8	10	00	55	18nΔ			140m		-55	125	1	G02171b	FP52d
55▼	JANM38510/04004BAC	1,3		MON	20%	80%	TTL	8	10	00	55	18nΔ			140m		-55	125	1	G02171b	FP52d

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1▼	JANM38510/04004BCA	1,3		MON	20%	80%	TTL	8	10	00	55	18nΔ			140m		-55	125	1	G02171a	M314
2	JANM38510/04004BCB	1,3		MON	20%	80*	TTL	8	10	00	55	18nΔ			140m		-55	125	1	G02171a	M314
3▼	JANM38510/04004BCC	1,3		MON	20%	80%	TTL	8	10	00	55	18nΔ			140m		-55	125	1	G02171a	M314
4▼	JANM38510/04004CAA	1,3		MON	20%	80%	TTL	8	10	00	55	18nΔ			140m		-55	125	1	G02171b	FP52d
5▼	JANM38510/04004CAB	1,3		MON	20%	80%	TTL	8	10	00	55	18nΔ			140m		-55	125	1	G02171b	FP52d
6▼	JANM38510/04004CAC	1,3		MON	20%	80%	TTL	8	10	00	55	18nΔ			140m		-55	125	1	G02171b	FP52d
7▼	JANM38510/04004CCA	1,3		MON	20%	80%	TTL	8	10	00	55	18nΔ			140m		-55	125	1	G02171a	M314
8	JANM38510/04004CCB	1,3		MON	20%	80*	TTL	8	10	00	55	18nΔ			140m		-55	125	1	G02171a	M314
9▼	JANM38510/04004CCC	1,3		MON	20%	80%	TTL	8	10	00	55	18nΔ			140m		-55	125	1	G02171a	M314
10▼	JANM38510/04005BAA	1,3		MON	20%	80%	TTL	10Δ	10	00	5.5	20nΔ			75m		-55	125	1	G01241a	FP52d
11▼	JANM38510/04005BAB	1,3		MON	20%	80%	TTL	10Δ	10	00	55	20nΔ			75m		-55	125	1	G01241a	FP52d
12▼	JANM38510/04005BAC	1,3		MON	20%	80%	TTL	10Δ	10	00	55	20nΔ			75m		-55	125	1	G01241a	FP52d
13▼	JANM38510/04005BCA	1,3		MON	20%	80%	TTL	10Δ	10	00	55	20nΔ			75m		-55	125	1	G01241	M314
14	JANM38510/04005BCB	1,3		MON	20%	80*	TTL	10Δ	10	00	55	20nΔ			75m		-55	125	1	G01241	M314
15▼	JANM38510/04005BCC	1,3		MON	20%	80%	TTL	10Δ	10	00	55	20nΔ			75m		-55	125	1	G01241	M314
16▼	JANM38510/04005CAA	1,3		MON	20%	80%	TTL	10Δ	10	00	55	20nΔ			75m		-55	125	1	G01241a	FP52d
17▼	JANM38510/04005CAB	1,3		MON	20%	80%	TTL	10Δ	10	00	55	20nΔ			75m		-55	125	1	G01241a	FP52d
18▼	JANM38510/04005CAC	1,3		MON	20%	80%	TTL	10Δ	10	00	55	20nΔ			75m		-55	125	1	G01241a	FP52d
19▼	JANM38510/04005CCA	1,3		MON	20%	80*	TTL	10Δ	10	00	55	20nΔ			75m		-55	125	1	G01241	M314
20	JANM38510/04005CCB	1,3		MON	20%	80*	TTL	10Δ	10	0.0	55	20nΔ			75m		-55	125	1	G01241	M314
21▼	JANM38510/04005CCC	1,3		MON	20%	80*	TTL	10Δ	10	00	55	20nΔ			75m		-55	125	1	G01241	M314
22#	MIC5450J	1,3		MON	20%	80*	TTL	6Δ	10	00	50	22nΔ			29mt	400m	-55	125	2	G01193a	TO116
23#	MIC5451J	1,3		MON	20%	80*	TTL	4	10	00	50	22nΔ			29mt	400m	-55	125	2	G01193c	TO116
24#	MIC5453J	1,3		MON	20%	80*	TTL	10Δ	10	0.0	50	22nΔ			23mt	400m	-55	125	1	G01194a	TO116
25#	MIC5454J	1,3		MON	20%	80*	TTL	8	10	00	50	22nΔ			23mt	400m	-55	125	1	G01194c	TO116
26#	MIC6450J	1,3		MON	20%	80*	TTL	6Δ	10	0.0	50	22nΔ			29mt	400m	-40	85	2	G01193a	TO116
27#	MIC6451J	1,3		MON	20%	80*	TTL	4	10	00	50	22nΔ			29mt	400m	-40	85	2	G01193c	TO116
28#	MIC6453J	1,3		MON	20%	80*	TTL	10Δ	10	00	50	22nΔ			23mt	400m	-40	85	1	G01194a	TO116
29#	MIC6454J	1,3		MON	20%	80*	TTL	8	10	00	50	22nΔ			23mt	400m	-40	85	1	G01194c	TO116
30#	MIC7450J	1,3		MON	20%	80*	TTL	6Δ	10	00	5.0	22nΔ			29mt	400m	0	75	2	G01193a	TO116
31#	MIC7450N	1,3		MON	20%	80*	TTL	6Δ	10	00	50	22nΔ			29mt	400m	0	75	2	G01193a	M126
32#	MIC7451J	1,3		MON	20%	80*	TTL	4	10	00	50	22nΔ			29mt	400m	0	75	2	G01193c	TO116
33#	MIC7451N	1,3		MON	20%	80*	TTL	4	10	00	50	22nΔ			29mt	400m	0	75	2	G01193c	M126
34#	MIC7453J	1,3		MON	20%	80*	TTL	10Δ	10	00	50	22nΔ			23mt	400m	0	75	1	G01194a	TO116
35#	MIC7453N	1,3		MON	20%	80*	TTL	10Δ	10	00	50	22nΔ			23mt	400m	0	75	1	G01194a	M126
36#	MIC7454J	1,3		MON	20%	80*	TTL	8	10	00	5.0	22nΔ			23mt	400m	0	75	1	G01194c	TO116
37#	MIC7454N	1,3		MON	20%	80*	TTL	8	10	00	50	22nΔ			23mt	400m	0	75	1	G01194c	M126
38	N74H50A	1,3		MON	20%	80*	TTL	6†	10	00	5.0	11n%					0	70	2	G03269b	TO116
39	N74H50Q	1,3		MON	20%	80*	TTL	6†	10	0.0	50	11n%					0	70	2	G03269c	TO88
40	N74H51A	1,3		MON	20%	80*	TTL	4	10	0.0	50	11n%					0	70	2	G03269d	TO116
41	N74H51Q	1,3		MON	20%	80*	TTL	4	10	00	50	11n%					0	70	2	G03269e	TO88
42	N74H53A	1,3		MON	20%	80*	TTL	11Δ	10	0.0	50	11nΔ					0	75	1	G03268	TO116
43	N74H53J	1,3		MON	20%	80*	TTL	11Δ	10	00	50	11nΔ					0	75	1	G03268a	TO88
44	N74H54A	1,3		MON	20%	80*	TTL	9	10	00	50	11nΔ					0	75	1	G03268b	TO116
45	N74H54J	1,3		MON	20%	80*	TTL	9	10	00	5.0	11nΔ					0	75	1	G03268c	TO88
46	N74H55A	1,3		MON	20%	80*	TTL	10Δ	10	0.0	50	11nΔ					0	75	1	G03269	TO116
47	N74H55J	1,3		MON	20%	80*	TTL	10Δ	10	00	50	11nΔ					0	75	1	G03269a	TO88
48▼	RSN54H56H	1,3		MON	20%	80*	TTL	6		00	50	15nΔ			125m%		-55	125	2	G01250	FP69b
49▼	RSN54H57H	1,3		MON	20%	80*	TTL	11		00	50	15nΔ			80m%		-55	125	1	G01251	FP69b
50▼	RSN54H58H	1,3		MON	20%	80*	TTL	8		0.0	50	15nΔ			65m%		-55	125	1	G01250a	FP69b
51▼	RSN54H66H	1,3		MON	20%	80*	TTL	5		0.0	50	15nΔ			125m%		-55	125	2	G01250b	FP69b
52▼	RSN5456H	1,3		MON	20%	80*	TTL	6		00	50	20nΔ			70m%		-55	125	2	G01250	FP69b
53▼	RSN5457H	1,3		MON	20%	80*	TTL	11		00	50	20nΔ			50m%		-55	125	1	G01251	FP69b
54▼	RSN5458H	1,3		MON	20%	80*	TTL	8		00	50	20nΔ			35m%		-55	125	1	G01250a	FP69b
55	S54H50A	1,3		MON	20%	80*	TTL	6†	10	00	50	11n%					-55	125	2	G03269b	TO116
56	S54H50Q	1,3		MON	20%	80*	TTL	6†	10	0.0	50	11n%					-55	125	2	G03269c	TO88
57	S54H51A	1,3		MON	20%	80*	TTL	4	10	00	5.0	11n%					-55	125	2	G03269d	TO116
58	S54H51Q	1,3		MON	20%	80*	TTL	4	10	0.0	50	11n%					-55	125	2	G03269e	TO88
59	S54H53A	1,3		MON	20%	80*	TTL	11Δ	10	00	50	11nΔ					-55	125	1	G03268	TO116
60	S54H53J	1,3		MON	20%	80*	TTL	11Δ	10	00	5.0	11nΔ					-55	125	1	G03268a	TO88
61	S54H54A	1,3		MON	20%	80*	TTL	9	10	0.0	50	11nΔ					-55	125	1	G03268b	TO116
62	S54H54J	1,3		MON	20%	80*	TTL	9	10	00	5.0	11nΔ					-55	125	1	G03268c	TO88
63	S54H55A	1,3		MON	20%	80*	TTL	10Δ	10	00	5.0	11nΔ					-55	125	1	G03269	TO116
64	S54H55J	1,3		MON	20%	80*	TTL	10Δ	10	00	50	11nΔ					-55	125	1	G03269a	TO88
65	SN54S64J	1,3		MON	20%	80*	TTL	11	20	00	50	3.5n			39mt	10Δ	-55	125	1	G01228a	M157b
66	SN54S64N	1,3		MON	20%	80*	TTL	11	20	00	50	3.5nt			39mt	10Δ	-55	125	1	G01228a	M126e
67	SN54S64W	1,3		MON	20%	80*	TTL	11	20	00	50	3.5nt			39mt	10Δ	-55	125	1	G01228a	Δ004AA
68	SN54S65J	1,3		MON	20%	80*	TTL	11	10	00	5.0	5.0n			36mt	10Δ	-55	125	1	G01228	M157b
69	SN54S65N	1,3		MON	20%	80*	TTL	11	10	0.0	5.0	5.0nt			36mt	10Δ	-55	125	1	G01228	M126e
70	SN54S65W	1,3		MON	20%	80*	TTL	11	10	0.0	50	5.0nt			36mt	10Δ	-55	125	1	G01228	Δ004AA
71	SN74S64J	1,3		MON	20%	80*	TTL	11	20	00	50	3.5n			39mt	10Δ	0	70	1	G01228a	M157b
72	SN74S64N	1,3		MON	20%	80*	TTL	11	20	0.0	50	3.5nt			39mt	1.0Δ	0	70	1	G01228a	M126e
73	SN74S64W	1,3		MON	20%	80*	TTL	11	20	00	50	3.5nt			39mt	10Δ	0	70	1	G01228a	Δ004AA
74	SN74S65J	1,3		MON	20%	80*	TTL	11	10	00	50	5.0n			36mt	10Δ	0	70	1	G01228	M157b
75	SN74S65N	1,3		MON	20%	80*	TTL	11	10	00	50	5.0nt			36mt	1.0Δ	0	70	1	G01228	M126e
76	SN74S65W	1,3		MON	20%	80*	TTL	11	10	00	50	5.0nt			36mt	10Δ	0	70	1	G01228	Δ004AA
77	TG54S50F	1,3		MON	20%	80*	TTL	6†	20	00	50	5.5nΔ			80m§		-55	125	2	G03248	TO86
78	TG54S50J	1,3		MON	20%	80*	TTL	6†	20	00	50	5.5nΔ			80m§		-55	125	2	G03248	M157c
79	TG54S51F	1,3		MON	20%	80*	TTL	6†	20	00	50	5.5nΔ			80m§		-55	125	2	G03248	TO86
80	TG54S51J	1,3		MON	20%	80*	TTL	6†	20	00	50	5.5nΔ			80m§		-55	125	2	G03248	M157c
81	TG54S64F	1,3		MON	20%	80*	TTL	11	20	00	5.0	5.5nΔ			80m§		-55	125	1	G01228a	TO86
82	TG54S64J	1,3		MON	20%	80*	TTL	11	20	00	50	5.5nΔ			80m§		-55	125	1	G01228a	M157c
83	TG54S65F	1,3		MON	20%	80*	TTL	11	20	00	50	8.5nΔ			80m§		-55	125	1	G01228	TO86
84	TG54S65J	1,3		MON	20%	80*	TTL	11	20	0.0	50	8.5nΔ			80m§		-55	125	1	G01228	M157c
85	TG74S50F	1,3		MON	20%	80*	TTL	6†	20	00	50	5.5nΔ			80m§		0	70	2	G03248	TO86
86	TG74S50J	1,3		MON	20%	80*	TTL	6†	20	00	50	5.5nΔ			80m§		0	70	2	G03248	M157c
87	TG74S51F	1,3		MON	20%	80*	TTL	6†	20	00	50	5.5nΔ			80m§		0	70	2	G03248	TO86
88	TG74S51J	1,3		MON	20%	80*	TTL	6†	20	00	50	5.5nΔ			80m§		0	70	2	G03248	M157c
89	TG74S64F	1,3		MON	20%	80*	TTL	11	20	00	50	5.5nΔ			80m§		0	70	1	G01228a	TO86

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	TG74S64J	1,3		MON	2.0%	80*	TTL	11	20	0.0	5 0	5.5nΔ			80mS		0	70	1	G01228a	M157c
2	TG74S65F	1,3		MON	2.0%	80*	TTL	11	20	0.0	5 0	8 5nΔ			80mS		0	70	1	G01228	TO86
3	TG74S65J	1,3		MON	2.0%	80*	TTL	11	20	0.0	5 0	8.5nΔ			80mS		0	70	1	G01228	M157c
4	HEPC3050P-RT	1,3		MON	2 4%	.40*†	TTL	6†	10	0 0	5.0	13n			28m†				2	G01193a	TO116
5	MC2012F	1,3		MON	2 4%	.40*†	TTL	10Δ	9	0.0	5.0	6.0n%			39m†		0	75	1	G03223	TO86
6	MC2012L,P%	1,3		MON	2 4%	.40*†	TTL	10Δ	9	0.0	5.0	6.0n%			39m†		0	75	1	G03223	TO116
7	MC2062F	1,3		MON	2.4%	40*†	TTL	10Δ	5	0.0	5 0	6.0n%			39m†		0	75	1	G03223	TO86
8	MC2062L,P%	1,3		MON	2.4%	.40*†	TTL	10Δ	5	0.0	5.0	6 0n%			39m†		0	75	1	G03223	TO116
9	MC2112F	1,3		MON	2.4%	40*†	TTL	10Δ	11	0.0	5.0	6.0n%			39m†		-55	125	1	G03223	TO86
10	MC2112L	1,3		MON	2.4%	.40*†	TTL	10Δ	11	0.0	5.0	6.0n%			39m†		-55	125	1	G03223	TO116
11	MC2162F	1,3		MON	2.4%	40*†	TTL	10Δ	6	0.0	5 0	6.0n%			39m†		-55	125	1	G03223	TO86
12	MC2162L	1,3		MON	2.4%	40*†	TTL	10Δ	6	0.0	5 0	6.0n%			39m†		-55	125	1	G03223	TO116
13	MC3020L,P%	1,3		MON	2.4%	.40*†	TTL	9Δ	10	0.0	5 0	6.0n%			62m†		0	75	2	G01184	TO116
14	MC3023L,P%	1,3		MON	2.4%	.40*†	TTL	4	10	0.0	5.0	6.0n%			62m†		0	75	2	G01184	TO116
15	MC3032F	1,3		MON	2.4%	.40*†	TTL	10Δ	10	0.0	5 0	7 0n%			40m†		0	75	1	G01211	TO86
16	MC3032L,P%	1,3		MON	2.4%	.40*†	TTL	10Δ	10	0.0	5.0	7.0n%			40m†		0	75	1	G01211	TO116
17	MC3033L,P%	1,3		MON	2.4%	.40*†	TTL	9	10	0.0	5.0	7.0n%			40m†		0	75	1	G01211a	TO116
18	MC3034F	1,3		MON	2.4%	40*†	TTL	9Δ	10	0.0	5 0	7.0n%			30m†		0	75	1	G01212	TO86
19	MC3034L,P%	1,3		MON	2.4%	40*†	TTL	9Δ	10	0 0	5.0	7.0n%			30m†		0	75	1	G01212	TO116
20	MC3120L	1,3		MON	2.4%	.40*†	TTL	9Δ	10	0.0	5.0	6.0n%			62m†		-55	125	2	G01184	TO116
21	MC3123L	1,3		MON	2 4%	.40*†	TTL	4	10	0.0	5.0	6.0n%			62m†		-55	125	2	G01184	TO116
22	MC3132F	1,3		MON	2 4%	.40*†	TTL	10Δ	10	0.0	5.0	7 0n%			40m†		-55	125	1	G01211	TO86
23	MC3132L	1,3		MON	2 4%	40*†	TTL	10Δ	10	0.0	5.0	7.0n%			40m†		-55	125	1	G01211	TO116
24	MC3133L	1,3		MON	2.4%	40*†	TTL	9	10	0.0	5 0	7.0n%			40m†		-55	125	1	G01211a	TO116
25	MC3134F	1,3		MON	2.4%	.40*†	TTL	9Δ	10	0.0	5.0	7.0n%			30m†		-55	125	1	G01212	TO86
26	MC3134L	1,3		MON	2 4%	.40*†	TTL	9Δ	10	0.0	5.0	7 0n%			30m†		-55	125	1	G01212	TO116
27	MCB5450F	1,3		MON	2 4%	.40*†	TTL	6†	10	0.0	5 0	13n			28m†		-55	125	2	G01193	FP77
28	MCB5451F	1,3		MON	2 4%	.40*†	TTL	4	10	0 0	5.0	13n			28m†		-55	125	2	G03267a	FP77
29	MCB5453F	1,3		MON	2.4%	40*†	TTL	10Δ	10	0 0	5.0	13n			22m†		-55	125	1	G01213a	TO86
30	MCB5454F	1,3		MON	2.4%	40*†	TTL	8	10	0.0	5 0	13n			22m†		-55	125	1	G01214a	TO86
31	MCBC5450	1,3		MON	2 4%	.40*†	TTL	6†	10	0.0	5.0	13n			28m%		-55	125	2	G01193	FC1
32	MCBC5451	1,3		MON	2.4%	.40*†	TTL	4	10	0.0	5.0	13n			28m†		-55	125	2	G03267a	FC1
33	MCBC5453	1,3		MON	2 4%	40*†	TTL	10Δ	10	0.0	5 0	13n			22m†		-55	125	1	G01213a	FC1
34	MCBC5454	1,3		MON	2 4%	40*†	TTL	8	10	0.0	5 0	13n			22m†		-55	125	1	G01214a	FC1
35	M141	1,3	10M	PCB	2.4	.40	TTL	1	10	0	5	25n	25n	15n	250m	1.0	0	70	4		
36	MC5450F	1,3	30MΔ	MON	2.4%	.40*†	TTL	6†	10	0.0	5 0	13n			28m†		-55	125	2	G01193	TO86
37	MC5450L	1,3	30MΔ	MON	2.4%	.40*†	TTL	5†	10	0.0	5.0	13n%			28m†		-55	125	2	G01193a	TO116
38	MC5451F	1,3	30MΔ	MON	2.4%	.40*†	TTL	4	10	0.0	5 0	13n			28m†		-55	125	2	G01193b	TO86
39	MC5451L	1,3	30MΔ	MON	2.4%	40*†	TTL	4	10	0 0	5.0	13n%			28m†		-55	125	1	G01193c	TO116
40	MC5453F	1,3	30MΔ	MON	2.4%	40*†	TTL	10Δ	10	0.0	5 0	13n			22m†		-55	125	1	G01194	TO86
41	MC5453L	1,3	30MΔ	MON	2.4%	.40*†	TTL	9Δ	10	0.0	5 0	13n%			22m†		-55	125	1	G01194a	TO116
42	MC5454F	1,3	30MΔ	MON	2.4%	40*†	TTL	8	10	0.0	5 0	13n			22m†		-55	125	1	G01194b	TO86
43	MC5454L	1,3	30MΔ	MON	2.4%	.40*†	TTL	8	10	0.0	5 0	13n%			22m†		-55	125	1	G01194c	TO116
44	MC7450F	1,3	30MΔ	MON	2 4%	.40*†	TTL	6†	10	0.0	5.0	13n			28m†		-55	125	2	G01193	TO86
45	MC7450L,P%	1,3	30MΔ	MON	2 4%	40*†	TTL	5†	10	0.0	5 0	13n%			28m†		0	70	2	G01193a	TO116
46	MC7451F	1,3	30MΔ	MON	2.4%	.40*†	TTL	4	10	0.0	5 0	13n			28m†		0	70	2	G01193b	TO86
47	MC7451L,P%	1,3	30MΔ	MON	2 4%	.40*†	TTL	4	10	0.0	5 0	13n%			28m†		0	70	1	G01193c	TO116
48	MC7453F	1,3	30MΔ	MON	2.4%	40*†	TTL	10Δ	10	0.0	5 0	13n			22m†		0	70	1	G01194	TO86
49	MC7453L,P%	1,3	30MΔ	MON	2 4%	.40*†	TTL	9Δ	10	0.0	5.0	13n%			22m†		0	70	1	G01194a	TO116
50	MC7454F	1,3	30MΔ	MON	2.4%	40*†	TTL	8	10	0.0	5.0	13n			22m†		0	70	1	G01194b	TO86
51	MC7454L,P%	1,3	30MΔ	MON	2 4%	.40*†	TTL	8	10	0.0	5.0	13n%			22m†		0	70	1	G01194c	TO116
52	MC2000F	1,3		MON	2.4%	.45*†	TTL	9Δ	9	0.0	5.0	7 0n%			27m†		0	75	1	G03226	TO86
53	MC2000L,P%	1,3		MON	2 4%	.45*†	TTL	9Δ	9	0.0	5.0	7 0n%			27m†		0	75	1	G03226	TO116
54	MC2004F	1,3		MON	2.4%	.45*†	TTL	10Δ	9	0.0	5 0	7.0n%			36m†		0	75	1	G03221	TO86
55	MC2004L,P%	1,3		MON	2.4%	45*†	TTL	10Δ	9	0 0	5.0	7.0n%			36m†		0	75	1	G03221	TO116
56	MC2013F	1,3		MON	2.4%	.45*†	TTL	9Δ	9	0.0	5.0	7.0n%			58m†		0	75	2	G03227	TO86
57	MC2013L,P%	1,3		MON	2.4%	45*†	TTL	9Δ	9	0.0	5 0	7.0n%			58m†		0	75	2	G03227	TO116
58	MC2050F	1,3		MON	2.4%	45*†	TTL	9Δ	5	0.0	5.0	7.0n%			27m†		0	75	1	G03226	TO86
59	MC2050L,P%	1,3		MON	2.4%	.45*†	TTL	9Δ	5	0.0	5.0	7 0n%			27m†		0	75	1	G03226	TO116
60	MC2054F	1,3		MON	2 4%	.45*†	TTL	10Δ	5	0.0	5.0	7 0n%			36m†		0	75	1	G03221	TO86
61	MC2054L,P%	1,3		MON	2 4%	.45*†	TTL	10Δ	5	0.0	5.0	7 0n%			36m†		0	75	1	G03221	TO116
62	54R64	1,3			2.7	40	TTL	4†	10	0.0	5.0	9.0n			62m		-55	125			
63	RG212BL	1,3		MON	3.0%	.40*	TTL	10Δ	9	0 0	5.0	11nΔ	4 5n	3.0n	22m†	1.0	0	75	1	G01163	FC5a
64	RG213BL	1,3		MON	3.0%	40*	TTL	10Δ	5	0.0	5.0	11nΔ	4.5n	3.0n	22m†	1.0	0	75	1	G01163	FC5a
65	RG252BL	1,3		MON	3.0%	.40*	TTL	10Δ	9	0.0	5.0	12nΔ	4.5n	3.0n	22m†	1.0	0	75	1	G01164	FC5a
66	RG253BL	1,3		MON	3.0%	.40*	TTL	10Δ	5	0.0	5.0	12nΔ	4.5n	3.0n	22m†	1.0	0	75	1	G01164	FC5a
67	RG210BL	1,3		MON	3.1%	.40*	TTL	10Δ	11	0.0	5.0	11nΔ	4.5n	3.0n	22m†	1.0	-55	125	1	G01163	FC5a
68	RG211BL	1,3		MON	3.1%	.40*	TTL	10Δ	6	0.0	5.0	11nΔ	4.5n	3.0n	22m†	1.0	-55	125	1	G01163	FC5a
69	RG250BL	1,3		MON	3.1%	.40*	TTL	10Δ	11	0 0	5.0	12nΔ	4.5n	3.0n	22m†	1.0	-55	125	1	G01164	FC5a
70	RG251BL	1,3		MON	3.1%	40*	TTL	10Δ	6	0.0	5.0	12nΔ	4.5n	3.0n	22m†	1.0	-55	125	1	G01164	FC5a
71	MC401F	1,3		MON	3 3	.26	TTL	10Δ	12	0.0	5.0	12n	8.0n	6.0n	30m†	900m	0	75	1	G03222	TO86
72	MC401L,P%	1,3		MON	3.3	.26	TTL	10Δ	12	0.0	5.0	12n	8.0n	6.0n	30m†	900m	0	75	1	G03222	TO116
73	MC404F	1,3		MON	3.3	.26	TTL	10Δ	12	0.0	5.0	12n	8.0n	6.0n	25m†	900m	0	75	1	G03223	TO86
74	MC404L,P%	1,3		MON	3 3	.26	TTL	10Δ	12	0.0	5.0	12n	8.0n	6.0n	25m†	900m	0	75	1	G03223	TO116
75	MC405F	1,3		MON	3.3	.26	TTL	9Δ	12	0.0	5.0	12n	8.0n	6.0n	20m†	900m	0	75	1	G03224	TO86
76	MC405L,P%	1,3		MON	3.3	.26	TTL	9Δ	12	0 0	5.0	12n	8.0n	6.0n	20m†	900m	0	75	1	G03224	TO116
77	MC420F	1,3		MON	3.3	.26	TTL	5†	12	0.0	5 0	12n	8.0n	6.0n	40m†	900m	0	75	2	G03225	TO86
78	MC420L,P%	1,3		MON	3.3	.26	TTL	5†	12	0.0	5.0	12n	8.0n	6.0n	40m†	900m	0	75	2	G03225	TO116
79	MC451F	1,3		MON	3.3	.26	TTL	10Δ	6	0.0	5.0	12n	8.0n	6.0n	30m†	900m	0	75	1	G03223	TO86
80	MC451L,P%	1,3		MON	3 3	.26	TTL	10Δ	6	0.0	5.0	12n	8.0n	6 0n	30m†	900m	0	75	1	G03223	TO116
81	MC454F	1,3		MON	3.3	26	TTL	10Δ	6	0.0	5.0	12n	8.0n	6 0n	25m†	900m	0	75	1	G03233	TO86
82	MC454L,P%	1,3		MON	3.3	.26	TTL	10Δ	6	0.0	5.0	12n	8 0n	6.0n	25m†	900m	0	75	1	G03223	TO116
83	MC455F	1,3		MON	3.3	.26	TTL	9Δ	6	0.0	5.0	12n	8.0n	6.0n	20m†	900m	0	75	1	G03224	TO86
84	MC455L,P%	1,3		MON	3 3	26	TTL	9Δ	6	0.0	5.0	12n	8.0n	6.0n	20m†	900m	0	75	1	G03224	TO116
85	MC470F	1,3		MON	3.3	.26	TTL	5†	6	0 0	5.0	12n	8 0n	6.0n	40m†	900m	0	75	2	G03225	TO86
86	MC470L,P%	1,3		MON	3.3	.26	TTL	5†	6	0.0	5.0	12n	8.0n	6.0n	40m†	900m	0	75	2	G03225	TO116
87	MC501F	1,3		MON	3.3	.26	TTL	10Δ	15	0.0	5 0	12n	8.0n	6.0n	30m†	900m	-55	125	1	G03222	TO86
88	MC504F	1,3		MON	3.3	.26	TTL	10Δ	15	0 0	5.0	12n	8.0n	6.0n	25m†	900m	-55	125	1	G03223	TO86
89	MC505F	1,3		MON	3.3	.26	TTL	9Δ	15	0.0	5.0	12n	8.0n	6 0n	20m†	900m	-55	125	1	G03224	TO86
90	MC520F	1,3		MON	3.3	.26	TTL	5†	15	0.0	5.0	12n	8 0n	6.0n	40m†	900m	-55	125	2	G03225	TO86
91	MC551F	1,3		MON	3 3	.26	TTL	10Δ	7	0 0	5.0	12n	8.0n	6.0n	30m†		-55	125	1	G03222	TO86
92	MC554F	1,3		MON	3.3	.26	TTL	10Δ	7	0.0	5.0	12n	8.0n	6 0n	25m†	900m	-55	125	1	G03223	TO86
93	MC555F	1,3		MON	3.3	.26	TTL	9Δ	7	0 0	5.0	12n	8 0n	6 0n	20m†	900m	-55	125	1	G03224	TO86
94	MC570F	1,3		MON	3 3	.26	TTL	5†	7	0.0	5.0	12n	8.0n	6.0n	40m†	900m	-55	125	2	G03225	TO86
95	TRWG210#1	1,3		MON	3.3	.26	TTL	9	11	0.0	5.0	6.0n	3.0n	4.5n	44m	1.0	-55	125	1	G01163	M157
96	TRWG210#2	1,3		MON	3 3	.26	TTL	9	11	0 0	5.0	6 0n	3.0n	4.5n	44m	1.0	-55	125	1	G01163	M126
97	TRWG250#1	1,3		MON	3 3	.26	TTL	10	11	0.0	5.0	6 0n	3.0n	4 5n	156m	1.0	-55	125	1	G01164	M157
98	TRWG250#2	1,3		MON	3 3	.26	TTL	10	11	0.0	5 0	6.0n	3.0n	4 5n	156m	1.0	-55	125	1	G01164	M126
99	SNG70J	1,3	20M	MON	3 3	26	TTL	6†	15†	0 0	5 0	12n	6.0n	8.0n	40m	900m	-55	125	2	G01156	M157b
100	SNG70W	1,3	20M	MON	3 3	.26	TTL	6†	15†	0.0	5 0	12n	6.0n	8.0n	40m	900m	-55	125	2	G01156	Δ004AF
101	SNG71J	1,3	20M	MON	3 3	.26	TTL	6†	7†	0 0	5.0	12n	6.0n	8.0n	40m	900m	-55	125	2	G01156	M157b
102	SNG71W	1,3	20M	MON	3.3	.26	TTL	6†	7†	0 0	5.0	12n	6 0n	8 0n	40m	900m	-55	125	2	G01156	Δ004AF
103	SNG72J	1,3	20M	MON	3 3	.26	TTL	6†	12†	0.0	5.0	12n	6 0n	8.0n	40m	900m	0	75	2	G01156	M157b
104	SNG72W	1,3	20M	MON	3.3	.26	TTL	6†	12†	0.0	5.0	12n	6 0n	8.0n	40m	900m	0	75	2	G01156	Δ004AF
105	SNG73J	1,3	20M	MON	3.3	.26	TTL	6†	6†	0.0	5 0	12n	6.0n	8.0n	40m	900m	0	75	2	G01156	M157b
106	SNG73W	1,3	20M	MON	3 3	.26	TTL	6†	6†	0 0	5.0	12n	6 0n	8.0n	40m	900m	0	75	2	G01156	Δ004AF
107	TG70F	1,3	20M	MON	3.3	.26	TTL	6†	15†	0 0	5.0	12n	6.0n	8.0n	40m	900m	-55	125	2	G01156	FP18
108	TG70J	1,3	20M	MON	3 3	26	TTL	6†	15†	0.0	5 0	12n	6 0n	8 0n	40m	900m	-55	125	2	G01156	M75
109	TG71F	1,3	20M	MON	3.3	.26	TTL	6†	15†	0.0	5 0	12n	6.0n	8 0n	40m	900m	-55	125	2	G01156	FP18

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	2 TYPE	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	TG71J	1,3	20M	MON	3 3	26	TTL	6†	15†	0.0	5.0	12n	6.0n	8.0n	40m	900m	-55	125	2	G01156	M75
2	TG72F	1,3	20M	MON	3.3	26	TTL	6†	15†	0 0	5 0	12n	6.0n	8 0n	40m	900m	0	75	2	G01156	FP18
3	TG72J	1,3	20M	MON	3 3	.26	TTL	6†	15†	0.0	5 0	12n	6.0n	8.0n	40m	900m	0	75	2	G01156	M75
4	TG73F	1,3	20M	MON	3.3	26	TTL	6†	15†	0 0	5.0	12n	6 0n	8.0n	40m	900m	0	75	2	G01156	FP18
5	TG73J	1,3	20M	MON	3 3	.26	TTL	6†	15†	0.0	5.0	12n	6 0n	8.0n	40m	900m	0	75	2	G01156	M75
6	TRWG70#1	1,3	20M	MON	3.3	26	TTL	6	15	0.0	5.0	12n	6.0n	8.0n	40m	900m	-55	125	2	G01156	M157
7	TRWG70#2	1,3	20M	MON	3 3	26	TTL	6	15	0.0	5 0	12n	6.0n	8.0n	40m	900m	-55	125	2	G01156	M126
8	MC2063F	1,3		MON	3 5	25†	TTL	5†	5	0 0	7 0	8.0n	4 5n	3 0n	58m†	1.0	0	75	2	G03227	TO86
9	MC2063L,P%	1,3		MON	3 5	.25†	TTL	5†	5	0 0	7 0	8.0n	4.5n	3.0n	58m†	1.0	0	75	2	G03227	TO116
10	MC2100F	1,3		MON	3.5	.25†	TTL	9Δ	11	0.0	8.0	6.0n	4 5n	3.0n	27m†	1.0	-55	125	1	G03226	TO86
11	MC2104F	1,3		MON	3.5	.25†	TTL	10Δ	11	0.0	8.0	7.0n	4 5n	3.0n	36m†	1 0	-55	125	1	G03221	TO86
12	MC2113F	1,3		MON	3.5	25†	TTL	5†	11	0.0	8.0	8.0n	4.5n	3.0n	58m†	1.0	-55	125	2	G03227	TO86
13	MC2150F	1,3		MON	3.5	.25†	TTL	9Δ	6	0.0	8.0	6.0n	4.5n	3.0n	27m†	1.0	-55	125	1	G03226	TO86
14	MC2154F	1,3		MON	3.5	25†	TTL	10Δ	6	0 0	8.0	7.0n	4 5n	3.0n	36m†	1.0	-55	125	1	G03221	TO86
15	MC2163F	1,3		MON	3.5	.25†	TTL	5†	6	0.0	8.0	8.0n	4.5n	3.0n	58m†	1.0	-55	125	2	G03227	TO86
16	SNG210J	1,3		MON	3 5	25	TTL	9Δ	11	0.0	5 0	6.0n	3 0n	4.5n	44m	1 0	-55	125	1	G01163	M157b
17	SNG210W	1,3		MON	3.5	.25	TTL	9Δ	11	0.0	5.0	6.0n	3.0n	4.5n	44m	1.0	-55	125	1	G01163	Δ004AF
18	SNG211J	1,3		MON	3 5	25	TTL	9Δ	6	0.0	5 0	6 0n	3.0n	4.5n	44m	1 0	-55	125	1	G01163	M157b
19	SNG211W	1,3		MON	3 5	25	TTL	9Δ	6	0 0	5.0	6.0n	3.0n	4 5n	44m	1 0	-55	125	1	G01163	Δ004AF
20	SNG212J	1,3		MON	3 5	.25	TTL	9Δ	9	0.0	5.0	6.0n	3.0n	4.5n	44m	1.0	0	75	1	G01163	M157b
21	SNG212W	1,3		MON	3.5	.25	TTL	9Δ	9	0.0	5 0	6.0n	3.0n	4.5n	44m	1.0	0	75	1	G01163	Δ004AF
22	SNG213J	1,3		MON	3.5	.25	TTL	9Δ	5	0.0	5.0	6.0n	3 0n	4 5n	44m	1.0	0	75	1	G01163	M157b
23	SNG213W	1,3		MON	3.5	.25	TTL	9Δ	5	0.0	5 0	6 0n	3.0n	4 5n	44m	1.0	0	75	1	G01163	Δ004AF
24	SNG250J	1,3		MON	3.5	25	TTL	10Δ	11	0.0	5 0	6.0n	3.0n	4.5n	156m	1 0	-55	125	1	G01164	M157b
25	SNG250W	1,3		MON	3.5	.25	TTL	10Δ	11	0.0	5.0	6.0n	3.0n	4.5n	156m	1 0	-55	125	1	G01164	Δ004AF
26	SNG251J	1,3		MON	3.5	25	TTL	10Δ	6	0 0	5 0	6.0n	3 0n	4.5n	156m	1 0	-55	125	1	G01164	M157b
27	SNG251W	1,3		MON	3 5	.25	TTL	10Δ	6	0.0	5.0	6.0n	3.0n	4 5n	156m	1.0	-55	125	1	G01164	Δ004AF
28	SNG252J	1,3		MON	3.5	.25	TTL	10Δ	9	0.0	5 0	6.0n	3.0n	4.5n	156m	1.0	0	75	1	G01164	M157b
29	SNG252W	1,3		MON	3.5	.25	TTL	10Δ	9	0.0	5 0	6 0n	3 0n	4.5n	156m	1.0	0	75	1	G01164	Δ004AF
30	SNG253J	1,3		MON	3 5	25	TTL	10Δ	5	0 0	5.0	6.0n	3.0n	4 5n	156m	1.0	0	75	1	G01164	M157b
31	SNG253W	1,3		MON	3.5	25	TTL	10Δ	5	0 0	5 0	6.0n	3 0n	4.5n	156m	1.0	0	75	1	G01164	Δ004AF
32	SNG300J	1,3		MON	3.5	25	TTL	10Δ	11	0.0	5.0	6 0n	3.0n	4.5n	36m	1.0	-55	125	1	G01159	M157b
33	SNG300W	1,3		MON	3.5	.25	TTL	10Δ	11	0.0	5 0	6.0n	3.0n	4.5n	36m	1.0	-55	125	1	G01159	Δ004AF
34	SNG301J	1,3		MON	3.5	.25	TTL	10Δ	6	0.0	5.0	6.0n	3 0n	4 5n	36m	1.0	-55	125	1	G01159	M157b
35	SNG301W	1,3		MON	3 5	25	TTL	10Δ	6	0.0	5 0	6 0n	3.0n	4 5n	36m	1.0	-55	125	1	G01159	Δ004AF
36	SNG302J	1,3		MON	3 5	.25	TTL	10Δ	9	0.0	5 0	6.0n	3 0n	4.5n	36m	1.0	0	75	1	G01159	M157b
37	SNG302W	1,3		MON	3.5	.25	TTL	10Δ	9	0.0	5 0	6.0n	3 0n	4 5n	36m	1.0	0	75	1	G01159	Δ004AF
38	SNG303J	1,3		MON	3 5	25	TTL	10Δ	5	0.0	5 0	6 0n	3.0n	4 5n	36m	1.0	0	75	1	G01159	M157b
39	SNG303W	1,3		MON	3.5	25	TTL	10Δ	5	0.0	5.0	6.0n	3.0n	4.5n	36m	1.0	0	75	1	G01159	Δ004AF
40	SNG310J	1,3		MON	3 5	25	TTL	6†	11	0.0	5.0	6.0n	3 0n	4 5n	174m	1.0	-55	125	2	G01158	M157b
41	SNG310W	1,3		MON	3 5	25	TTL	6†	11	0 0	5 0	6 0n	3.0n	4 5n	174m	1.0	-55	125	2	G01158	Δ004AF
42	SNG311J	1,3		MON	3 5	.25	TTL	6†	6	0.0	5 0	6 0n	3.0n	4 5n	174m	1.0	-55	125	2	G01158	M157b
43	SNG311W	1,3		MON	3 5	25	TTL	6†	6	0.0	5 0	6.0n	3 0n	4.5n	174m	1.0	-55	125	2	G01158	Δ004AF
44	SNG312J	1,3		MON	3 5	25	TTL	6†	9	0.0	5.0	6.0n	3 0n	4.5n	174m	1.0	0	75	2	G01158	M157b
45	SNG312W	1,3		MON	3.5	.25	TTL	6†	9	0 0	5.0	6.0n	3 0n	4.5n	174m	1.0	0	75	2	G01158	Δ004AF
46	SNG313J	1,3		MON	3.5	25	TTL	6†	5	0.0	5 0	6.0n	3.0n	4.5n	174m	1.0	0	75	2	G01158	M157b
47	SNG313W	1,3		MON	3.5	25	TTL	6†	5	0 0	5.0	6.0n	3.0n	4.5n	174m	1 0	0	75	2	G01158	Δ004AF
48	TG310F	1,3		MON	3.5	25	TTL	6†	11	0.0	5 0	6.0n	3 0n	4.5n	174m	1.0	-55	125	2	G01158	FP18
49	TG310J	1,3		MON	3 5	25	TTL	6†	11	0 0	5 0	6 0n	3.0n	4 5n	174m	1 0	-55	125	2	G01158	M75
50	TG311F	1,3		MON	3 5	25	TTL	6†	9	0 0	5 0	6.0n	3 0n	4.5n	174m	1.0	0	75	2	G01158	FP18
51	TG311J	1,3		MON	3.5	25	TTL	6†	9	0.0	5.0	6.0n	3.0n	4.5n	174m	1.0	0	75	2	G01158	M75
52	TG312F	1,3		MON	3 5	25	TTL	6†	6	0.0	5 0	6.0n	3 0n	4.5n	174m	1.0	-55	125	2	G01158	FP18
53	TG312J	1,3		MON	3 5	25	TTL	6†	6	0.0	5.0	6.0n	3.0n	4.5n	174m	1.0	-55	125	2	G01158	M75
54	TG313F	1,3		MON	3.5	25	TTL	6†	5	0.0	5.0	6.0n	3.0n	4.5n	174m	1 0	0	75	2	G01158	FP18
55	TG313J	1,3		MON	3 5	25	TTL	6†	5	0.0	5 0	6 0n	3.0n	4.5n	174m	1.0	0	75	2	G01158	TO116
56	TRWG300#1	1,3	40M	MON	3.5	.25	TTL	10	11	0 0	5.0	6 0n	3.0n	4.5n	36m	1.0	-55	125	1	G01159	M126
57	TRWG300#2	1,3	40M	MON	3.5	.25	TTL	10	11	0.0	5.0	6.0n	3 0n	4.5n	36m	1.0	-55	125	1	G01159	M157
58	TRWG310#1	1,3	40M	MON	3.5	.25	TTL	6	11	0 0	5 0	6.0n	3 0n	4.5n	174m	1.0	-55	125	2	G01158	M126
59	TRWG310#2	1,3	40M	MON	3.5	25	TTL	6	11	0 0	5.0	6.0n	3.0n	4.5n	174m	1 0	-55	125	2	G01158	M157
60	T211	1,3	15M	PCB	5 0	0 0	TTL	5Δ	10	0.0	5 0	8.0n			255m%	1.0			8	G01206	CB☑
61	T212	1,3	15M	PCB	5.0	0 0	TTL	10Δ	10	0.0	5 0	8 0n			180m%	1.0			4	G01207	CB☑
62	MAG6	1,4	5.0M	PCB	5 0	0 0		5Δ	8	0 0	5 0	35n			200m	1.0	0	70	6	G01160	CB53
63	MAG12	1,4	5.0M	PCB	5.0	0 0		2	8	0 0	5.0	35n				1.0	0	70	12	G01160a	CB53
64#	SP404	1,4			-7.0%	- 79*	ECT	4	3	7 0	0.0	7.0nΔ	4.5n	4 5n		160m*	0	75	2	G02129a	M257a
65#	SP480	1,4			-7.0%	- 79*	ECT	3†		7.0	0 0	4.0nΔ	3 0n	3.0n		160m*	0	75	3	G02129c	M146b
66#	SP481	1,4			-7.0%	- 79*	ECT	3†		7 0	0 0	4.0nΔ	3.0n	3.0n		160m*	0	75	3	G02129c	M146b
67#	SP484	1,4			-7 0%	- 79*	ECT	5		7.0	0 0	4.0nΔ	3 0n	3.0n		160m*	0	75	2	G01220	M146b
68#	SP485	1,4			-7.0%	- 79*	ECT	5		7 0	0.0	4 0nΔ	3.0n	3 0n		160m*	0	75	2	G01220	M146b
69	SW770-1P	1,4S		MON	1.8%	1.2*	DTL	10	8	0 0	5.0	40n%			16m†	1 0 Δ	-55	125	1	G01172	TO116
70	SW778-1P	1,4S		MON	1.8%	1 2*	DTL	4	8	0 0	5.0	30n%			16m†	1 0 Δ	-55	125	2	G01172a	TO116
71	SW770-2M	1,4S		MON	1 9%	1 2*	DTL	10	8	0 0	5.0	40n%			16m†	800mΔ	0	75	1	G01172	M105n
72	SW770-2P	1,4S		MON	1 9%	1.2*	DTL	10	8	0 0	5.0	40n%			16m†	800mΔ	0	75	1	G01172	TO116
73	SW778-2M	1,4S		MON	1 9%	1 2*	DTL	4	8	0 0	5.0	30n%			16m†	800mΔ	0	75	2	G01172a	M105n
74	SW778-2P	1,4S		MON	1.9%	1 2*	DTL	4	8	0 0	5.0	30n%			16m†	800mΔ	0	75	2	G01172a	TO116
75	D4041	1C	5.0M	PCB	2 0%	95*	DTL	4†	7	0.0	5.0	40n	50n†	15n†	375m	1.0 Δ	0	75	4		CB☑
76	MAG9	1G	5.0M	PCB	5 0	0 0		3†	8	0	5	35n			350m	1.0	0	70	11	G01161	CB53
77#	TL49700N	1G	1.0m%	MON	2 0%	80*	TTL	4†	10	0.0	5 0				286m†		0	70	4	G01233	M117u
78	SN531	1GM		MON	2.7	.30	DTL	6Δ	10	0	4	30nΔ	45n	40n	24m	200m	-55	125	1	G0168	ZB5
79	SW774-1P	1M		MON	1.8%	1 2*	DTL	3	10	0 0	5 0	35n%			60m†	1.0 Δ	-55	125	3	G01173	TO116
80	SW774-2M	1M		MON	1 9%	1.2*	DTL	3	12	0 0	5 0	35n%			60m†	800mΔ	0	75	3	G01173	M105n
81	SW774-2P	1M		MON	1 9%	1 2*	DTL	3	12	0.0	5 0	35n%			60m†	800mΔ	0	75	3	G01173	TO116
82	SN5340	1M		MON	2 5%	30*	DTL	3†	4	0	7	5 0n	200n	100n	24m†		-55	125	2	G01154	TO84
83	SN532	1M		MON	2.7	30	DTL	6Δ	4	0	8	5 0n	100n	200n	20m	200m	-55	125	1	G01116	ZB5
84	SN534	1M		MON	2 7	.30	DTL	3†	4	0	8	5.0n	100n	200n	20m	200m	-55	125	2	G01116a	ZB5
85	9953DC	1M		MON			RTL	3†	11	2 0	4.5	3 0n			1 0		15	55	3	G01177	TO116
86	9954DC	1M		MON			RTL	4	11	2 0	4.5	3 0n			2 0		15	55	2	G01177b	TO116
87	9955DC	1M		MON			RTL	8	11	2.0	4.5	3.0n			1 0		15	55	1	G01178	TO116
88	9964DC	1MA		MON			RTL	3†	11	2.0	4.5	3.0n			1.0		15	55	3	G01177a	TO116
89	R141	1MS	2 0M	PCB	-3.0	0.0	DTL	14	20	15	10		45n	70n	290m	800m	-20	65	1	G01104	CB31
90	B130	1MS	10M	PCB	-3.0	0 0	DTL	12	10	15	10	15n			1 9	800m	-20	65	1	G01101a	CB31
91	3100-4-6J	1MS		MOS	9.0%	2.0*	TTL	5	10	29	0	600nΔ			200mΔ		-55	85	2	G01187	M148
92	MC3128F	1S		MON	2 4%	40*†	TTL	3		0.0	5 0	9.0n			56m†		-55	125	2	G01186	TO86
93	MC3128L	1S		MON	2.4%	.40*†	TTL	3		0.0	5.0	9 0n%			56m†		-55	125	2	G01186	TO116
94	MC3028F	1S		MON	2 5%	.40*†	TTL	3		0.0	5 0	9.0n			56m†		0	75	2	G01186	TO86
95	MC3028L,P%	1S		MON	2 5%	.40*†	TTL	3		0 0	5 0	9.0n%			56m†		0	75	2	G01186	TO116
96	SP333A	2	35M		3 8%	60*		3	16	0	6	35n			44m†	1 2	0	75	2		M114c
97	LCE309	2	3.0M	MOH	6.0	0.0†		5		6	12	25n	30n	36n	250m		-40	100	1	G0224	CN27
98	LCE411	2	3.0M	MOH	6 0	0.0†		4		6	12	25n	30n	36n	250m		-40	100	1	G0224a	M45
99	D4402	2	3.0M		13	1.5		1	10	1 0	18		20n	20n		5 0	0	50			
100	D4403	2	3 0M		13	1 5		1	10	1 0	18		20n	20n		5 0	0	50			
101	D4404	2	3 0M		13	1 5		1	10	1.0	18		20n	20n		5.0	0	50			
102▼	MC14570AL	2		MOS	9 99%	01*†	CMS	2	50	0.0	10	45n%	75n	75n	1.0u%		-55	125	4	G02192	TO116
103▼	MC14570CL,P%	2		MOS	9 99%	01*†	CMS	2	50	0 0	10	45n%	110n	110n	10u%		-40	85	4	G02192	TO116
104▼	CD4071AE	2		MOS	10	0.0†	CMS	2		0 0	10	80n			200m	4.0 Δ	-40	85	4	G02193	Δ001AB
105▼	CD4072AE	2		MOS	10	0.0†	CMS	4		0 0	10	80n			200m	4 0 Δ	-40	85	2	G02193a	Δ001AB
106▼	CD4075AE	2		MOS	10	0.0†	CMS	3		0 0	10	80n			200m	4.0 Δ	-40	85	3	G02193b	Δ001AB
107#	ZN219	2		MON	20	4 0	DTL	4	8	0.0	5 0	9.0n			19m	1.0	-55	125	2		TO88
108#	ZN219E	2		MON	20	4 0	DTL	4	8	0 0	5 0	9 0n			19m	1 0	-55	125	2		M126
109#	ZN220	2		MON	20	4 0	DTL	4	8	0 0	5.0	9 0n			19m	1 0	-55	125	2		TO88

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1#	ZN220E	2		MON	20	4 0	DTL	4	8	0 0	5 0	9 0n			19m	1 0	-55	125	2		M126
2#	ZN233	2		MON	20	4 0	DTL	4	8	0 0	5 0	9 0n			19m	1 0	-55	125	2		TO88
3#	ZN233E	2		MON	20	4.0	DTL	4	8	0.0	5 0	9 0n			19m	1 0	-55	125	2		M126
4#	ZN319	2		MON	20	4 0	DTL	4	8	0 0	5 0	15n			19m	1 0	-55	125	2		TO88
5#	ZN319E	2		MON	20	4 0	DTL	4	8	0 0	5 0	15n			19m	1 0	0	70	2		M126
6#	ZN320	2		MON	20	4.0	DTL	4	8	0 0	5 0	15n			19m	1 0	-55	125	2		TO88
7#	ZN320E	2		MON	20	4 0	DTL	4	8	0 0	5.0	15n			19m	1 0	0	70	2		M126
8#	ZN333	2		MON	20	4 0	DTL	4	8	0 0	5 0	15n			19m	1 0	-55	125	2		TO88
9#	ZN333E	2		MON	20	4 0	DTL	4	8	0.0	5 0	15n			19m	1 0	0	70	2		M126
10#	ZST112A	2		MON	20	4 0	DTL	5	8	0 0	5 0	15n			19m	1 0	-55	125	2		CN2
11#	ZST112B	2		MON	20	4 0	DTL	5	8	0 0	5 0	15n			19m	1 0	-55	125	2		CN2
12#	ZST132A	2		MON	20	4.0	DTL	2	8	0 0	5 0	15n			19m	1.0	0	70	2		CN2
13#	ZST132B	2		MON	20	4 0	DTL	2	8	0 0	5 0	15n			19m	1 0	0	70	2		CN2
14	SW1808M	2		MON	1 9%	1 2*	DTL	2	8†	0.0	8 0	30n			100m†	1 0	0	75	4	G02136	M105n
15	SW1808P	2		MON	1.9%	1.2*	DTL	2	8†	0.0	8 0	30n			100m†	1 0	0	75	4	G02136	M114
16▼	502C	2	5 0M	PCB	2 0%	45*	DTL	2	8	0 0	7 0	35n%	2 0n†		300m†		0	70	12		CB62
17	MC1908F	2		MON	2 6%	40*†	DTL	2	8	0 0	5 0	35n			97m†		-55	125	4	G02136	TO86
18	MC1908L	2		MON	2 6%	40*†	DTL	2	8	0 0	5 0	35n			97m†		-55	125	4	G02136	TO116
19	MC1909F	2		MON	2 6%	40*†	DTL	2	7	0.0	5 0	30n			115m†		-55	125	4	G02136	TO86
20	MC1909L	2		MON	2 6%	40*†	DTL	2	7	0 0	5 0	30n			115m†		-55	125	4	G02136	TO116
21	MC1808F	2		MON	2 6%	45*†	DTL	2	8	0.0	5.0	35n			97m†		0	75	4	G02136	TO86
22	MC1808L,P%	2		MON	2 6%	45*†	DTL	2	8	0 0	5 0	35n			97m†		0	75	4	G02136	TO116
23	MC1809F	2		MON	2 6%	45*†	DTL	2	7	0.0	5 0	30n			115m†		0	75	4	G02136	TO86
24	MC1809L,P%	2		MON	2.6%	.45*†	DTL	2	7	0 0	5 0	30n			115m†		0	75	4	G02136	TO116
25	MOR12	2		PCB	2 6%	45*	DTL	24		0 0	5 0	35n			300m†				12		
26#	FZH291	2		MON	7 5%	4 5*	DTL	3Δ	10	0 0	15				438m†	5 0 Δ	0	70	4	G02188	
27#	FZH295	2		MON	7.5%	4 5*	DTL	3Δ	10	0 0	15				438m†	5 0 Δ	-25	85	4	G02188	
28#	GXB10110	2		MON	-88	-1 7†	ECT	3		5 2	0 0	2 4n%	2 0n†	2 0n†	150m†		0	75	2	G02165	M200n
29	MC1664S	2		MON	-95%	-1 6†*	ECT	2	70	5 2	0 0	1 1n	2 1n	2 1n	240m†		0	75	4	G02169	FP78
30	MC1665S	2		MON	-95%	-1 6†*	ECT	2	7	5.2	0 0	1.1n	2 1n	2 1n	240m†		0	75	4	G02169	FP78
31	MC1664L	2		MON	-96%	-1 6†*	ECT	2	70	5 2	0 0	1 1n	2.1n	2 1n	240m†		0	75	4	G02169	M191
32	MC1665L	2		MON	-96%	-1.6†*	ECT	2	7	5.2	0 0	1 1n	2 1n	2.1n	240m†		0	75	4	G02169	M191
33	MC10110L	2		MON	-96%	-1 6*†	ECT	3		5 2	0 0	2.4n%	2 2nt	2.2nt	160mt		-30	85	2	G02165	M191
34	MC10110P	2		MON	-96%	-1 6*†	ECT	3		5.2	0 0	2 4n%	2 2nt	2.2nt	160m†		-30	85	2	G02165	M278
35	MC10210L	2		MON	-96%	-1 6*†	ECT	5Δ		5 2	0 0	1.5n%	1 5nt	1 5nt	150mt		-30	85	2	G02180	M191
36	10110B	2	150M	MON	-96%	-1 6*†	ECT	5Δ	10	5 2	0 0	2.4n	3 5n	3.5n	150m	200m	-30	85	2	G02180	M256
37	10110F	2	150M	MON	-96%	-1 6*†	ECT	5Δ	10	5 2	0 0	2 4n	3 5n	3 5n	150mt	200m	-30	85	2	G02180	M153a
38#	SP1664BE	2	300M†Ø	MON	-98%	-1 6*	ECT	2		5 2	0 0	1 7nΔ	2 1n	2 1n	291m§		0	75	4	G01242a	M184a
39	MC9715P	2	14M%	MON			RTL	2	5Δ	0.0	3.6				100mt		15	55	4	G02130	TO116
40	MC9815P	2	14M%	MON			RTL	2	5Δ	0.0	3 6				100mt		0	75	4	G02130	TO116
41	MC9725P	2		MON		.25#*	RTL	2	4	0.0	3 6	50n%			28mt		15	55	4	G02130a	TO116
42	MC9825P	2		MON		.25#*	RTL	2	4	0.0	3.6	50n%			28mt		0	75	4	G02130a	TO116
43#	GTB74S86P	2		MON			TTL	2	10	0.0	5 0	3 0n			37mΔ		0	70	4	G04377	
44▼	5512C	2	40M	PCB	2 0%	45*	TTL	2	12	0.0	7.0	9.0n%		2 5nt	456m†		0	70	12		CB62
45#	FLH631-7432	2		MON	2 0%	80*	TTL	2	10	0.0	5 0	22nΔ			150mt	1 0 Δ	0	70	4	G02185	M126p
46#	FLH635-8432	2		MON	2.0%	80*	TTL	2	10	0.0	5 0	22nΔ			150m†	1 0 Δ	-25	85	4	G02185	M126p
47	I754	2		PCB	2.0	.80	TTL	3	10	0 0	5.0	27n					0	70	12		CB☑
48	I755	2		PCB	2.0	.80	TTL	2	10	0.0	5.0	27n					0	70	16		CB☑
49#	MIC5428J	2		MON	2.0%	.80*	TTL	2	30	0.0	5.0	15nΔ			100mt	500m	-55	125	4	G03233a	TO116
50#	MIC5432J	2		MON	2 0%	80*	TTL	2		0.0	5 0	22nΔ					-55	125	4		TO116
51#	MIC6428J	2		MON	2 0%	80*	TTL	2	30	0.0	5.0	15nΔ			100mt	500m	-40	85	4	G03233a	TO116
52#	MIC6432J	2		MON	2.0%	.80*	TTL	2		0 0	5 0	22nΔ					-40	85	4		TO116
53#	MIC7428J	2		MON	2 0%	.80*	TTL	2	30	0.0	5 0	15nΔ			100mt	500m	0	75	4	G03233a	TO116
54#	MIC7428N	2		MON	2.0%	.80*	TTL	2	30	0.0	5.0	15nΔ			100mt	500m	0	75	4	G03233a	M126
55#	MIC7432J	2		MON	2 0%	.80*	TTL	2		0 0	5.0	22nΔ					0	75	4		TO116
56#	MIC7432N	2		MON	2 0%	80*	TTL	2	20Δ	0 0	5 0	22nΔ			190m%	1 0 Δ	0	75	4	G02185	M126
57#	MIC54138J	2		MON	2 0%	80*	TTL	2	54	0 0	5 0	35nΔ	10n	4 0n	155mt		-55	125	4	G02189	TO116
58#	MIC54139J	2		MON	2 0%	80*	TTL	2	54	0 0	5 0	35nΔ	10n	4 0n	155mt		-55	125	4	G02189	TO116
59#	MIC64138J	2		MON	2 0%	80*	TTL	2	54	0 0	5 0	35nΔ	10n	4.0n	155mt		-40	85	4	G02189	TO116
60#	MIC64139J	2		MON	2.0%	80*	TTL	2	54	0.0	5.0	35nΔ	10n	4.0n	155mt		-40	85	4	G02189	TO116
61#	MIC74138J	2		MON	2 0%	.80*	TTL	2	54	0.0	5 0	35nΔ	10n	4 0n	155mt		0	75	4	G02189	TO116
62#	MIC74138N	2		MON	2 0%	80*	TTL	2	54	0 0	5 0	35nΔ	10n	4.0n	155mt		0	75	4	G02189	TO116
63#	MIC74139J	2		MON	2 0%	80*	TTL	2	54	0 0	5 0	35nΔ	10n	4 0n	155mt		0	75	4	G02189	TO116
64#	MIC74139N	2		MON	2 0%	80*	TTL	2	54	0 0	5 0	35nΔ	10n	4 0n	155mt		0	75	4	G02189	TO116
65▼	SN54S32J	2		MON	2.0%	80*	TTL	2	10	0 0	5.0	3 5n			374m	1 0 Δ	-55	125	4	G01253	Δ001AA
66▼	SN54S32W	2		MON	2 0%	.80*	TTL	2	10	0 0	5 0	3.5n			374m	1.0 Δ	-55	125	4	G01253	Δ004AA
67▼	SN74S32J	2		MON	2 0%	.80*	TTL	2	10	0 0	5 0	3.5n			374m	1 0 Δ	0	70	4	G01253	Δ001AA
68▼	SN74S32N	2		MON	2 0%	80*	TTL	2	10	0.0	5 0	3 5n			374m	1 0 Δ	0	70	4	G01253	Δ004AA
69	SN5432J	2		MON	2.0%	80*	TTL	2	20Δ	0 0	5 0	22nΔ			190m%	1.0 Δ	-55	125	4	G02185	M157b
70	SN5432N	2		MON	2 0%	80*	TTL	2	20Δ	0 0	5 0	22nΔ			190m%	1 0 Δ	-55	125	4	G02185	M126e
71	SN5432W	2		MON	2 0%	.80*	TTL	2	20Δ	0 0	5 0	22nΔ			190m%	1 0 Δ	-55	125	4	G02185	Δ004AA
72	SN7432J	2		MON	2 0%	80*	TTL	2	20Δ	0.0	5 0	22nΔ			190m%	1 0 Δ	0	70	4	G02185	M157b
73	SN7432N	2		MON	2.0%	.80*	TTL	2	20Δ	0 0	5 0	22nΔ			190m%	1 0 Δ	0	70	4	G02185	M126e
74	SN7432W	2		MON	2.0%	.80*	TTL	2	20Δ	0 0	5.0	22nΔ			190m%	1 0 Δ	0	70	4	G02185	Δ004AA
75	US5418A	2		MON	2 0%	80*	TTL	3	10	0.0	5.0	27nΔ	18n	8 0n			-55	125	3	G02135	M105b
76	US5418J	2		MON	2.0%	80*	TTL	3	10	0 0	5.0	27nΔ	18n	8.0n			-55	125	3	G02135	TO88
77	US5432A	2		MON	2.0%	80*	TTL	2	10	0 0	5.0	27nΔ	18n	8 0n			-55	125	4	G02135a	M105b
78	US5432J	2		MON	2 0%	80*	TTL	2	10	0.0	5 0	27nΔ	18n	8.0n			-55	125	5	G02135a	TO88
79	US7418A	2		MON	2 0%	80*	TTL	3	10	0 0	5 0	27nΔ	18n	8 0n			0	70	3	G02135	M105b
80	US7418J	2		MON	2 0%	80*	TTL	3	10	0.0	5 0	27nΔ	18n	8 0n			0	70	3	G02135	TO88
81	US7432A	2		MON	2.0%	80*	TTL	2	10	0.0	5 0	27nΔ	18n	8.0n			0	70	4	G02135a	M105b
82	US7432J	2		MON	2 0%	80*	TTL	2	10	0 0	5 0	27nΔ	18n	8.0n			0	70	4	G02135a	TO88
83	MC3103F	2		MON	2 4%	.40*†	TTL	2	10	0 0	5 0	9 0n			150mt		-55	125	4	G02126	TO86
84	MC3103L	2		MON	2 4%	40*†	TTL	2	10	0 0	5.0	9 0n%			150mt		-55	125	4	G02126	TO116
85	MC3003F	2		MON	2.5%	40*†	TTL	2	10	0 0	5.0	9 0n%			150mt		0	75	4	G02126	TO86
86	MC3003L,P%	2		MON	2 5%	40*†	TTL	2	10	0 0	5 0	9 0n%			150mt		0	75	4	G02126	TO116
87	RG52D	2	20M	MON	3 1%	40*	TTL	11Δ	12†	0 0	5.0	23nΔ	8 0n	6 0n	30mt	900m	0	75	1	G0218	M105ar
88	RG52K	2	20M	MON	3 1%	40*	TTL	11Δ	12†	0 0	5 0	23nΔ	8 0n	6 0n	30mt	900m	0	75	1	G0218	FP21b
89	RG53D	2	20M	MON	3 1%	40*	TTL	11Δ	6†	0 0	5 0	23nΔ	8 0n	6 0n	30mt	900m	0	75	1	G0218	M105ar
90	RG53K	2	20M	MON	3 1%	40*	TTL	11Δ	6†	0.0	5.0	23nΔ	8 0n	6 0n	30mt	900m	0	75	1	G0218	FP21b
91	RG50D	2	20M	MON	3 2%	40*	TTL	11Δ	15†	0 0	5 0	23nΔ	8 0n	6 0n	30mt	900m	-55	125	1	G0218	M105ar
92	RG50K	2	20M	MON	3 2%	40*	TTL	11Δ	15†	0 0	5 0	23nΔ	8 0n	6 0n	30mt	900m	-55	125	1	G0218	FP21b
93	RG51D	2	20M	MON	3 2%	40*	TTL	11Δ	7†	0 0	5 0	23nΔ	8 0n	6 0n	30mt	900m	-55	125	1	G0218	M105ar
94	RG51K	2	20M	MON	3 2%	40*	TTL	11Δ	7†	0 0	5 0	23nΔ	8 0n	6 0n	30mt	900m	-55	125	1	G0218	FP21b
95	SNG50J	2	20M	MON	3 3	26	TTL	9	15†	0 0	5 0	12n	6 0n	8 0n	30m	900m	-55	125	1	G0218	M157b
96	SNG50W	2	20M	MON	3 3	26	TTL	9	15†	0 0	5 0	12n	6 0n	8.0n	30m	900m	-55	125	1	G0218	Δ004AF
97	SNG51J	2	20M	MON	3 3	26	TTL	9	5	0 0	5 0	12n	6 0n	8 0n	30m	900m	-55	125	1	G0218	M157b
98	SNG51W	2	20M	MON	3 3	26	TTL	9	7†	0 0	5.0	12n	6.0n	8 0n	30m	900m	-55	125	1	G0218	Δ004AF
99	SNG52J	2	20M	MON	3.3	26	TTL	9	12†	0 0	5.0	12n	6.0n	8 0n	30m	900m	0	75	1	G0218	M157b
100	SNG52W	2	20M	MON	3 3	26	TTL	9	12†	0 0	5 0	12n	6 0n	8 0n	30m	900m	0	75	1	G0218	Δ004AF
101	SNG53J	2	20M	MON	3 3	26	TTL	9	6†	0 0	5.0	12n	6 0n	8.0n	30m	900m	0	75	1	G0218	M157b
102	SNG53W	2	20M	MON	3 3	26	TTL	9	6†	0 0	5 0	12n	6 0n	8 0n	30m	900m	0	75	1	G0218	Δ004AF
103	SNG100J	2	20M	MON	3 3	26	TTL	10Δ	15†	0.0	5 0	12n	6 0n	8 0n	25m	900m	-55	125	1	G0219	M157b
104	SNG100W	2	20M	MON	3 3	26	TTL	10Δ	15†	0 0	5 0	12n	6 0n	8 0n	25m	900m	-55	125	1	G0219	Δ004AF
105	SNG101J	2	20M	MON	3 3	26	TTL	10Δ	7†	0 0	5 0	12n	6 0n	8 0n	25m	900m	-55	125	1	G0219	M157b
106	SNG101W	2	20M	MON	3 3	26	TTL	10Δ	7†	0.0	5 0	12n	6 0n	8 0n	25m	900m	-55	125	1	G0219	Δ004AF
107	SNG102J	2	20M	MON	3 3	26	TTL	10Δ	12†	0 0	5 0	12n	6 0n	8 0n	25m	900m	0	75	1	G0219	M157b
108	SNG102W	2	20M	MON	3 3	26	TTL	10Δ	12†	0 0	5 0	12n	6 0n	8 0n	25m	900m	0	75	1	G0219	Δ004AF
109	SNG103J	2	20M	MON	3 3	26	TTL	10Δ	6†	0 0	5 0	12n	6 0n	8 0n	25m	900m	0	75	1	G0219	M157b
110	SNG103W	2	20M	MON	3 3	26	TTL	10Δ	6†	0 0	5 0	12n	6 0n	8 0n	25m	900m	0	75	1	G0219	Δ004AF

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	SNG110J	2	20M	MON	3 3	26	TTL	9△	15†	0 0	5 0	12n	6 0n	8 0n	20m	900m	-55	125	1	G0220	M157b
2	SNG110W	2	20M	MON	3 3	26	TTL	9△	15†	0 0	5 0	12n	6 0n	8 0n	20m	900m	-55	125	1	G0220	△004AF
3	SNG111J	2	20M	MON	3.3	26	TTL	9△	7†	0 0	5 0	12n	6 0n	8 0n	20m	900m	-55	125	1	G0220	M157b
4	SNG111W	2	20M	MON	3 3	26	TTL	9△	7†	0 0	5 0	12n	6 0n	8 0n	20m	900m	-55	125	1	G0220	△004AF
5	SNG112J	2	20M	MON	3 3	26	TTL	9△	12†	0 0	5 0	12n	6 0n	8 0n	20m	900m	0	75	1	G0220	M157b
6	SNG112W	2	20M	MON	3 3	26	TTL	9△	12†	0.0	5 0	12n	6 0n	8 0n	20m	900m	0	75	1	G0220	△004AF
7	SNG113J	2	20M	MON	3 3	26	TTL	9△	6†	0 0	5 0	12n	6 0n	8 0n	20m	900m	0	75	1	G0220	M157b
8	SNG113W	2	20M	MON	3 3	26	TTL	9△	6†	0 0	5 0	12n	6 0n	8 0n	20m	900m	0	75	1	G0220	△004AF
9	TRWG50#1	2	20M	MON	3 3	26	TTL	9	15†	0.0	5.0	12n	6 0n	8 0n	30m	900m	-55	125	1	G0218	M157
10	TRWG50#2	2	20M	MON	3.3	26	TTL	9	15†	0 0	5 0	12n	6 0n	8 0m	30m	900m	-55	125	1	G0218	M126
11	TRWG100#1	2	20M	MON	3 3	26	TTL	10	7	0 0	5 0	12n	6 0n	8 0n	25m	900m	-55	125	1	G0219	M157
12	TRWG100#2	2	20M	MON	3 3	26	TTL	10	7	0 0	5 0	12n	6 0n	8 0n	25m	900m	-55	125	1	G0219	M126
13	TRWG110#1	2	20M	MON	3.3	26	TTL	9	15	0 0	5 0	12n	6.0n	8 0n	20m	900m	-55	125	1	G0220	M157
14	TRWG110#2	2	20M	MON	3 3	26	TTL	9	15	0 0	5 0	12n	6.0n	8 0n	20m	900m	-55	125	1	G0220	M126
15	RG70D	2	20M	MON	3 4	20	TTL	4	15	0 0	5 0	12n			40m†	1 1	-55	125	2	G01156	M105m
16	RG70K	2	20M	MON	3 4	20	TTL	4	15	0 0	5 0	12n			40m†	1 1	-55	125	2	G01156	FP21b
17	RG71D	2	20M	MON	3 4	20	TTL	4	7	0 0	5 0	12n			40m†	1 1	-55	125	2	G01156	M105m
18	RG71K	2	20M	MON	3 4	20	TTL	4	7	0 0	5 0	12n			40m†	1 1	-55	125	2	G01156	FP21b
19	RG72D	2	20M	MON	3 4	20	TTL	4	12	0.0	5 0	12n			40m†	1 1	0	75	2	G01156	M105m
20	RG72K	2	20M	MON	3 4	20	TTL	4	12	0 0	5 0	12n			40m†	1 1	0	75	2	G01156	FP21b
21	RG73D	2	20M	MON	3 4	20	TTL	4	6	0 0	5 0	12n			40m†	1 1	0	75	2	G01156	M105m
22	RG73K	2	20M	MON	3 4	20	TTL	4	6	0 0	5 0	12n			40m†	1 1	0	75	2	G01156	FP21b
23	RG100D	2	20M	MON	3 4	20	TTL	9	15	0 0	5 0	12n			75m†	1 1	-55	125	3	G0219	M105m
24	RG100K	2	20M	MON	3 4	20	TTL	9	15	0.0	5 0	12n			75m†	1 1	-55	125	3	G0219	FP21b
25	RG101D	2	20M	MON	3 4	20	TTL	9	7	0 0	5 0	12n			75m†	1 1	-55	125	3	G0219	M105m
26	RG101K	2	20M	MON	3 4	20	TTL	9	7	0 0	5 0	12n			75m†	1 1	-55	125	3	G0219	FP21b
27	RG102D	2	20M	MON	3 4	20	TTL	9	12	0 0	5 0	12n			75m†	1 1	0	75	3	G0219	M105m
28	RG102K	2	20M	MON	3 4	20	TTL	9	12	0 0	5 0	12n			75m†	1 1	0	75	3	G0219	FP21b
29	RG103D	2	20M	MON	3 4	20	TTL	9	6	0 0	5 0	12n			75m†	1 1	0	75	3	G0219	M105m
30	RG103K	2	20M	MON	3 4	20	TTL	9	6	0 0	5 0	12n			75m†	1 1	0	75	3	G0219	FP21b
31	RG110D	2	20M	MON	3 4	20	TTL	8	15	0.0	5.0	12n			20m†	1 1	-55	125	1	G0220	M105m
32	RG110K	2	20M	MON	3 4	20	TTL	8	15	0 0	5 0	12n			20m†	1 1	-55	125	1	G0220	FP21b
33	RG111D	2	20M	MON	3 4	20	TTL	8	7	0 0	5 0	12n			20m†	1 1	-55	125	1	G0220	M105m
34	RG111K	2	20M	MON	3 4	20	TTL	8	7	0 0	5.0	12n			20m†	1 1	-55	125	1	G0220	FP21b
35	RG112D	2	20M	MON	3 4	20	TTL	8	12	0 0	5 0	12n			20m†	1 1	0	75	1	G0220	M105m
36	RG112K	2	20M	MON	3 4	20	TTL	8	12	0 0	5 0	12n			20m†	1 1	0	75	1	G0220	FP21b
37	RG113D	2	20M	MON	3 4	20	TTL	8	6	0 0	5 0	12n			20m†	1 1	0	75	1	G0220	M105m
38	RG113K	2	20M	MON	3 4	20	TTL	8	6	0 0	5 0	12n			20m†	1 1	0	75	1	G0220	FP21b
39	RG210D	2		MON	3 5	20	TTL	8	11	0 0	5	7 0n			60m†	1.0	-55	125	2	G01163	M105m
40	RG210K	2		MON	3 5	20	TTL	8	11	0 0	5	7 0n			60m†	1 0	-55	125	2	G01163	FP28
41	RG211D	2		MON	3 5	20	TTL	8	6	0 0	5	7 0n			60m†	1 0	-55	125	2	G01163	M105m
42	RG211K	2		MON	3 5	20	TTL	8	6	0 0	5	7 0n			60m†	1 0	-55	125	2	G01163	FP28
43	RG212D	2		MON	3 5	20	TTL	8	9	0 0	5 0	7 0n			60m†	1 0	0	75	2	G01163	M105m
44	RG212K	2		MON	3 5	20	TTL	8	9	0 0	5 0	7 0n			60m†	1 0	0	75	2	G01163	FP28
45	RG213D	2		MON	3 5	20	TTL	8	5	0 0	5 0	7 0n			60m†	1.0	0	75	2	G01163	M105m
46	RG213K	2		MON	3.5	20	TTL	8	5	0 0	5 0	7 0n			60m†	1 0	0	75	2	G01163	FP28
47	RG230D	2		MON	3 5	20	TTL	5		0 0	5	2 0n			28m†	1 0	-55	125	4	G06109	M105m
48	RG230K	2		MON	3 5	20	TTL	5		0 0	5	2.0n			28m†	1 0	-55	125	4	G06109	FP28
49	RG231D	2		MON	3 5	20	TTL	5		0 0	5	2 0n			28m†	1 0	-55	125	4	G06109	M105m
50	RG231K	2		MON	3 5	20	TTL	5		0 0	5	2 0n			28m†	1 0	-55	125	4	G06109	FP28
51	RG232D	2		MON	3 5	20	TTL	5		0 0	5	2 0n			28m†	1 0	0	75	4	G06109	M105m
52	RG232K	2		MON	3 5	20	TTL	5		0 0	5	2 0n			28m†	1 0	0	75	4	G06109	FP28
53	RG233D	2		MON	3 5	20	TTL	5		0 0	5	2 0n			28m†	1 0	0	75	4	G06109	M105m
54	RG233K	2		MON	3 5	20	TTL	5		0 0	5	2 0n			28m†	1 0	0	75	4	G06109	FP28
55	RG250D	2		MON	3 5	20	TTL	9	11	0 0	5.0	8 0n			160m†	1 0	-55	125	4	G01164	M105m
56	RG250K	2		MON	3 5	20	TTL	9	11	0 0	5 0	8 0n			160m†	1 0	-55	125	4	G01164	FP28
57	RG251D	2		MON	3 5	20	TTL	9	6	0 0	5 0	8 0n			160m†	1 0	-55	125	4	G01164	M105m
58	RG251K	2		MON	3 5	20	TTL	9	6	0 0	5 0	8 0n			160m†	1 0	-55	125	4	G01164	FP28
59	RG252D	2		MON	3 5	20	TTL	9	9	0 0	5 0	8 0n			160m†	1 0	0	75	4	G01164	M105m
60	RG252K	2		MON	3 5	20	TTL	9	9	0 0	5 0	8 0n			160m†	1.0	0	75	4	G01164	FP28
61	RG253D	2		MON	3 5	20	TTL	9	5	0 0	5 0	8 0n			160m†	1 0	0	75	4	G01164	M105m
62	RG253K	2		MON	3 5	20	TTL	9	5	0 0	5 0	8 0n			160m†	1 0	0	75	4	G01164	FP28
63	RG270D	2		MON	3 5	20	TTL	4		0 0	5	1 0n			28m†	1.0	-55	125	2	G06111	M105m
64	RG270K	2		MON	3 5	20	TTL	4		0.0	5	1.0n			28m†	1 0	-55	125	2	G06111	FP28
65	RG271D	2		MON	3 5	20	TTL	4		0 0	5	1.0n			28m†	1 0	-55	125	2	G06111	M105m
66	RG271K	2		MON	3 5	20	TTL	4		0 0	5	1 0n			28m†	1.0	-55	125	2	G06111	FP28
67	RG272D	2		MON	3 5	20	TTL	4		0 0	5	1 0n			28m†	1 0	0	75	2	G06111	M105m
68	RG272K	2		MON	3 5	20	TTL	4		0 0	5	1 0n			28m†	1 0	0	75	2	G06111	FP28
69	RG273D	2		MON	3 5	20	TTL	4		0 0	5	1 0n			28m†	1.0	0	75	2	G06111	M105m
70	RG273K	2		MON	3 5	20	TTL	4		0.0	5	1 0n			28m†	1 0	0	75	2	G06111	FP28
71	RG300D	2		MON	3 5	20	TTL	9	11	0 0	5 0	7 0n			105m†	1 0	-55	125	3	G01159	M105m
72	RG300K	2		MON	3 5	20	TTL	9	11	0 0	5 0	7 0n			105m†	1 0	-55	125	3	G01159	FP28
73	RG301D	2		MON	3 5	20	TTL	9	6	0 0	5 0	7 0n			105m†	1 0	-55	125	3	G01159	M105m
74	RG301K	2		MON	3 5	20	TTL	9	6	0 0	5 0	7 0n			105m†	1 0	-55	125	3	G01159	FP28
75	RG302D	2		MON	3 5	20	TTL	9	9	0 0	5 0	7 0n			105m†	1 0	0	75	3	G01159	M105m
76	RG302K	2		MON	3 5	20	TTL	9	9	0 0	5 0	7 0n			105m†	1 0	0	75	3	G01159	FP28
77	RG303D	2		MON	3 5	20	TTL	9	5	0 0	5 0	7 0n			105m†	1 0	0	75	3	G01159	M105m
78	RG303K	2		MON	3 5	20	TTL	9	5	0 0	5 0	7 0n			105m†	1 0	0	75	3	G01159	FP28
79	RG310D	2		MON	3 5	20	TTL	4	11	0.0	5 0	7 0n			60m†	1 0	-55	125	2	G01158	M105m
80	RG310K	2		MON	3 5	20	TTL	4	11	0 0	5 0	7 0n			60m†	1 0	-55	125	2	G01158	FP28
81	RG311D	2		MON	3 5	20	TTL	4	6	0 0	5	7 0n			60m†	1 0	-55	125	2	G01158	M105m
82	RG311K	2		MON	3 5	20	TTL	4	6	0 0	5	7 0n			60m†	1.0	-55	125	2	G01158	FP28
83	RG312D	2		MON	3 5	20	TTL	4	9	0 0	5	7 0n			60m†	1 0	0	75	2	G01158	M105m
84	RG312K	2		MON	3 5	20	TTL	4	9	0.0	5	7 0n			60m†	1 0	0	75	2	G01158	FP28
85	RG313D	2		MON	3 5	20	TTL	4	5	0 0	5	7 0n			60m†	1 0	0	75	2	G01158	M105m
86	RG313K	2		MON	3 5	.20	TTL	4	5	0 0	5	7 0n			60m†	1 0	0	75	2	G01158	FP28
87	SP334A	2		MON	3 8%	6*†	TTL	5△	11	0	5 5	35n%			44m†	1.7 △	0	75	2	G0278b	TO116
88	SP374A	2		MON	3 8%	6*†	TTL	3	11	0	5 5	35n%			44m†	1.7 △	0	75	3	G0278c	TO116
89	SP375A	2		MON	3 8%	6*†	TTL	3△	11	0	5 5	35n%			44m†	1 7 △	0	75	3	G0278d	TO116
90	SP384A	2		MON	3 8%	6*†	TTL	2	11	0	5 5	35n%			44m†	1 7 △	0	75	4	G0278e	TO116
91	HD1W4019-9	2,1	10M	MOS	15	0 0	CMS	4		0 0	15	300n△			200m		-40	85	4	G02190	M200q
92	HD1W4019-2	2,1	10M	MOS	18	0 0	CMS	4		0 0	18	175n△			200m		-55	125	4	G02190	M200q
93	SW776-1P	2,1		MON	1 8%	1 2*	DTL	5	10	0 0	5 0	35n%			50m†	1 0 △	-55	125	2	G02125	TO116
94	SW776-2M	2,1		MON	1 9%	1 2*	DTL	5	12	0 0	5 0	35n%			50m†	800m△	0	75	2	G02125	M105n
95	SW776-2P	2,1		MON	1 9%	1.2*	DTL	5	12	0 0	5 0	35n%			50m†	800m△	0	75	2	G02125	TO116
96	SW777-2M	2,1		MON	1.9%	1 2*	DTL	5	11	0.0	5 0	30n%			65m†	800m△	0	75	2	G02125	M105n
97	SW777-2P	2,1		MON	1 9%	1.2*	DTL	5	11	0 0	5 0	30n%			65m†	800m△	0	75	2	G02125	TO116
98	10118B	2,1	150M	MON-	85	-1 7	ECT	6	10	5.2	0 0	2 3n	2.5n†	2 5n†	100m†	200m	-30	85	2	G02182	M256
99	10118F	2,1	150M	MON-	85	-1 7	ECT	6	10	5 2	0.0	2 3n	2.5n†	2.5n†	100m†	200m	-30	85	2	G02182	M153a
100	10119B	2,1	150M	MON-	85	-1 7	ECT	12	10	5 2	0.0	2 3n	2.5n†	2.5n†	100m†	200m	-30	85	1	G02183	M256
101	10119F	2,1	150M	MON-	85	-1 7	ECT	12	10	5 2	0.0	2 3n	2.5n†	2.5n†	100m†	200m	-30	85	1	G02183	M153a
102#	GXB10118	2,1		MON-	88	-1 7†	ECT	6		5 2	0 0	2 3n%	2 5n†	2 5n†	100m†		0	75	2	G02167	M200n
103#	GXB10119	2,1		MON-	88	-1 7†	ECT	4†		5 2	0 0	2 3n%	2 5n†	2.5n†	100m†		0	75	4	G02168	M200n
104	MC10518F	2,1		MON-	93%	-1 6*†	ECT	6		5.2	0.0	3.4n△	4.0n	4.0n	100m†		-55	125	2	G02167	FP85
105	MC10518L	2,1		MON-	93%	-1 6*†	ECT	6		5 2	0.0	3 4n△	4.0n	4 0n	100m†		-55	125	2	G02167	M191
106	MC10519F	2,1		MON-	93%	-1 6*†	ECT	4†		5 2	0 0	3 4n△	4 0n	4 0n	100m†		-55	125	4	G02168	FP85
107	MC10519L	2,1		MON-	93%	-1 6*†	ECT	4†		5 2	0 0	3 4n△	4 0n	4.0n	100m†		-55	125	4	G02168	M191
108▼	MC10521F	2,1		MON-	93%	-1 6*†	ECT	3		5 2	0 0	3 4n△	4 0n	4 0n	100m†		-55	125	4	G02184	FP85
109	MC10521L	2,1		MON-	93%	-1 6*†	ECT	3		5 2	0 0	3 4n△	4 0n	4.0n	100m†		-55	125	4	G02184	M191
110	MC10118L	2,1		MON-	96%	-1 6*†	ECT	6		5 2	0 0	2 3n%	4.0n	4 0n	100m†		-30	85	2	G02167	M191

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	MC10118P	2,1		MON	-.96%	-1.6*†	ECT	6		5.2	0.0	2.3n%	4.0n	4.0n	100m†		-30	85	2	G02167	M278
2	MC10119L	2,1		MON	-.96%	-1.6*†	ECT	4†		5.2	0.0	2.3n%	4.0n	4.0n	100m†		-30	85	4	G02168	M191
3	MC10119P	2,1		MON	-.96%	-1.6*†	ECT	4†		5.2	0.0	2.3n%	4.0n	4.0n	100m†		-30	85	4	G02168	M278
4	9966DC	2,1		MON			RTL	4†	11	2.0	4.5	3.0n			1.0		15	55	3	G02120	TO116
5	9971DC	2,1		MON			RTL	4	11	2.0	4.5	3.0n			2.0		15	55	2	G02120b	TO116
6	9956DC	2,1		MON	2.6	-.45†	RTL	2	25	2.0	4.5	14n			2.0		15	55	2	G01179	TO116
7	NC74H52N	2,1		MON	2.0%	.80*	TTL	10Δ	10	0.0	7.0	15nΔ				1.0 Δ	0	70	1	G02124	M126
8♦	SN54H52J	2,1		MON	2.0%	.80*	TTL	10Δ	10	0	7	15nΔ				1.0 Δ	-55	125	1	G02124	M157b
9	SN54H52N	2,1		MON	2.0%	.80*	TTL	10Δ	10	0	7	15nΔ				1.0 Δ	-55	125	1	G02124	M126
10♦	SN54H52W	2,1		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	15nΔ			90m†	1.0 Δ	-55	125	1	G02124	Δ004AA
11♦	SN74H52J	2,1		MON	2.0%	.80*	TTL	10Δ	10	0	7	15nΔ				1.0 Δ	0	70	1	G02124	M157b
12♦	SN74H52N	2,1		MON	2.0%	.80*	TTL	10Δ	10	0	7	15nΔ				1.0 Δ	0	70	1	G02124	M126e
13	SN74H52W	2,1		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	15nΔ			90m†	1.0 Δ	0	70	1	G02124	TO84
14	US54H52A	2,1		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	15nΔ	10n	10n		1.0 Δ	-55	125	1	G02124	M105b
15	US54H52J	2,1		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	15nΔ	10n	10n		1.0 Δ	-55	125	1	G02124	TO88
16	US74H52A	2,1		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	15nΔ	10n	10n		1.0 Δ	0	70	1	G02124	M105b
17	US74H52J	2,1		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	15nΔ	10n	10n		1.0 Δ	0	70	1	G02124	TO88
18	MC10517F	2,1G		MON	-.93%	-1.6*†	ECT	5		5.2	0.0	3.4nΔ	4.0n	4.0n	100m†		-55	125	2	G02166	FP85
19	MC10517L	2,1G		MON	-.93%	-1.6*†	ECT	5		5.2	0.0	3.4nΔ	4.0n	4.0n	100m†		-55	125	2	G02166	M191
20	MC10117L	2,1G		MON	-.96%	-1.6*†	ECT	5		5.2	0.0	2.3n%	4.0n	4.0n	100m†		-30	85	2	G02166	M191
21	MC10117P	2,1G		MON	-.96%	-1.6*†	ECT	5		5.2	0.0	2.3n%	2.2n†	2.2n†	100m†		-30	85	2	G02166	M278
22	MC10121L	2,1G		MON	-.96%	-1.6*†	ECT	3		5.2	0.0	2.3n%	4.0n	4.0n	100m†		-30	85	4	G02184	M191
23	MC10121P	2,1G		MON	-.96%	-1.6*†	ECT	3		5.2	0.0	2.3n%	2.5n†	2.5n†	100m†		-30	85	4	G02184	M278
24	10121B	2,1S	150M	MON	-.85	-1.7	ECT	11	10	5.2	0.0	2.3n	2.5n†	2.5n†	100m†	200m	-30	85	1	G02184	M256
25	10121F	2,1S	150M	MON	-.85	-1.7	ECT	11	10	5.2	0.0	2.3n	2.5n†	2.5n†	100m†	200m	-30	85	1	G02184	M153a
26#	GXB10117	2,1S		MON	-.88	-1.7†	ECT	5		5.2	0.0	2.3n%	2.2n†	2.2n†	100m†		0	75	2	G02166	M200n
27#	GXB10121	2,1S		MON	-.88	-1.7†	ECT	3		5.2	0.0	2.3n%	2.5n†	2.5n†	100m†		0	75	4	G02184	M200n
28	9502DC	2,3	150M	MON	-.90	-1.7	CML	9	10	5.2	0.0	2.5n	4.5n	4.5n	230m	300m	0	75	1	G02139	M200b
29	9503DC	2,3	150M	MON	-.90	-1.7	CML	7	10	5.2	0.0	2.5n	4.5n	4.5n	310m	300m	0	75	1	G02139a	M200b
30	HEP556-RT	2,3			7.5	1.55	ECT	3	5	0.0	6.0	15n			37m				1		CN8
31#	SP1004	2,3		MON	-.75	-1.6†	ECT	4	2.5	5.2	0.0	4.0n%			95m†		0	75	2	G02187	M257a
32#	SP1005	2,3		MON	-.75	-1.6†	ECT	4	2.5	5.2	0.0	4.0n%			65m†		0	75	2	G02187	M257a
33#	SP1006	2,3		MON	-.75	-1.6†	ECT	4	25	5.2	0.0	4.0n%			45m†		0	75	2	G02187	M257a
34#	SP1204	2,3		MON	-.75	-1.6†	ECT	4	2.5	5.2	0.0	4.0n%			95m†		-55	125	2	G02187	M257a
35#	SP1205	2,3		MON	-.75	-1.6†	ECT	4	2.5	5.2	0.0	4.0n%			65m†		-55	125	2	G02187	M257a
36#	SP1206	2,3		MON	-.75	-1.6†	ECT	4	25	5.2	0.0	4.0n%			45m†		-55	125	2	G02187	M257a
37	10101B	2,3	150M	MON	-.85	-1.7	ECT	2†	10	5.2	0.0	2.0n	2.0n†	2.0n†	100m†	200m	-30	85	4		M256
38	10101F	2,3	150M	MON	-.85	-1.7	ECT	2†	10	5.2	0.0	2.0n	2.0n†	2.0n†	100m†	200m	-30	85	4	G02178	M153a
39	10105B	2,3	150M	MON	-.85	-1.7	ECT	3†	10	5.2	0.0	2.0n	2.0n†	2.0n†	75m†	200m	-30	85	3	G02179	M256
40	10105F	2,3	150M	MON	-.85	-1.7	ECT	3†	10	5.2	0.0	2.0n	2.0n†	2.0n†	75m†	200m	-30	85	3	G02179	M153a
41#	GXB10101	2,3		MON	-.88	-1.7†	ECT	8		5.2	0.0	2.0n%	2.0n†	2.0n†	100m†		0	75	4	G02162	M200n
42#	GXB10105	2,3		MON	-.88	-1.7†	ECT	3†		5.2	0.0	2.0n%	2.0n†	2.0n†	75m†		0	75	3	G02163	M200n
43#	GXB10109	2,3		MON	-.88	-1.7†	ECT	5†		5.2	0.0	2.0n%	2.0n†	2.0n†	50m†		0	75	2	G02164	M200n
44	MC10501F	2,3		MON	-.93%	-1.6*†	ECT	5	10	5.2	0.0	2.0n%	3.3n	3.3n	100m†		-55	125	4	G02178	FP85
45	MC10501L	2,3		MON	-.93%	-1.6*†	ECT	5	10	5.2	0.0	2.0n%	3.3n	3.3n	100m†		-55	125	4	G02178	M191
46	MC10505F	2,3		MON	-.93%	-1.6*†	ECT	3†		5.2	0.0	2.9nΔ	3.3n	3.3n	90m†		-55	125	3	G03279	FP85
47	MC10505L	2,3		MON	-.93%	-1.6*†	ECT	3†		5.2	0.0	2.9nΔ	3.3n	3.3n	90m†		-55	125	3	G03279	M191
48	MC10509F	2,3		MON	-.93%	-1.6*†	ECT	5†		5.2	0.0	2.9nΔ	3.3n	3.3n	60m†		-55	125	2	G02164	FP85
49	MC10509L	2,3		MON	-.93%	-1.6*†	ECT	5†		5.2	0.0	2.9nΔ	3.3n	3.3n	60m†		-55	125	2	G02164	M191
50	MC1660S	2,3		MON	-.95%	-1.6†*	ECT	4	70	5.2	0.0	1.1n	2.1n	2.1n	120m†		0	75	2	G02161	FP78
51	MC1661S	2,3		MON	-.95%	-1.6†*	ECT	4	7	5.2	0.0	1.1n	2.1n	2.1n	120m†		0	75	2	G02161	FP78
52	MC1660L	2,3		MON	-.96%	-1.6†*	ECT	4	70	5.2	0.0	1.1n	2.1n	2.1n	120m†		0	75	2	G02161	M191
53	MC1661L	2,3		MON	-.96%	-1.6†*	ECT	4	7	5.2	0.0	1.1n	2.1n	2.1n	120m†		0	75	2	G02161	M191
54▼	MC1688F	2,3		MON	-.96%	-1.6*†	ECT	5†		5.2	0.0	800p%	1.7n†	1.7n†	125m†		-30	85	2	G02164	FP85
55	MC10101L	2,3		MON	-.96%	-1.6*†	ECT	5	10	5.2	0.0	2.0n%	2.0n†	2.0n†	100m†		-30	85	4	G02162	M191
56	MC10101P	2,3		MON	-.96%	-1.6*†	ECT	5	10	5.2	0.0	2.0n%	2.0n	2.0n	100m†		-30	85	4	G02162	M278
57	MC10105L	2,3		MON	-.96%	-1.6*†	ECT	3†	90	5.2	0.0	2.0n%	2.0n	2.0n	90m†		-30	85	3	G02163	M191
58	MC10105P	2,3		MON	-.96%	-1.6*†	ECT	3†	90	5.2	0.0	2.0n%	2.0n	2.0n	90m†		-30	85	3	G02163	M278
59	MC10109L	2,3		MON	-.96%	-1.6*†	ECT	5†	90	5.2	0.0	2.0n%	2.0n†	2.0n†	60m†		-30	85	2	G02164	M191
60	MC10109P	2,3		MON	-.96%	-1.6*†	ECT	5†	90	5.2	0.0	2.0n%	2.0n†	2.0n†	60m†		-30	85	2	G02164	M278
61▼	MC10212L	2,3		MON	-.96%	-1.6*†	ECT	3		5.2	0.0	1.5n%	1.5n†	1.5n†	160m†		-30	85	2		M191
62	10109B	2,3	150M	MON	-.96%	-1.6*†	ECT	6†	10	5.2	0.0	2.0n	3.3n	3.3n	50m†	200m	-30	85	2	G02164	M256
63	10109F	2,3	150M	MON	-.96%	-1.6*†	ECT	6†	10	5.2	0.0	2.0n	3.3n	3.3n	50m†	200m	-30	85	2	G02164	M153a
64	10112B	2,3	150M	MON	-.96%	-1.6*†	ECT	3	10	5.2	0.0	2.4n	3.5n	3.5n	150m	200m	-30	85	2	G02181	M256
65	10112F	2,3	150M	MON	-.96%	-1.6*†	ECT	3	10	5.2	0.0	2.4n	3.5n	3.5n	150m†	200m	-30	85	2	G02181	M153a
66#	SP1660BE	2,3	300M†Ø	MON	-.98%	-1.6*	ECT	4		5.2	0.0	1.7nΔ	2.1n	2.1n	146m§		0	75	2	G02187b	M184a
67#	FYH104	2,3		MON	-1.0%	-1.4*	ECT	8	10	-7.0	0.0	5.0nΔ	7.0n	5.0n			10	60	1	G02175	M126g
68#	FYH124	2,3		MON	-1.0%	-1.4*	ECT	4	10	-7.0	0.0	5.0nΔ	7.0n	5.0n			10	60	2	G02176	M126g
69#	FYH134	2,3		MON	-1.0%	-1.4*	ECT	4	10	-7.0	0.0	5.0nΔ	7.0n	5.0n			10	60	2	G02176a	M126g
70	CD2150	2,3M		MON	-.8%	1.5*†	ECT	4	12	7.0	0	8.2n				350mΔ	10	60	2	G02121	FP44a
71	CD2151	2,3M		MON	-.8%	1.5*†	ECT	4	12	7.0	0	8.2n				350mΔ	10	60	2	G02121a	FP44a
72	CD2152	2,3M		MON	-.8%	1.5*†	ECT	8	12	7.0	0	8.2n				350mΔ	10	60	1	G02122	FP44a
73	CD2153	2,3M		MON	-.8%	1.5*†	ECT	2	12	7.0	0	8.2n				350mΔ	10	60	4	G02123	FP44a
74	MC351F	2M	15M	MON	-.75	-1.6	ECT	5	25	5.2	0	21nΔ	12n	15n	48m	400m	0	75	1	G0279b	TO91
75	MC351G	2M	15M	MON	-.75	-1.6	ECT	5	25	5.2	0	21nΔ	12n	15n	48m	400m	0	75	1	G0279b	CN9
76	MC356F	2M	40M	MON	-.75	-1.6	ECT	3	25	5.2	0	20nΔ	10n	14n	48m	400m	0	75	1	G0279	TO91
77	MC356G	2M	40M	MON	-.75	-1.6	ECT	3	25	5.2	0	20nΔ	10n	14n	48m	400m	0	75	1	G0279	CN9
78	MC357F	2M	40M	MON	-.75	-1.6	ECT	3	25	5.2	0	20nΔ	10n	14n	20m	400m	0	75	1	G0279a	TO91
79	MC357G	2M	40M	MON	-.75	-1.6	ECT	3	25	5.2	0	20nΔ	10n	14n	20m	400m	0	75	1	G0279a	CN9
80	MC1201F	2MS	80M	MON	-.75	-1.6	ECT	6	150	8	0	4.0n	7.0n	8.0n	115m†	175m	-55	125	1	G02106	TO86
81	MC1202F	2MS	80M	MON	-.75	-1.6	ECT	6	150	8	0	4.0n	7.0n	8.0n	80m†	175m	-55	125	1	G02106a	TO86
82	MC1203F	2MS	80M	MON	-.75	-1.6	ECT	6	150	8	0	4.0n	7.0n	8.0n	40m†	175m	-55	125	1	G02106b	TO86
83	MC1204F	2MS	80M	MON	-.75	-1.6	ECT	4	50	8	0	4.0n	7.0n	8.0n	95m†	175m	-55	125	2	G02101	TO86
84	MC1205F	2MS	80M	MON	-.75	-1.6	ECT	4	50	8	0	4.0n	7.0n	8.0n	65m†	175m	-55	125	2	G02101a	TO86
85	MC1206F	2MS	80M	MON	-.75	-1.6	ECT	4	50	8	0	4.0n	7.0n	8.0n	45m†	175m	-55	125	2	G02101b	TO86
86	MC315F	2S		MON	-.75	-1.6	ECT	5Δ	25	5.2	0	20n	20n	20n	340m		-55	125	1	G0284	TO91
87	MC315G	2S		MON	-.75	-1.6	ECT	5Δ	25	5.2	0	20n	20n	20n	340m		-55	125	1	G0284	CN9
88	MC365F	2S		MON	-.75	-1.6	ECT	5Δ	25	5.2	0	20n	19n	19n	340m		0	75	1	G0284	TO91
89	MC365G	2S		MON	-.75	-1.6	ECT	5Δ	25	5.2	0	20n	19n	19n	340m		0	75	1	G0284	CN9
90	MC1001P	2S		MON	-.75	-1.6	ECT	6	150	5.2	0.0	4.0n%			115m†		0	75	1	G02106	TO116
91	MC1002P	2S		MON	-.75	-1.6	ECT	6	150	5.2	0.0	4.0n%			80m†		0	75	1	G02106a	TO116
92	MC1003P	2S		MON	-.75	-1.6	ECT	6	150	5.2	0.0	4.0n%			40m†		0	75	1	G02106b	TO116
93	MC1004P	2S		MON	-.75	-1.6	ECT	4	50	5.2	0.0	4.0n%			95m†		0	75	2	G02101	TO116
94	MC1005P	2S		MON	-.75	-1.6	ECT	4	50	5.2	0.0	4.0n%			65m†		0	75	2	G02101a	TO116
95	MC1006P	2S		MON	-.75	-1.6	ECT	4	50	5.2	0.0	4.0n%			45m†		0	75	2	G02101b	TO116
96	MC1024P	2S		MON	-.75	-1.6	ECT	4Δ	50	5.2	0.0	4.0n%			95m†		0	75	2	G02119	TO116
97	MC1201L	2S		MON	-.75	-1.6	ECT	6	150	5.2	0.0	4.0n%			115m†		-55	125	1	G02106	TO116
98	MC1202L	2S		MON	-.75	-1.6	ECT	6	150	5.2	0.0	4.0n%			80m†		-55	125	1	G02106a	TO116
99	MC1203L	2S		MON	-.75	-1.6	ECT	6	150	5.2	0.0	4.0n%			40m†		-55	125	1	G02106b	TO116
100	MC1204L	2S		MON	-.75	-1.6	ECT	4	50	5.2	0.0	4.0n%			95m†		-55	125	2	G02101	TO116
101	MC1205L	2S		MON	-.75	-1.6	ECT	4	50	5.2	0.0	4.0n%			65m†		-55	125	2	G02101a	TO116
102	MC1206L	2S		MON	-.75	-1.6	ECT	4	50	5.2	0.0	4.0n%			45m†		-55	125	2	G02101b	TO116
103	MC1224F	2S		MON	-.75	-1.6	ECT	4Δ	50	5.2	0.0	4.0n%			95m†		-55	125	2	G02119	TO86
104	MC1224L	2S		MON	-.75	-1.6	ECT	4Δ	50	5.2	0.0	4.0n%			95m†		-55	125	2	G02119	TO116
105	MC301F	2S	40M	MON	-.75	-1.6	ECT	5	26	5.2	0	6.5n	12n	12n	47m	400m	-55	125	1	G0242	TO91
106	MC301G	2S	40M	MON	-.75	-1.6	ECT	5	26	5.2	0	6.5n	12n	12n	47m	400m	-55	125	1	G0242	CN9
107	MC306F	2S	40M	MON	-.75	-1.6	ECT	3	25	5.2	0	6.0n	12n	11.n	47m	400m	-55	125	1	G0242	TO91
108	MC306G	2S	40M	MON	-.75	-1.6	ECT	3	25	5.2	0	6.0n	12n	11.n	47m	400m	-55	125	1	G0242	CN9
109	MC307F	2S	40M	MON	-.75	-1.6	ECT	3	25	5.2	0	6.0n	12n	11.n	20m	400m	-55	125	1	G0242a	TO91
110	MC307G	2S	40M	MON	-.75	-1.6	ECT	3	25	5.2	0	6.0n	12n	11.n	20m	400m	-55	125	1	G0242a	CN9

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1▼	MC10103L	2S		MON	-.96%	-1 6*†	ECT	2		5.2	0 0	2 0n%			100m†		-30	85	4		M191
2	9909HC	3		MON				2	30	0.0	3.6	40n			2.0m	250m	0	70	1	G0336	TO99
3	S8242F	3		MON	2.6	40†		2	20	0 0	5 0	18n		50n	250m		-55	125	4	G03242	M105r
4	SP314AΔ	3	35M		3.8%	60*		7	16	0	6	20n			22m†	1 2	0	75	1		M114c
5	SP317A	3	35M		3.8%	.60*		4	16	0	6	20n			22m†	1.2	0	75	2		M114c
6	SP370A	3	35M		3.8%	.60*		3	16	0	6	20n			22m†	1.2	0	75	3		M114c
7	SP380A	3	35M		3 8%	60*		2	16	0	6	20n			22m†	1 2	0	75	4		M114c
8	LCE702	3	1 0M	MOH	6.0	0 0†		4		6	12	30n					-15	65	1		M45
9	LCE310	3	3.0M	MOH	6.0	0 0†		5		6	12	25n	28n	82n	140m		-40	100	1	G0329	CN27
10#	LCE402	3	3.0M	MOH	6 0	0.0†		4		6.0	12	25n	28n	82n	140m		-40	100	1		M45
11	LCE502	3	5 0M	MOH	6.0	0 0†		4		6	12	25n					-30	80	1		M45
12♦	MC14000AL	3		MOS	9.99%	.01*†		3†	50	0 0	10	25n%	75n	75n	10n%		-55	125	2	G03275	TO116
13♦	MC14000CL,P%	3		MOS	9 99%	.01*†		3†	50	0.0	10	25n%	110n	110n	50n%		-40	85	2	G03275	TO116
14	MC14001AL	3		MOS	9.99%	01*†		2	50	0 0	10	25n%	175n	175n	10n%		-55	125	4	G03212	TO116
15	MC14001CL,P%	3		MOS	9.99%	01*†		2	50	0 0	10	25n%	200n	200n	50n%		-40	85	4	G03212	TO116
16	MC14002AL	3		MOS	9.99%	01*†		4	50	0.0	10	25n%	175n	175n	10n%		-55	125	2	G03213	TO116
17	MC14002CL,P%	3		MOS	9.99%	.01*†		4	50	0 0	10	25n%	200n	200n	50n%		-40	85	2	G03213	TO116
18	MC14025AL	3		MOS	9.99%	.01*†		3	50	0.0	10	25n%	15n†	20n†	10n%		-55	125	3	G03276	TO116
19	MC14025CL,P%	3		MOS	9.99%	01*†		3	50	0 0	10	25n%	15n†	20n†	50n%		-40	85	3	G03276	TO116
20	CD4000AD	3		MOS	10	0.0†		3		0.0	10	45nΔ			1 0u%	4 5 Δ	-55	125	2	G03211a	Δ001AD
21	CD4000AE	3		MOS	10	0 0†		3		0 0	10	65nΔ			10u%	4.5 Δ	-40	85	2	G03211a	Δ001AB
22	CD4000AK	3		MOS	10	0.0†		3		0.0	10	45nΔ			1.0u%	4 5 Δ	-55	125	2	G03211a	Δ004AF
23	CD4001AD	3		MOS	10	0.0†		2		0.0	10	45nΔ			1.0u%	4.5 Δ	-55	125	4	G03211a	Δ001AD
24	CD4001AE	3		MOS	10	0.0†		2		0.0	10	65nΔ			10u%	4 5 Δ	-40	85	4	G03212a	Δ001AB
25	CD4001AK	3		MOS	10	0 0†		2		0.0	10	45nΔ			1 0u%	4.5 Δ	-55	125	4	G03212a	Δ004AF
26	CD4002AD	3		MOS	10	0 0†		4		0.0	10	45nΔ			1.0u%	4.5 Δ	-55	125	2	G03213a	Δ001AD
27	CD4002AE	3		MOS	10	0 0†		4		0 0	10	65nΔ			10u%	4 5 Δ	-40	85	2	G03213a	Δ001AB
28	CD4002AK	3		MOS	10	0.0†		4		0.0	10	45nΔ			1.0u%	4 5 Δ	-55	125	2	G03213a	Δ004AF
29	CD4025AD	3		MOS	10	0 0†		3		0.0	10	45nΔ			1.0u%	4.5 Δ	-55	125	3	G03266	Δ001AD
30	CD4025AE	3		MOS	10	0 0†		3		0 0	10	65nΔ			10u%	4.5 Δ	-40	85	3	G03266	Δ001AB
31	CD4025AK	3		MOS	10	0 0†		3		0 0	10	45nΔ			1.0u%	4.5 Δ	-55	125	3	G03266	Δ004AF
32	SCL4000AD	3		MOS	10	0.0		3	50	0.0	10	50n	40n	40n	1.0u	4.5	-55	125	2		Δ001AD
33 ◢	SCL4000AE	3		MOS	10	0 0		3	50	0.0	10	50n	40n	40n	1 0u	4.5	-40	85	2		Δ001AB
34	SCL4000AF	3		MOS	10	0 0		3	50	0.0	10	50n	40n	40n	1 0u	4.5	-55	125	2		Δ004AF
35	SCL4001AD	3		MOS	10	0 0		2	50	0.0	10	50n	40n	40n	1.0u	4.5	-55	125	4		Δ001AD
36	SCL4001AE	3		MOS	10	0 0		2	50	0 0	10	50n	40n	40n	1 0u	4 5	-40	85	4		Δ001AB
37	SCL4001AF	3		MOS	10	0.0		2	50	0 0	10	50n	40n	40n	1.0u	4 5	-55	125	4		Δ004AF
38	SCL4002AD	3		MOS	10	0 0		4	50	0.0	10	50n	40n	40n	1.0u	4.5	-55	125	2		Δ001AD
39	SCL4002AE	3		MOS	10	0.0		4	50	0 0	10	50n	40n	40n	1 0u	4.5	-40	85	2		Δ001AB
40	SCL4002AF	3		MOS	10	0 0		4	50	0 0	10	50n	40n	40n	1.0u	4.5	-55	125	2		Δ004AF
41	SCL4025AD	3		MOS	10	0.0		3	50	0.0	10	50n	40n	40n	1 0u	4.5	-55	125	3		Δ001AD
42	SCL4025AE	3		MOS	10	0 0		3	50	0.0	10	50n	40n	40n	1 0u	4.5	-40	85	3		Δ001AB
43	SCL4025AF	3		MOS	10	0.0		3	50	0.0	10	50n	40n	40n	1 0u	4 5	-55	125	3		Δ004AF
44	SCL4402AD	3		MOS	10	0.0†		8Δ	50	0.0	10	100nΔ	70n	70n	200m	4.5 †	-55	125	2	G03278	Δ001AE
45	SCL4402AE	3		MOS	10	0 0†		8Δ	50	0 0	10	100nΔ	70n	70n	200m	4.5 †	-40	85	2	G03278	Δ001AC
46	SCL4402AF	3		MOS	10	0 0†		8Δ	50	0 0	10	100nΔ	70n	70n	200m	4.5 †	-55	125	2	G03278	Δ001AG
47	D4405	3	3.0M		13	1 5		1	10	1 0	18		20n	20n		5.0	0	50			
48	9504DC	3	150M	MON	-.90	-1 7	CML	9	10	5.2	0.0	2 5n	4.5n	4.5n	350m	300m	0	75	1	G02139b	M200b
49▼	CD4078AE	3		MOS	10	0.0†	CMS	8		0 0	10	65n%			10n%		-40	85	1		Δ001AB
50	INS4000S	3	10M	MOS	10	0 0†	CMS	3†	50	0.0	10	10n	25n†	25n†	3 0u%	4.5 Δ	-55	125	3	G03211a	M236b
51	INS4001S	3	10M	MOS	10	0 0†	CMS	2	50	0 0	10	10n	25n†	25n†	3.0u%	4.5 Δ	-55	125	4	G0366c	M236b
52	INS4002S	3	10M	MOS	10	0.0†	CMS	4	50	0 0	10	25n	18n†	18n†	3.0u%	4.5 Δ	-55	125	2	G043aw	M236b
53	INS4025S	3	10M	MOS	10	0.0†	CMS	3	50	0 0	10	10n	25n†	25n†	3.0u%	4.5 Δ	-55	125	3	G03266	M236b
54	HD1A4001-9	3	10M	MOS	15	0.0	CMS	2		0 0	15	130nΔ			200m		-40	85	4	G03212a	TO116
55	HD1A4002-9	3	10M	MOS	15	0 0	CMS	4		0.0	15	130nΔ			200m		-40	85	2	G03283	TO116
56	HD1A4025-9	3	10M	MOS	15	0 0	CMS	3		0 0	15	130nΔ			200m		-55	125	3	G03273	TO116
57	HD1A4001-2	3	10M	MOS	18	0 0	CMS	2		0 0	18	75nΔ			200m		-55	125	4	G03212a	TO116
58	HD1A4002-2	3	10M	MOS	18	0 0	CMS	4		0 0	18	75nΔ			200m		-55	125	2	G03283	TO116
59	HD1A4025-2	3	10M	MOS	18	0 0	CMS	3		0 0	18	75nΔ			200m		-55	125	3	G03273	TO116
60	SP381A	3		MON		60*†	DTL	2	5	0.0	5 0	60nΔ					0	75	4	G03270	TO116
61	R122	3	10M	PCB	0 0	-3 0	DTL	4†		15	10				40m	1.0	-20	65	4	G03131	CB31
62#	ZN224E	3		MON	20		DTL	2	8	0 0	5.0	9.0n			19m	1 0	-55	125	4		M126
63#	ZN224	3		MON	20	4.0	DTL	2	8	0 0	5 0	9.0n			19m	1.0	-55	125	4		TO88
64#	ZN230	3		MON	.20	4 0	DTL	5Δ	8	0 0	5 0	9 0n			19m	1.0	-55	125	2		TO88
65#	ZN230E	3		MON	20	4.0	DTL	5Δ	8	0.0	5.0	9 0n			19m	1.0	-55	125	2		M126
66#	ZN232	3		MON	20	4 0	DTL	5Δ	8	0.0	5.0	9.0n			19m	1.0	-55	125	2		TO88
67#	ZN232E	3		MON	20	4 0	DTL	5Δ	8	0.0	5 0	9 0n			19m	1.0	-55	125	2		M126
68#	ZN244	3		MON	20	4 0	DTL	5Δ	8	0 0	5 0	9 0n			19m	1.0	-55	125	2		TO88
69#	ZN244E	3		MON	20	4.0	DTL	5Δ	8	0 0	5.0	9.0n			19m	1 0	-55	125	2		M126
70#	ZN246	3		MON	20	4 0	DTL	2	8	0.0	5 0	9.0n			19m	1.0	-55	125	4		TO88
71#	ZN246E	3		MON	20	4 0	DTL	2	8	0 0	5 0	9 0n			19m	1.0	-55	125	4		M126
72#	ZN262	3		MON	20	4.0	DTL	3	8	0.0	5 0	9.0n			19m	1 0	-55	125	3		TO88
73#	ZN262E	3		MON	20	4 0	DTL	3	8	0.0	5 0	9.0n			19m	1 0	-55	125	3		M126
74#	ZN324	3		MON	20	4.0	DTL	2	8	0.0	5.0	15n			19m	1.0	-55	125	4		TO88
75#	ZN324E	3		MON	20	4 0	DTL	2	8	0 0	5 0	15n			19m	1.0	0	70	4		M126
76#	ZN329	3		MON	20	4.0	DTL		8	0 0	5 0	16n			19m		-55	125			TO88
77#	ZN329E	3		MON	20	4.0	DTL		8	0 0	5.0	16n			19m		0	70			TO88
78#	ZN330	3		MON	20	4 0	DTL	5Δ	8	0 0	5 0	15n			19m	1.0	-55	125	2		TO88
79#	ZN330E	3		MON	20	4 0	DTL	5Δ	8	0.0	5 0	15n			19m	1 0	0	70	2		M126
80#	ZN332	3		MON	20	4 0	DTL	5Δ	8	0.0	5.0	15n			19m	1 0	-55	125	2		TO88
81#	ZN332E	3		MON	20	4 0	DTL	5Δ	8	0.0	5 0	15n			19m	1.0	0	70	2		M126
82#	ZN344	3		MON	20	4.0	DTL	5Δ	8	0 0	5.0	15n			19m	1 0	-55	125	2		TO88
83#	ZN344E	3		MON	20	4.0	DTL	5Δ	8	0 0	5.0	15n			19m	1.0	0	70	2		M126
84#	ZN346	3		MON	20	4.0	DTL	2	8	0 0	5 0	15n			19m	1 0	-55	125	4		TO88
85#	ZN346E	3		MON	20	4.0	DTL	2	8	0.0	5.0	15n			19m	1.0	0	70	4		M126
86#	ZN362	3		MON	20	4.0	DTL	3	8	0.0	5.0	15n			19m	1.0	-55	125	3		TO88
87#	ZN362E	3		MON	.20	4 0	DTL	3	8	0 0	5.0	15n			19m	1.0	0	70	3		M126
88#	ZSD81A	3		MON	.20	4.0	DTL	5	8	0.0	5 0	9 0n			19m	1 0	0	70	1	G0686a	CN2
89#	ZSS59A	3		MON	20	4.0	DTL		8	0.0	5.0	9.0n			19m	1.0	-55	125			CN2
90#	ZSS59B	3		MON	.20	4 0	DTL		8	0 0	5.0	9 0n			19m	1.0	-55	125			CN2
91#	ZSS89A	3		MON	.20	4 0	DTL		8	0.0	5.0	9 0n			19m	1.0	0	70			CN2
92#	ZSS89B	3		MON	.20	4 0	DTL		8	0.0	5.0	9.0n			19m	1 0	0	70			CN2
93#	ZSS119A	3		MON	.20	4.0	DTL		8	0 0	5.0	16n			19m		-55	125	2		CN2
94#	ZSS119B	3		MON	.20	4.0	DTL		8	0.0	5.0	16n			19m		-55	125	2		CN2
95	MC1801L,P%	3		MON	.26%	45*†	DTL	2	8	0.0	5.0	30n			75m		0	75	4	G02137	TO116
96#	ZSM1A	3	5.0M%	MOH	1 0	3 0	DTL	2	4	0	4 4	20n	30n	30n	160m	1.0 Δ	-40	125	1	G03113	CN2
97#	ZSM1B	3	5 0M%	MOH	1 0	3.0	DTL	2Δ	4	0	4.4	20n	30n	30n	160m	1.0 Δ	-40	125	1	G03113a	CN2
98#	ZSS1A	3	5.0M%	MOH	1 0	3 0	DTL	2	4	0	4.4	20n	30n	30n	130m	1.0 Δ	-40	125	1	G03112	CN2
99#	ZSS1B	3	5.0M%	MOH	1 0	3.0	DTL	2	4	0	4.4	20n	30n	30n	160m	1.0 Δ	-40	125	1	G03112a	CN2
100#	ZSS2A	3	5.0M%	MOH	1 0	3 0	DTL	2	4	0	4 4	20n	30n	30n	175m	1.0 Δ	-40	125	1	G03119	CN2
101#	ZSS2B	3	5.0M%	MOH	1.0	3 0	DTL	2	4	0	4.4	20n	30n	30n	160m	1 0 Δ	-40	125	1	G03119a	CN2
102#	ZSS3A	3	5 0M%	MOH	1 0	3 0	DTL	2	4	0	4.4	20n	30n	30n	165m	1 0 Δ	-40	125	2	G03118	CN2
103#	ZSS3B	3	5.0M%	MOH	1.0	3.0	DTL	2	4	0	4 4	20n	30n	30n	160m	1 0 Δ	-40	125	2	G03118a	CN2
104	SN151810N	3		MON	1 9%	1 1*	DTL	2	8	0.0	5 0	90nΔ			20m†		0	75	4		M126a
105	SN151811N	3		MON	1.9%	1 1*	DTL	2	8	0.0	5 0	75nΔ			20m†		0	75	4		M126a
106	SW1810M	3		MON	1.9%	1 2*	DTL	2	8†	0 0	8 0	30n			70m†	1.0	0	75	4	G02137	M105n

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	SW1810P	3		MON	1.9%	1 2*	DTL	2	8†	0 0	8 0	30n			70m†	1.0	0	75	4	G02137	M114
2	SN151910N	3		MON	2 0%	1 1*	DTL	2	8	0 0	5 0	90nΔ			20m†		-55	125	4		M126a
3	SN151911N	3		MON	2.0%	1.1*	DTL	2	8	0 0	5 0	75nΔ			20m†		-55	125	4		M126a
4	MC1910F	3		MON	2.6%	.40*†	DTL	2	8	0.0	5 0	30n			75m		-55	125	4	G02137	TO86
5	MC1910L	3		MON	2.6%	.40*†	DTL	2	8	0 0	5.0	30n			75m		-55	125	4	G02137	TO116
6	MC1911F	3		MON	2.6%	.40*†	DTL	2	7	0.0	5.0	25n			100m		-55	125	4	G02137	TO86
7	MC1911L	3		MON	2.6%	.40*†	DTL	2	7	0 0	5 0	25n			100m		-55	125	4	G02137	TO116
8	MC1810F	3		MON	2.6%	.45*†	DTL	2	8	0 0	5 0	30n			75m		0	75	4	G02137	TO86
9	MC1810L,P%	3		MON	2.6%	.45*†	DTL	2	8	0 0	5.0	30n			75m		0	75	4	G02137	TO116
10	MC1811F	3		MON	2.6%	45*†	DTL	2	7	0.0	5.0	25n			100m		0	75	4	G02137	TO86
11	MC1811L,P%	3		MON	2.6%	.45*†	DTL	2	7	0 0	5.0	25n			100m		0	75	4	G02137	TO116
12	MNR12	3		PCB	2.6%	.45*	DTL	24		0.0	5 0	30n			225m†				12		
13#	FZH281	3		MON	7.5%	4 5*	DTL	3Δ	10	0.0	15				450m†	5.0 Δ	0	70	4	G03280	
14#	FZH285	3		MON	7 5%	4 5*	DTL	3Δ	10	0 0	15				450m†	5.0 Δ	-25	85	4	G03280	
15	MC313F	3		MON	-.75	-1.6	ECT	2	25	5 2	0	12n	12n	14n	150m	375m	-55	125	4	G03159	TO86
16	MC363F	3		MON	-.75	-1.6	ECT	2	25	5.2	0	12n	12n	14n	150m	375m	0	75	4	G03159	TO86
17	MC1007P	3		MON	-.75	-1.6	ECT	3	25	5 2	0 0	4.0n%			110m†		0	75	3	G03183	TO116
18	MC1008P	3		MON	-.75	-1.6	ECT	3	25	5.2	0.0	4.0n%			75m†		0	75	3	G03183a	TO116
19	MC1009P	3		MON	-.75	-1.6	ECT	3	25	5.2	0 0	4.0n%			60m†		0	75	3	G03183b	TO116
20	MC1010P	3		MON	-.75	-1.6	ECT	2	25	5.2	0.0	4.5n%			115m†		0	75	4	G03159	TO116
21	MC1011P	3		MON	-.75	-1.6	ECT	2	25	5.2	0 0	4.5n%			95m†		0	75	4	G03159a	TO116
22	MC1012P	3		MON	-.75	-1.6	ECT	2	25	5 2	0.0	4 5n%			65m†		0	75	4	G03159b	TO116
23	MC1050F	3		MON	-.75	-1 6	ECT	4	10	5.2	0	5.0n	5.0n	4 0n	305m	450m	0	70	2		TO86
24	MC1051F	3		MON	-.75	-1 6	ECT	4	10	5.2	0	5.0n	5.0n	4.0n	260m	450m	0	70	2		TO86
25	MC1052F	3		MON	-.75	-1 6	ECT	8	10	5.2	0	5.0n	5.0n	4.0n	180m	450m	0	70	1		TO86
26	MC1062P	3		MON	-.75	-1 6	ECT	2	25	5 2	0 0	2.0n%	3.5n	3 5n	320m†		0	75	4	G03264	M278
27	MC1063P	3		MON	-.75	-1.6	ECT	2	25	5.2	0.0	2.0n%	3.5n	3 5n	320m†		0	75	4	G03274	TO116
28	MC1207F	3		MON	-.75	-1 6	ECT	3	25	5 2	0 0	4 0n%			110m†		-55	125	3	G03183	TO86
29	MC1207L	3		MON	-.75	-1.6	ECT	3	25	5.2	0.0	4.0n%			110m†		-55	125	3	G03183	TO116
30	MC1208F	3		MON	-.75	-1 6	ECT	3	25	5.2	0.0	4.0n%			75m†		-55	125	3	G03183a	TO86
31	MC1208L	3		MON	-.75	-1.6	ECT	3	25	5.2	0.0	4.0n%			75m†		-55	125	3	G03183a	TO116
32	MC1209F	3		MON	-.75	-1 6	ECT	3	25	5 2	0.0	4.0n%			60m†		-55	125	3	G03183b	TO86
33	MC1209L	3		MON	-.75	-1.6	ECT	3	25	5.2	0.0	4.0n%			60m†		-55	125	3	G03183b	TO116
34	MC1210F	3		MON	-.75	-1 6	ECT	2	25	5.2	0.0	4.5n%			115m†		-55	125	4	G03159	TO86
35	MC1210L	3		MON	-.75	-1 6	ECT	2	25	5.2	0.0	4.5n%			115m†		-55	125	2	G03159	TO116
36	MC1211F	3		MON	-.75	-1.6	ECT	2	25	5.2	0.0	4.5n%			95m†		-55	125	4	G03159a	TO86
37	MC1211L	3		MON	-.75	-1.6	ECT	2	25	5.2	0.0	4.5n%			95m†		-55	125	2	G03159a	TO116
38	MC1212F	3		MON	-.75	-1.6	ECT	2	25	5.2	0 0	4 5n%			65m†		-55	125	4	G03159b	TO86
39	MC1212L	3		MON	-.75	-1.6	ECT	2	25	5.2	0.0	4.5n%			65m†		-55	125	2	G03159b	TO116
40	MC1262F	3		MON	-.75	-1.6	ECT	2	25	5 2	0.0	2.0n%	3.5n	3 5n	320m†		-55	125	4	G03264	TO86
41	MC1262L	3		MON	-.75	-1 6	ECT	2	25	5.2	0 0	2.0n%	3.5n	3 5n	320m†		-55	125	4	G03264	M191
42	MC1263F	3		MON	-.75	-1.6	ECT	2	25	5.2	0.0	2.0n%	3.5n	3.5n	320m†		-55	125	4	G03274	TO86
43	MC1263L	3		MON	-.75	-1 6	ECT	2	25	5.2	0.0	2 0n%	3.5n	3.5n	320m†		-55	125	4	G03274	TO116
44#	SP1007	3		MON	-.75	-1.6†	ECT	3	25	5 2	0.0	4.0n%			110m†		0	75	3	G03131d	M257a
45#	SP1008	3		MON	-.75	-1 6†	ECT	3	25	5.2	0.0	4.0n%			75m†		0	75	3	G03131d	M257a
46#	SP1009	3		MON	-.75	-1.6†	ECT	3	25	5.2	0 0	4 0n%			60m†		0	75	3	G03131d	M257a
47#	SP1010	3		MON	-.75	-1.6†	ECT	2	25	5.2	0 0	4 5n%			115m†		0	75	4	G0366c	M257a
48♦#	SP1011	3		MON	-.75	-1.6†	ECT	2	25	5 2	0.0	4.5n%			95m†		0	75	4	G0366c	M257a
49#	SP1012	3		MON	-.75	-1 6†	ECT	2	25	5.2	0.0	4.5n%			65m†		0	75	4	G0366c	M257a
50#	SP1207	3		MON	-.75	-1.6†	ECT	3	25	5.2	0 0	4.0n%			110m†		-55	125	3	G03131d	M257a
51#	SP1208	3		MON	-.75	-1.6†	ECT	3	25	5 2	0.0	4.0n%			75m†		-55	125	3	G03131d	M257a
52#	SP1209	3		MON	-.75	-1 6†	ECT	3	25	5 2	0 0	4.0n%			60m†		-55	125	3	G03131d	M257a
53#	SP1210	3		MON	-.75	-1.6†	ECT	2	25	5 2	0.0	4 5n%			115m†		-55	125	4	G0366c	M257a
54#	SP1211	3		MON	-.75	-1 6†	ECT	2	25	5.2	0.0	4.5n%			95m†		-55	125	4	G0366c	M257a
55#	SP1212	3		MON	-.75	-1.6†	ECT	2	25	5.2	0.0	4.5n%			65m†		-55	125	4	G0366c	M257a
56	MC359F	3	40M	MON	-.75	-1 6	ECT	2	25	5.2	0	19nΔ	10n	14n	71m	400m	0	75	2	G03151	TO91
57	MC359G	3	40M	MON	-.75	-1.6	ECT	2	25	5.2	0	19nΔ	10n	14n	71m	400m	0	75	2	G03151	CN9
58	MC360F	3	40M	MON	-.75	-1.6	ECT	2	25	5.2	0	19nΔ	10n	14n	71m	400m	0	75	2	G03151a	TO91
59	MC360G	3	40M	MON	-.75	-1.6	ECT	2	25	5 2	0	19nΔ	10n	14n	71m	400m	0	75	2	G03151a	CN9
60	MC361F	3	40M	MON	-.75	-1 6	ECT	2	25	5.2	0	19nΔ	10n	14n	55m	400m	0	75	2	G03151b	TO91
61	MC361G	3	40M	MON	-.75	-1.6	ECT	2	25	5 2	0	19nΔ	10n	14n	55m	400m	0	75	2	G03151b	CN9
62	MC362AF	3	40M	MON	-.75	-1 6	ECT	3	15	5.2	0	7 5n	9.5n	9.0n	70m		0	75	2		TO91
63	MC362AG	3	40M	MON	-.75	-1.6	ECT	3	15	5 2	0	7 5n	9.5n	9.0n	70m		0	75	2		CN9
64	MC362F	3	40M	MON	-.75	-1 6	ECT	3	25	5.2	0	21nΔ	12n	14n	71m	400m	0	75	2	G0384	TO86
65	MC362G	3	40M	MON	-.75	-1.6	ECT	3	25	5.2	0	21nΔ	12n	14n	71m	400m	0	75	2	G0384	CN42
66	CD2154	3		MON	-.80	-1.6	ECT	8	4	7 0	0.0	7 3n%				350mΔ	10	60	4	G03244	Δ004AF
67	10102B	3	150M	MON	-.85	-1 7	ECT	2	10	5 2	0 0	2.0n	2.0n†	2.0n†	100m	200m	-30	85	4	G03271	M256
68	10102F	3	150M	MON	-.85	-1.7	ECT	2	10	5.2	0 0	2.0n	2.0n†	2.0n†	100m	200m	-30	85	4	G03271	M153a
69	10106B	3	150M	MON	-.85	-1 7	ECT	4†	10	5.2	0.0	2.0n	2.0n†	2.0n†	75m†	200m	-30	85	3	G03272	M256
70	10106F	3	150M	MON	-.85	-1.7	ECT	4†	10	5 2	0.0	2.0n	2.0n†	2.0n†	75m†	200m	-30	85	3	G03272	M153a
71#	GXB10102	3		MON	-.88	-1.7†	ECT	2		5.2	0.0	2.0n%	2.0n†	2 0n†	100m†		0	75	4	G03262	M200n
72#	GXB10106	3		MON	-.88	-1.7†	ECT	4†		5.2	0 0	2.0n%	2.0n†	2.0n†	75m†		0	75	3	G03265	M200n
73#	GXB10111	3		MON	-.88	-1 7†	ECT	3		5.2	0.0	2.4n%	2.1n†	2 1n†	150m†		0	75	2	G03263	M200n
74	MC10502F	3		MON	-.93%	-1.6*†	ECT	2		5.2	0.0	2.9nΔ	3.3n	3 3n	100m†		-55	125	4	G03277	FP85
75	MC10502L	3		MON	-.93%	-1.6*†	ECT	2		5.2	0.0	2.9nΔ	3.3n	3.3n	100m†		-55	125	4	G03277	M191
76	MC10506F	3		MON	-.93%	-1.6*†	ECT	4†		5.2	0.0	2.9nΔ	3.3n	3.3n	90m†		-55	125	3	G03265	FP85
77	MC10506L	3		MON	-.93%	-1.6*†	ECT	4†		5.2	0.0	2.9nΔ	3.3n	3 3n	90m†		-55	125	3	G03265	M191
78	MC1662L	3		MON	-.96%	-1.6*†	ECT	2	70	5.2	0.0	1.1n	2.1n	2.1n	240m†		0	75	4	G0366	M191
79	MC1662S	3		MON	-.96%	-1 6*†	ECT	2	70	-5.2	0.0	1.1n	2 1n	2.1n	240m†		0	75	4	G0366	FP78
80	MC1663L	3		MON	-.96%	-1 6*†	ECT	2	70	5.2	0.0	1.1n	2.1n	2 1n	240m†		0	75	4	G0366	M191
81	MC1663S	3		MON	-.96%	-1.6*†	ECT	2	70	5 2	0.0	1.1n	2 1n	2.1n	240m†		0	75	4	G0366	FP78
82▼	MC10100L	3		MON	-.96%	-1 6*†	ECT	3		5.2	0.0	2.0n%			100m†		-30	85	4		M191
83	MC10102L	3		MON	-.96%	-1.6*†	ECT	2	90	5.2	0 0	2.0n%	2.0n†	2.0n†	100m†		-30	85	4	G03262	M191
84	MC10102P	3		MON	-.96%	-1.6*†	ECT	2	90	5.2	0.0	2.0n%	2.0n	2.0n	100m†		-30	85	4	G03262	M278
85	MC10106L	3		MON	-.96%	-1.6*†	ECT	4†		5 2	0.0	2.0n%	3.3n	3.3n	90m†		-30	85	3	G03265	M191
86	MC10106P	3		MON	-.96%	-1 6*†	ECT	4†		5.2	0 0	2.0n%	3.3n	3.3n	90m†		-30	85	3	G03265	M278
87	MC10111L	3		MON	-.96%	-1.6*†	ECT	3		5.2	0 0	2.4n%	3.5n	3.5n	160m†		-30	85	2	G03263	M191
88	MC10111P	3		MON	-.96%	-1.6*†	ECT	3		5.2	0.0	2 4n%	3.5n	3.5n	160m†		-30	85	2	G03263	M278
89	MC10211L	3		MON	-.96%	-1.6*†	ECT	5Δ		5.2	0.0	1.5n%	1.5n†	1.5n†	150m†		-30	85	2	G02165	M191
90	10111B	3	150M	MON	-.96%	-1.6*†	ECT	3	10	5.2	0.0	2.4n	3.5n	3.5n	150m	200m	-30	85	2	G03263	M256
91	10111F	3	150M	MON	-.96%	-1 6*†	ECT	3	10	5.2	0.0	2.4n	3.5n	3.5n	150m†	200m	-30	85	2	G03263	M153a
92#	SP1662BE	3	300M†Ø	MON	-.98%	-1 6*	ECT	2		5.2	0.0	1.7nΔ	2.1n	2 1n	291m§		0	75	4	G0366h	M184a
93	LCE302	3	3.0M	MOH	6.0	0.0†	RCT	5		6	12	25n	60n	20n	140m		-40	100	1	G0327	CN27
94	HEP570-RT	3					RTL	2	16	0.0	4.0	12n			250m				4		TO116
95	HEP580-RT	3					RTL	2	4	0.0	4 0	27n			10m				2		TO99
96	HEP584-RT	3					RTL	2	16	0.0	4 0	12n			50m				2		TO99
97	HEPC2502P-RT	3		MON			RTL	2		0.0	3 6	27n			20m		15	55	4	G0391c	TO116
98	SN17909L	3		MON			RTL	2	30	0	8				10m†		-55	125	1	G03136	CN13
99	SN17910L	3		MON			RTL	2	4	0	8				4m†		-55	125	2	G03153	CN13
100	MC917F	3		MON	.75%	45*	RTL	2	4	0 0	3 0	27n%			16m†		-55	125	4	G0391b	TO86
101	MC918F	3		MON	.75%	45*	RTL	3	4	0 0	3.0	27n%			9.5m†		-55	125	2	G0392d	TO91
102	MC918G	3		MON	75%	45*	RTL	3	4	0.0	3 0	27n%			9.5m†		-55	125	2	G0392c	TO100
103	MC919F	3		MON	75%	.45*	RTL	4	4	0 0	3.0	27n%			11m†		-55	125	2	G0367a	TO86
104	MC817F	3		MON	.80%	.46*	RTL	2	4	0.0	3.6	27n%			20m†		0	75	4	G0391b	TO86
105	MC817P	3		MON	.80%	.46*	RTL	2	4	0.0	3.6	27n%			20m†		0	75	4	G0391c	TO116
106	MC818F	3		MON	.80%	.46*	RTL	3	4	0 0	3.6	27n%			12m†		0	75	2	G0392d	TO91
107	MC818G	3		MON	.80%	.46*	RTL	3	4	0 0	3 6	27n%			12m†		0	75	2	G0392c	TO100
108	MC818P	3		MON	.80%	.46*	RTL	3	4	0.0	3 6	27n%			12m†		0	75	2	G0365f	TO116
109	MC819P	3		MON	.80%	.46*	RTL	4	4	0.0	3.6	27n%			13m†		0	75	2	G0390b	TO116

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	MC892F	3		MON	.82%	.57*	RTL	3	5	0.0	3.6	12n%			57m†		0	100	3	G0365d	TO86
2	MC893F	3		MON	.82%	.57*	RTL	3	4	0.0	3.6	27n%			18m†		0	75	3	G0365d	TO86
3	MC924F	3		MON	.82%	.57*	RTL	2	5	0	4	12n			76m†		-55	125	4	G03153a	TO86
4	MC925F	3		MON	.82%	.57*	RTL	4	5	0	4	12n			38m		-55	125	2	G0390a	TO86
5	MC824F	3		MON	.84%	.55*	RTL	2	5	0	4	12n			76m†		0	100	4	G03153a	TO86
6	MC825F	3		MON	.84%	.55*	RTL	4	5	0	4	12n			38m		0	100	2	G0390a	TO86
7	MC992F	3		MON	84%	55*	RTL	3	5	0.0	3.0	12n%			57m†		-55	125	3	G0365d	TO86
8	MC993F	3		MON	.84%	.55*	RTL	3	4	0.0	3.0	27n%			14m†		-55	125	3	G0365d	TO86
9	MC715P	3		MON	85%	46*	RTL	3	16	0.0	3.6	12n%			55m†		15	55	2	G0392e	TO116
10	MC717P	3		MON	85%	.46*	RTL	2	4	0.0	3.6	27n%			20m†		15	55	4	G0391c	TO116
11	MC718P	3		MON	85%	.46*	RTL	3	4	0.0	3.6	27n%			12m†		15	55	2	G0365f	TO116
12	MC719P	3		MON	.85%	46*	RTL	4	4	0.0	3.6	27n%			13m†		15	55	2	G0390b	TO116
13	MC724P	3		MON	.85%	.46*	RTL	2	16	0.0	3.6	12n%			100m†		15	55	4	G0391c	TO116
14	MC725P	3		MON	.85%	.46*	RTL	4	16	0 0	3.6	12n%			60m†		15	55	2	G0390b	TO116
15	MC892P	3		MON	.85%	.46*	RTL	3	5	0.0	3.6	12n%			82m†		0	75	3	G0365g	TO116
16	MC893P	3		MON	85%	46*	RTL	3	3	0 0	3.6	27n%			18m†		0	75	3	G0365g	TO116
17	MC819F	3		MON	.88%	46*	RTL	4	4	0.0	3 6	27n%			13m†		0	75	2	G0367a	TO86
18	MC792P	3		MON	.88%	.50*	RTL	3	16	0.0	3.6	12n%			82m†		15	55	3	G0365g	TO116
19	MC793P	3		MON	88%	.50*	RTL	3	3	0.0	3 6	27n%			18m†		15	55	3	G0365g	TO116
20	MC815P	3		MON	88%	50*	RTL	3	16	0.0	3 6	12n%			55m†		0	75	2	G0392e	TO116
21	MC824P	3		MON	.88%	50*	RTL	2	5	0.0	3.6	12n%			100m†		0	75	4	G0391c	TO116
22	MC825P	3		MON	.88%	50*	RTL	4	5	0 0	3 6	12n%			60m†		0	75	2	G0390b	TO116
23	MC717F	3		MON	90	10	RTL	2	4	0 0	3 6	27n%			20m†		15	55	4	G0391b	TO86
24	MC718F	3		MON	90	.10	RTL	3	4	0.0	3 6	27n%			12m†		15	55	2	G0392d	TO91
25	MC718G	3		MON	.90	.10	RTL	3	4	0.0	3 6	27n%			12m†		15	55	2	G0392c	TO100
26	MC719F	3		MON	90	10	RTL	4	4	0 0	3.6	27n%			13m†		15	55	2	G0367a	TO86
27	MC792F	3		MON	.90	10	RTL	3	16	0 0	3.6	12n%			82m†		15	55	3	G0365d	TO86
28	MC793F	3		MON	90	10	RTL	3	4	0 0	3.6	27n%			18m†		15	55	3	G0365d	TO86
29	9952DC	3		MON	2.35%	.36†*	RTL	2	12	2.0	4 5	7.0n			2 0	1.0	15	55	2	G03205	TO116
30	MC724AP	3		MON	2 6%	.50*†	RTL	2	5	0 0	3.6	12n			100m		15	55	4	G0391c	TO116
31	MC824AP	3		MON	2.6%	50*†	RTL	2	5	0 0	3.6	12n			100m		0	75	4	G0391c	TO116
32	MC312AF	3		MON	-.8*	-1.8*	TTL	3	8	5.2	0	8 5n	12 n	14n			-55	125	2	G03179	TO91
33	MC312AG	3		MON	- 8*	-1.8*	TTL	3	8	5.2	0	8.5n	12 n	14n			-55	125	2	G03179	CN9
34	9015DM	3		MON	1.7%	90*	TTL	4†	11	0.0	5 0	7.0n			80m†		-55	125	4	G03237	M153a
35	9015FM	3		MON	1 7%	.90*	TTL	4†	11	0.0	5 0	7.0n			80m†		-55	125	4	G03237	FP47b
36#	T122D2-14	3		MON	1.7%	.90*	TTL	2	44	0 0	5.0	6 0n			44m†		-55	125	4		M105e
37#	T122F2	3		MON	1.7%	90*	TTL	2	44	0 0	5 0	6 0n			44m†		-55	125	4		FP28c
38	TG330F	3		MON	1 7%	1.2*	TTL	2	15	0 0	5 0	20n△			80m†	1 1 △	-55	125	4	G03285	TO86
39	TG330J	3		MON	1.7%	1.2*	TTL	2	15	0.0	5.0	20n△			80m†	1.1 △	-55	125	4	G03285	M157c
40	TG331F	3		MON	1.7%	1.2*	TTL	2	15	0.0	5 0	20n△			80m†	1.1 △	-55	125	4	G03285	TO86
41	TG331J	3		MON	1.7%	1.2*	TTL	2	15	0 0	5 0	20n△			80m†	1.1 △	-55	125	4	G03285	M157c
42	TG332F	3		MON	1 7%	1.2*	TTL	2	15	0.0	5 0	20n△			80m†	1.1 △	-55	125	4	G03285	TO86
43	TG332J	3		MON	1.7%	1.2*	TTL	2	15	0.0	5 0	20n△			80m†	1.1 △	-55	125	4	G03285	M157c
44	TG333F	3		MON	1.7%	1 2*	TTL	2	15	0 0	5.0	20n△			80m†	1.1 △	-55	125	4	G03285	TO86
45	TG333J	3		MON	1.7%	1.2*	TTL	2	15	0.0	5 0	20n△			80m†	1.1 △	-55	125	4	G03285	M157c
46	9015DC	3		MON	1.8%	.85*	TTL	4†	11	0.0	5 0	8.0n			80m†		0	75	4	G03237	M153a
47	9015FC	3		MON	1.8%	.85*	TTL	4†	11	0 0	5.0	8.0n			80m†		0	75	4	G03237	FP47b
48#	T122B1-14	3		MON	1.8%	.85*	TTL	2	40	0.0	5.0	6.0n			44m†		0	75	4		M105e
49#	T122D1-14	3		MON	1.8%	85*	TTL	2	40	0.0	5.0	6.0n			44m†		0	75	4		M105e
50#	T122F1	3		MON	1.8%	.85*	TTL	2	40	0.0	5.0	6 0n			44m†		0	75	4		FP28c
51	TG340F	3		MON	1.8%	1 1*	TTL	2	11	0 0	5 0	10n△			88m†	1.0 △	-55	125	4	G03286	TO86
52	TG340J	3		MON	1 8%	1.1*	TTL	2	11	0.0	5 0	10n△			88m†	1.0 △	-55	125	4	G03286	M157c
53	TG341F	3		MON	1 8%	1.1*	TTL	2	11	0 0	5.0	10n△			88m†	1.0 △	-55	125	4	G03286	TO86
54	TG341J	3		MON	1.8%	1 1*	TTL	2	11	0 0	5 0	10n△			88m†	1.0 △	-55	125	4	G03286	M157c
55	TG342F	3		MON	1 8%	1 1*	TTL	2	11	0 0	5.0	10n△			88m†	1 0 △	-55	125	4	G03286	TO86
56	TG342J	3		MON	1 8%	1 1*	TTL	2	11	0 0	5 0	10n△			88m†	1.0 △	-55	125	4	G03286	M157c
57	TG343F	3		MON	1 8%	1 1*	TTL	2	11	0 0	5.0	10n△			88m†	1 0 △	-55	125	4	G03286	TO86
58	TG343J	3		MON	1 8%	1.1*	TTL	2	11	0 0	5.0	10n△			88m†	1 0 △	-55	125	4	G03286	M157c
59	JANM38510/02701BCB	3		MON	2 0%	70*	TTL	2	10	0 0	5.5	99n△			16m		-55	125	4	G03284	M314
60	JANM38510/02701CCB	3		MON	2.0%	70*	TTL	2	10	0 0	5.5	99n△			16m		-55	125	4	G03284	M314
61	SN54L02J	3		MON	2.0%	.70*	TTL	2	10	0.0	5.0	60n△			1.0m†	1.0 △	-55	125	4	G03241a	M157b
62	SN54L02N	3		MON	2.0%	70*	TTL	2	10	0 0	5 0	60n△			1 0m†	1 0 △	-55	125	4	G03241a	M126e
63	SN54L02T	3		MON	2.0%	70*	TTL	2	10	0 0	5 0	60n△			1 0m†	1.0 △	-55	125	4	G03241a	FP52e
64	SN74L02J	3		MON	2.0%	70*	TTL	2	10	0.0	5 0	60n△			1 0m†	1.0 △	0	70	4	G03241a	M157b
65	SN74L02N	3		MON	2.0%	70*	TTL	2	10	0 0	5 0	60n△			1.0m†	1.0 △	0	70	4	G03241a	M126e
66	SN74L02T	3		MON	2 0%	.70*	TTL	2	10	0.0	5.0	60n△			1 0m†	1.0 △	0	70	4	G03241a	FP52e
67#	FJH221	3		MON	2.0%	80*	TTL	2	10	0.0	5.0	13n			56m†	400m	0	70	4	G03173	TO116
68#	FJH221-7402	3		MON	2.0%	.80*	TTL	2	10	0.0	5 0	10n%			57m†	400m	0	70	4	G03173	M126f
69#	FLH191-7402	3		MON	2.0%	.80*	TTL	2	10	0.0	5 0	15n%		4.0n†	107m†	1.0 △	0	70	4	G03200	M126p
70#	FLH195-8402	3		MON	2.0%	.80*	TTL	2	10	0.0	5.0	15n%		4.0n†	107m†	1.0 △	-25	85	4	G03200	M126p
71#	FLH511-7423	3		MON	2.0%	80*	TTL	7†	10	0 0	5 0	22n△			87m†	1 0 △	0	70	2	G03257a	M117w
72#	FLH515-8423	3		MON	2.0%	80*	TTL	7†	10	0.0	5 0	22n△			87m†	1 0 △	-25	85	2	G03257a	M117w
73#	FLH521-7425	3		MON	2 0%	.80*	TTL	5	10	0.0	5.0	22n△			87m†	1.0 △	0	70	2	G03257	M126p
74#	FLH525-8425	3		MON	2.0%	80*	TTL	5	10	0 0	5.0	22n△			87m†	1.0 △	-25	85	2	G03257	M126p
75#	FLH621-7427	3		MON	2.0%	80*	TTL	3	10	0 0	5.0	15n△			105m†	1 0 △	0	70	3	G03258	M126p
76#	FLH625-8427	3		MON	2.0%	80*	TTL	3	10	0.0	5 0	15n△			105m†	1 0 △	-25	85	3	G03258	M126p
77	I762	3		PCB	2.0	80	TTL	2	10	0.0	7.0	22n			56m		-40	85	16		CBØ
78	ITT5402J	3			2.0%	80*	TTL	2	10	0 0	5 0	22n△			40m†		-55	125	4	G03233a	M157
79	ITT7402J	3			2 0%	.80*	TTL	2	10	0 0	5.0	22n△			40m†		0	70	4	G03233a	M157
80	JANM38510/00401BAA	3		MON	2.0%	80*	TTL	2	10	0 0	5.5	25n△			240m		-55	125	4	G03173	FP52d
81	JANM38510/00401BAB	3		MON	2 0%	.80*	TTL	2	10	0.0	5.5	25n△			240m		-55	125	4	G03173	FP52d
82	JANM38510/00401BAC	3		MON	2 0%	.80*	TTL	2	10	0 0	5.5	25n△			240m		-55	125	4	G03173	FP52d
83	JANM38510/00401BCA	3		MON	2 0%	.80*	TTL	2	10	0.0	5 5	25n△			240m		-55	125	4	G03173	M314
84	JANM38510/00401BCB	3		MON	2 0%	80*	TTL	2	10	0.0	5 5	25n△			240m		-55	125	4	G03173	M314
85	JANM38510/00401BCC	3		MON	2.0%	.80*	TTL	2	10	0.0	5 5	25n△			240m		-55	125	4	G03173	M314
86	JANM38510/00401BDB	3		MON	2.0%	80*	TTL	2	10	0 0	5.5	25n△			240m		-55	125	4	G03173	FP83
87	JANM38510/00401BDC	3		MON	2 0%	80*	TTL	2	10	0.0	5.5	25n△			240m		-55	125	4	G03173	FP83
88	JANM38510/00401CAA	3		MON	2 0%	.80*	TTL	2	10	0.0	5.5	25n△			240m		-55	125	4	G03173	FP52d
89	JANM38510/00401CAB	3		MON	2.0%	.80*	TTL	2	10	0 0	5 5	25n△			240m		-55	125	4	G03173	FP52d
90	JANM38510/00401CAC	3		MON	2.0%	.80*	TTL	2	10	0 0	5 5	25n△			240m		-55	125	4	G03173	FP52d
91	JANM38510/00401CCA	3		MON	2.0%	.80*	TTL	2	10	0 0	5.5	25n△			240m		-55	125	4	G03173	M314
92	JANM38510/00401CCB	3		MON	2.0%	.80*	TTL	2	10	0.0	5 5	25n△			240m		-55	125	4	G03173	M314
93	JANM38510/00401CCC	3		MON	2.0%	.80*	TTL	2	10	0 0	5.5	25n△			240m		-55	125	4	G03173	M314

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	JANM38510/00401CDB	3		MON	2.0%	80*	TTL	2	10	0 0	5.5	25nΔ			240m		-55	125	4	G03173	FP83
2	JANM38510/00401CDC	3		MON	2 0%	80*	TTL	2	10	0 0	5.5	25nΔ			240m		-55	125	4	G03173	FP83
3▼	JANM38510/00402BEA	3		MON	2.0%	80*	TTL	7†	10	0.0	5.5	27nΔ			120m		-55	125	2	G03257a	M146c
4	JANM38510/00402BEB	3		MON	2.0%	80*	TTL	7†	10	0.0	5.5	27nΔ			120m		-55	125	2	G03257a	M146c
5♦	JANM38510/00402BFB	3		MON	2.0%	.80*	TTL	7†	10	0 0	5 5	27nΔ			120m		-55	125	2	G03257a	FP93b
6▼	JANM38510/00402CEA	3		MON	2.0%	80*	TTL	7†	10	0.0	5.5	27nΔ			120m		-55	125	2	G03257a	M146c
7	JANM38510/00402CEB	3		MON	2.0%	80*	TTL	7†	10	0.0	5 5	27nΔ			120m		-55	125	2	G03257a	M146c
8♦	JANM38510/00402CFB	3		MON	2 0%	.80*	TTL	7†	10	0.0	5.5	27nΔ			120m		-55	125	2	G03257a	FP93b
9	JANM38510/00403BAA	3		MON	2.0%	.80*	TTL	5	10	0.0	5 5	25nΔ			120m		-55	125	2	G03257	FP52d
10	JANM38510/00403BAB	3		MON	2 0%	.80*	TTL	5	10	0.0	5 5	25nΔ			120m		-55	125	2	G03257	FP52d
11	JANM38510/00403BAC	3		MON	2.0%	80*	TTL	5	10	0.0	5.5	25nΔ			120m		-55	125	2	G03257	FP52d
12	JANM38510/00403BCA	3		MON	2.0%	.80*	TTL	5	10	0.0	5.5	25nΔ			120m		-55	125	2	G03257	M314
13	JANM38510/00403BCB	3		MON	2.0%	.80*	TTL	5	10	0 0	5 5	25nΔ			120m		-55	125	2	G03257	M314
14	JANM38510/00403BCC	3		MON	2.0%	.80*	TTL	5	10	0.0	5.5	25nΔ			120m		-55	125	2	G03257	M314
15	JANM38510/00403BDB	3		MON	2.0%	.80*	TTL	5	10	0.0	5.5	25nΔ			120m		-55	125	2	G03257	FP83
16	JANM38510/00403CAA	3		MON	2 0%	80*	TTL	5	10	0.0	5.5	25nΔ			120m		-55	125	2	G03257	FP52d
17	JANM38510/00403CAB	3		MON	2.0%	.80*	TTL	5	10	0.0	5.5	25nΔ			120m		-55	125	2	G03257	M314
18	JANM38510/00403CAC	3		MON	2 0%	80*	TTL	5	10	0.0	5.5	25nΔ			120m		-55	125	2	G03257	FP52d
19	JANM38510/00403CCA	3		MON	2.0%	.80*	TTL	5	10	0.0	5 5	25nΔ			120m		-55	125	2	G03257	M314
20	JANM38510/00403CCB	3		MON	2 0%	.80*	TTL	5	10	0.0	5.5	25nΔ			120m		-55	125	2	G03257	M314
21	JANM38510/00403CCC	3		MON	2.0%	.80*	TTL	5	10	0.0	5.5	25nΔ			120m		-55	125	2	G03257	M314
22	JANM38510/00403CDB	3		MON	2.0%	.80*	TTL	5	10	0.0	5.5	25nΔ			120m		-55	125	2	G03257	FP83
23	JANM38510/00404BAA	3		MON	2 0%	.80*	TTL	3	10	0.0	5.5	25nΔ			180m		-55	125	3	G03233b	FP52d
24	JANM38510/00404BAB	3		MON	2.0%	.80*	TTL	3	10	0 0	5.5	25nΔ			180m		-55	125	2	G03233b	FP52d
25	JANM38510/00404BAC	3		MON	2.0%	80*	TTL	3	10	0 0	5 5	25nΔ			180m		-55	125	2	G03233b	FP52d
26	JANM38510/00404BCA	3		MON	2.0%	80*	TTL	3	10	0 0	5 5	25nΔ			180m		-55	125	2	G03233b	M314
27	JANM38510/00404BCB	3		MON	2.0%	.80*	TTL	3	10	0.0	5 5	25nΔ			180m		-55	125	3	G03233b	M314
28	JANM38510/00404BCC	3		MON	2.0%	80*	TTL	3	10	0.0	5 5	25nΔ			180m		-55	125	2	G03233b	M314
29	JANM38510/00404BDB	3		MON	2 0%	.80*	TTL	3	10	0 0	5 5	25nΔ			180m		-55	125	3	G03233b	FP83
30	JANM38510/00404CAA	3		MON	2 0%	.80*	TTL	3	10	0 0	5.5	25nΔ			180m		-55	125	3	G03233b	FP52d
31	JANM38510/00404CAB	3		MON	2 0%	80*	TTL	3	10	0 0	5 5	25nΔ			180m		-55	125	3	G03233b	FP52d
32	JANM38510/00404CAC	3		MON	2.0%	80*	TTL	3	10	0 0	5.5	25nΔ			180m		-55	125	3	G03233b	M314
33	JANM38510/00404CCA	3		MON	2.0%	80*	TTL	3	10	0.0	5 5	25nΔ			180m		-55	125	3	G03233b	M314
34	JANM38510/00404CCB	3		MON	2.0%	.80*	TTL	3	10	0.0	5 5	25nΔ			180m		-55	125	3	G03233b	M314
35	JANM38510/00404CCC	3		MON	2.0%	.80*	TTL	3	10	0 0	5 5	25nΔ			180m		-55	125	3	G03233b	FP83
36	JANM38510/00404CDB	3		MON	2.0%	.80*	TTL	2	10	0.0	7.0	13n%			12m†	1 0 Δ	0	75	4	G03173	M105j
37#	M53202P	3		MON	2 0%	.80*	TTL	8Δ	10	0 0	5.0	22n			100m		0	75	2	G03257	M105j
38#	M53225P	3		MON	2.0%	.80*	TTL	3	20	0.0	5.0	15nΔ			137m		0	75	3	G03258	M105j
39#	M53227P	3		MON	2.0%	80*	TTL	2	10	0 0	5 0	22nΔ			55m†	500m	-55	125	4	G03233a	TO116
40#	MIC5402J	3		MON	2 0%	.80*	TTL	5	10	0 0	5.0	11n%			105m	1.0 Δ	-55	125	2	G03257	TO116
41#	MIC5425J	3		MON	2.0%	.80*	TTL	2	30	0.0	5.0	52nΔ			100m†	400m*	-55	125	4	G03228	TO116
42#	MIC5433AJ	3		MON	2.0%	80*	TTL	2	10	0 0	5 0	22nΔ			55m†	500m	-40	85	4	G03233a	TO116
43#	MIC5433J	3		MON	2.0%	80*	TTL	5	10	0.0	5.0	11n%			105m	1.0 Δ	-40	85	2	G03257	TO116
44#	MIC6402J	3		MON	2 0%	.80*	TTL	2	30	0.0	5.0	52nΔ			100m†	400m*	-40	85	4	G03228	TO116
45#	MIC6425J	3		MON	2.0%	.80*	TTL	2	30	0.0	5.0	52nΔ			100m†	400m*	-40	85	4	G03228	TO116
46#	MIC6433AJ	3		MON	2.0%	80*	TTL	2	10	0.0	5.0	22nΔ			55m†	500m	0	75	4	G03233a	M126
47#	MIC6433J	3		MON	2.0%	.80*	TTL	5	10	0 0	5 0	11n%			105m	1 0 Δ	0	75	2	G03257	TO116
48#	MIC7402J	3		MON	2.0%	80*	TTL	5	10	0 0	5.0	11n%			105m	1.0 Δ	0	75	2	G03257	TO116
49#	MIC7402N	3		MON	2.0%	.80*	TTL	2	30	0 0	5.0	52nΔ			100m†	400m*	0	75	4	G03228	TO116
50#	MIC7425J	3		MON	2 0%	.80*	TTL	2	30	0 0	5.0	52nΔ			100m†	400m*	0	75	4	G03228	M126
51#	MIC7425N	3		MON	2.0%	.80*	TTL	2	30	0 0	5.0	52nΔ			100m†	400m*	0	75	4	G03228	TO116
52#	MIC7433AJ	3		MON	2.0%	.80*	TTL	2	30	0 0	5.0	52nΔ			100m†	400m*	0	75	4	G03228	M126
53#	MIC7433AN	3		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			40m†	1.0 Δ	0	70	4	G03173	M126
54#	MIC7433J	3		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			56m	1 0 Δ	0	70	4	G03173a	TO116
55#	MIC7433N	3		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			56m	1 0 Δ	-55	125	4	G03173a	TO116
56	NC7402N	3		MON	2 0%	80*	TTL	2	10	0 0	5.0	22nΔ			56m	1.0 Δ	-25	85	4	G03173a	TO116
57#	SFC402E	3		MON	2 0%	.80*	TTL	2	10	0.0	5.0	22nΔ			56m	1.0 Δ	-40	85	4	G03173a	TO116
58#	SFC402EM	3		MON	2.0%	.80*	TTL	2	10	0 0	5.0	22nΔ			56m	1.0 Δ	0	70	4	G03173a	TO85
59#	SFC402ET	3		MON	2.0%	.80*	TTL	2	10	0 0	5.0	22nΔ			56m	1.0 Δ	-55	125	4	G03173a	TO85
60#	SFC402EV	3		MON	2.0%	.80*	TTL	2	10	0 0	5.0	22nΔ			56m	1.0 Δ	-55	125	4	G03173a	M157b
61#	SFC402P	3		MON	2 0%	.80*	TTL	2	10	0 0	5.0	22nΔ			56m	1.0 Δ	0	70	4	G03173a	TO85
62#	SFC402PM	3		MON	2.0%	80*	TTL	2	10	0.0	5.0	22nΔ			56m	1.0 Δ	-55	125	4	G03173a	TO85
63♦	SN5402J	3		MON	2.0%	80*	TTL	2	10	0.0	5.0	22nΔ			40m†	1 0 Δ	-55	125	4	G03173	M157b
64	SN5402N	3		MON	2 0%	.80*	TTL	2	10	0 0	5.0	22nΔ			56m	1.0 Δ	-55	125	4	G03233a	M126d
65♦	SN5402W	3		MON	2.0%	.80*	TTL	2	10	0 0	5.0	22n			14mΔ	1.0 Δ	-55	125	4	G03173	Δ004AA
66♦	SN5423J	3		MON	2 0%	.80*	TTL	8Δ		0.0	5.0	22n			105m		-55	125	2	G03257a	M153d
67	SN5423N	3		MON	2.0%	80*	TTL	8Δ		0 0	5 0	22n			105m		-55	125	2	G03257a	M117m
68	SN5423W	3		MON	2.0%	80*	TTL	8Δ		0 0	5 0	22n			105m		-55	125	2	G03257a	Δ004AG
69	SN5425J	3		MON	2.0%	.80*	TTL	8Δ		0.0	5.0	22n			105m		-55	125	2	G03257	M157b
70	SN5425N	3		MON	2.0%	80*	TTL	8Δ		0 0	5 0	22n			105m		-55	125	2	G03257	M126e
71♦	SN5425W	3		MON	2 0%	80*	TTL	8Δ		0.0	5.0	22n			105mΔ		-55	125	2	G03257	Δ004AA
72	SN5427J	3		MON	2.0%	80*	TTL	3	20	0.0	5.0	15nΔ			143m		-55	125	3	G03258	M157b
73	SN5427N	3		MON	2.0%	.80*	TTL	3	20	0 0	5 0	15nΔ			143m		-55	125	3	G03258	M126e
74♦	SN5427W	3		MON	2.0%	.80*	TTL	3	20	0.0	5.0	15nΔ			143m		-55	125	3	G03258	Δ004AA

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	SN5428J	3		MON	2.0%	.80*	TTL	2	60	0.0	5.0	8 0n			112m†	1.0 Δ	-55	125	4	G03228	M157b
2	SN5428W	3		MON	2 0%	.80*	TTL	2	60	0 0	5.0	18 Δ			112m†	1.0 Δ	-55	125	4	G03228	Δ004AA
3	SN5433J	3		MON	2.0%	.80*	TTL	2	30	0.0	5.0	12n			112m†	1.0 Δ	-55	125	4	G03228	M157b
4	SN5433W	3		MON	2 0%	.80*	TTL	2	30	0 0	5.0	24nΔ			112m†	1.0 Δ	-55	125	4	G03228	Δ004AA
5#	SN6402N	3		MON	2.0%	80*	TTL	2	10	0 0	7 0	22n%			14m†	1.0	-40	85	4	G03173	M126
6♦	SN7402J	3		MON	2 0%	80*	TTL	2	10	0.0	5.0	22nΔ			40m†	1.0 Δ	0	70	4	G03173	M157b
7♦	SN7402N	3		MON	2.0%	80*	TTL	2	10	0.0	5.0	22nΔ			56m	1.0 Δ	0	70	4	G03233a	M126e
8♦	SN7423J	3		MON	2 0%	80*	TTL	8Δ		0 0	5 0	22n			100m		0	70	2	G03257a	M153d
9♦	SN7423N	3		MON	2.0%	.80*	TTL	8Δ		0.0	5.0	22n			100m		0	70	2	G03257a	M117x
10	SN7423W	3		MON	2.0%	.80*	TTL	8Δ		0.0	5 0	22n			100m		0	70	2	G03257a	Δ004AG
11	SN7425J	3		MON	2.0%	.80*	TTL	8Δ		0 0	5.0	22n			100m		0	70	2	G03257	M157b
12	SN7425N	3		MON	2.0%	.80*	TTL	8Δ		0 0	5.0	22n			100m		0	70	2	G03257	M126e
13	SN7425W	3		MON	2 0%	80*	TTL	8Δ		0 0	5.0	22n			100mΔ		0	70	2	G03257	TO84
14	SN7427J	3		MON	2 0%	80*	TTL	3	20	0.0	5 0	15nΔ			137m		0	70	3	G03258	M157b
15	SN7427N	3		MON	2.0%	.80*	TTL	3	20	0 0	5 0	15nΔ			137m		0	70	3	G03258	M126e
16	SN7428J	3		MON	2 0%	80*	TTL	2	60	0 0	5 0	8.0n			112m†	1 0 Δ	0	70	4	G03228	M157b
17	SN7428N	3		MON	2 0%	.80*	TTL	2	60	0 0	5 0	18 Δ			112m†	1 0 Δ	0	70	4	G03228	M126e
18	SN7433J	3		MON	2.0%	.80*	TTL	2	30	0 0	5 0	12n			112m†	1.0 Δ	0	70	4	G03228	M157b
19	SN7433N	3		MON	2.0%	.80*	TTL	2	30	0.0	5.0	24nΔ			112m†	1.0 Δ	0	70	4	G03228	M126e
20	SN54128J	3		MON	2 0%	80*	TTL	2	30	0 0	5 0	8.0n			112m†	1.0 Δ	-55	125	4	G03228	M157b
21	SN54128W	3		MON	2.0%	.80*	TTL	2	30	0.0	5.0	18 Δ			112m†	1.0 Δ	-55	125	4	G03228	Δ004AA
22	SN74128J	3		MON	2.0%	80*	TTL	2	30	0.0	5.0	8.0n			112m†	1.0 Δ	0	70	4	G03228	M157b
23	SN74128N	3		MON	2 0%	80*	TTL	2	30	0.0	5.0	18 Δ			112m†	1 0 Δ	0	70	4	G03228	M126e
24	SW5402J	3		MON	2.0%	.80*	TTL	2	10	0.0	5 5	13n%			14m	1.0	-55	125	4	G03173	M114
25	SW5423J	3		MON	2.0%	.80*	TTL	7Δ	10	0 0	5.0	22n			105m		-55	125	2	G03257a	M200
26	SW5425J	3		MON	2.0%	.80*	TTL	5	10	0 0	5 0	22nΔ			105m		-55	125	2	G03257	TO116
27▼	SW5427J	3		MON	2.0%	.80*	TTL	3	20	0 0	5 0	15nΔ			143m		-55	125	3	G03258	M157b
28	SW7402J	3		MON	2 0%	80*	TTL	2	10	0.0	5.25	22n%			14m	1.0	0	70	4	G03173	M114
29	SW7402N	3		MON	2.0%	.80*	TTL	2	10	0.0	5 25	22n%			14m	1.0	0	70	4	G03173	M105n
30	SW7423J	3		MON	2 0%	.80*	TTL	7Δ	10	0.0	5 0	22n			100m		0	70	2	G03257a	M200
31	SW7423N	3		MON	2.0%	80*	TTL	7Δ	10	0.0	5 0	22n			100m		0	70	2	G03257a	M117
32	SW7425J	3		MON	2 0%	80*	TTL	5	10	0.0	5 0	22n			100m		0	70	2	G03257	TO116
33	SW7425N	3		MON	2 0%	80*	TTL	5	10	0.0	5.0	22n			100m		0	70	2	G03257	M105n
34#	T7402B1	3		MON	2 0%	.80*	TTL	2	10	0.0	5.0	22nΔ			56m	1.0 Δ	0	70	4	G0366e	M126h
35#	TL7402N	3		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			183m†		0	70	4	G03173	M126n
36#	TL7423N	3		MON	2 0%	.80*	TTL	7Δ	20	0.0	5 0	22nΔ			91m†		0	70	2	G03257a	M117u
37#	TL7425N	3		MON	2.0%	80*	TTL	5Δ	20	0.0	5 0	22nΔ			91m†		0	70	2	G03257	M126n
38#	TL8402N	3		MON	2.0%	80*	TTL	2	10	0.0	5.0	22nΔ			183m†		-25	85	4	G03173	M126n
39	TRW7402#1	3		MON	2 0%	.80	TTL	2	10	0.0	5 0	22n			40m†	1.0	0	70	4	G03173	M126
40	TRW7402#2	3		MON	2.0%	80	TTL	2	10	0.0	5 0	22n			40m†	1.0	0	70	4	G03173	M157
41	US5402A	3		MON	2.0%	80*	TTL	2	10	0.0	5.0	10n	18n	8.0n			-55	125	4	G03233a	M105b
42	US5402J	3		MON	2.0%	80*	TTL	2	10	0.0	5.0	10n	18n	8.0n			-55	125	4	G03233	TO88
43	US5427A	3		MON	2.0%	80*	TTL	3	10	0 0	5.0	10n			50m†	1 0 Δ	-55	125	3	G04233b	M105b
44	US5427J	3		MON	2.0%	.80*	TTL	3	10	0.0	5.0	10n			50m†	1.0 Δ	-55	125	3	G03233c	TO88
45	US5429A	3		MON	2.0%	.80*	TTL	4	10	0.0	5 0	10n			45m†	1.0 Δ	-55	125	2	G03233d	M105b
46	US5429J	3		MON	2.0%	.80*	TTL	4	10	0 0	5.0	10n			45m†	1.0 Δ	-55	125	2	G03233e	TO88
47	US7402A	3		MON	2 0%	.80*	TTL	2	10	0 0	5 0	10n	18n	8.0n			0	70	4	G03233a	M105b
48	US7402J	3		MON	2 0%	.80*	TTL	2	10	0 0	5 0	10n	18n	8.0n			0	70	4	G03233	TO88
49	US7427A	3		MON	2 0%	.80*	TTL	3	10	0.0	5 0	10n			50m†	1.0 Δ	0	70	3	G03233b	M105b
50	US7427J	3		MON	2.0%	80*	TTL	3	10	0.0	5 0	10n			50m†	1.0 Δ	0	70	3	G03233c	TO88
51	US7429A	3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	10n			45m†	1.0 Δ	0	70	2	G03233d	M105b
52	US7429J	3		MON	2.0%	.80*	TTL	4	10	0 0	5 0	10n			45m†	1.0 Δ	0	70	2	G03233e	TO88
53	MC3002F	3		MON	2.4%	.40*†	TTL	2	10	0.0	5.0	6.0n			122m†		0	75	4	G03228	TO86
54	MC3002L,P%	3		MON	2.4%	40*†	TTL	2	10	0.0	5.0	6.0n			122m†		0	75	4	G03228	TO116
55	MC3102F	3		MON	2.4%	40*†	TTL	2	10	0.0	5.0	6.0n			122m†		-55	125	4	G03228	TO86
56	MC3102L	3		MON	2.4%	.40*†	TTL	2	10	0.0	5.0	6.0n			122m†		-55	125	4	G03228	TO116
57	MCB5402F	3		MON	2.4	.40	TTL	2	10	0 0	5.0	10n			48m†		-55	125	4	G03267	FP77
58	MCBC5402	3		MON	2 4	40	TTL	2	10	0.0	5 0	10n			48m†		-55	125	4	G03267	FC2
59	MC5402F	3	30MΔ	MON	2.4%	.40*†	TTL	2	10	0 0	5.0	10n			40m†		-55	125	4	G03233	TO86
60	MC5402L	3	30MΔ	MON	2 4%	.40*†	TTL	2	10	0 0	5 0	10n			40m†		-55	125	4	G03233a	TO116
61	MC7402F	3	30MΔ	MON	2 4%	40*†	TTL	2	10	0.0	5 0	10n			40m†		0	70	4	G03233	TO86
62	MC7402L,P%	3	30MΔ	MON	2.4%	.40*†	TTL	2	10	0.0	5 0	10n			40m†		0	75	4	G03233a	TO116
63	N8242A	3		MON	2.6	40†	TTL	2	20	0.0	5.0	18n		50n	250m		0	70	4	G03242	M105q
64	N8242F	3		MON	2 6%	.40†*	TTL	2	20	0 0	5.0	18n		50n	250m		0	75	4	G03242	M157
65	N8242Q	3		MON	2 6	.40†	TTL	2	20	0 0	5 0	18n		50n	250m		0	70	4	G03242	TO88
66	N8815A	3		MON	2.6%	.40*†	TTL	4	20	0	5	9 0n%		50n	50mΔ	600m	0	75	2	G03218b	TO116
67	N8815J	3		MON	2 6%	.40*†	TTL	4	20	0	5	9.0n%		50n	50mΔ	600m	0	75	2	G03218b	TO88
68	N8875A	3		MON	2 6%	40*†	TTL	3	20	0	5	9.0n%		50n	44mΔ	600m	0	75	3	G03218c	TO116
69	N8875F	3		MON	2 6%	.40†*	TTL	3	20	0 0	5 0	9 0n%		50n	44mΔ	600m	0	75	3	G03218c	M157
70	N8875J	3		MON	2 6%	.40*†	TTL	3	20	0	5	9 0n%		50n	44mΔ	600m	0	75	3	G03218c	TO88
71	N8885A	3		MON	2 6%	.40*†	TTL	2	20	0	5	9.0n%		50n	37mΔ	600m	0	75	4	G03218d	TO116
72	N8885F	3		MON	2 6%	.40†*	TTL	2	20	0.0	5.0	9.0n%		50n	37mΔ	600m	0	75	4	G03218d	M157
73	N8885J	3		MON	2 6%	40*†	TTL	2	20	0	5	9.0n%		50n	37mΔ	600m	0	75	4	G03218d	TO88
74	S8242A	3		MON	2.6	.40†	TTL	2	20	0 0	5 0	18n		50n	250m		-55	125	4	G03242	M105q
75	S8242Q	3		MON	2.6	.40†	TTL	2	20	0.0	5 0	18n		50n	250m		-55	125	4	G03242	TO88
76	S8815A	3		MON	2 6%	40*†	TTL	4	20	0	5	9.0n%		50n	50mΔ	600m	-55	125	2	G03218b	TO116
77	S8815J	3		MON	2 6%	40*†	TTL	4	20	0	5	9.0n%		50n	50mΔ	600m	-55	125	2	G03218b	TO88
78	S8875A	3		MON	2.6%	40*†	TTL	3	20	0	5	9 0n%		50n	44mΔ	600m	-55	125	3	G03218c	TO116
79	S8875F	3		MON	2 6%	40†*	TTL	3	20	0.0	5 0	9.0n%		50n	44mΔ	600m	-55	125	3	G03218c	M157
80	S8875J	3		MON	2 6%	40*†	TTL	3	20	0	5	9 0n%		50n	44mΔ	600m	-55	125	3	G03218c	TO88
81	S8885A	3		MON	2.6%	.40*†	TTL	2	20	0	5	9.0n%		50n	37mΔ	600m	-55	125	4	G03218d	TO116
82	S8885F	3		MON	2.6%	.40†*	TTL	2	20	0.0	5 0	9.0n%		50n	37mΔ	600m	-55	125	4	G03218d	M157
83	S8885J	3		MON	2 6%	.40*†	TTL	2	20	0	5	9 0n%		50n	37mΔ	600m	-55	125	4	G03218d	TO88
84	54R02	3			2.7	.40	TTL	2	10	0.0	5 0	6 5n			170m		-55	125			
85	74R02	3			2.8	.40	TTL	2	10	0.0	5.0	6 5n			170m		0	75			
86	RG3412D	3		MON	3.0%	45*†	TTL	2	11	0 0	5 0	9.5nΔ	3 0n	2 5n	120m†	1.1	0	75	4	G03259	M105m
87	RG3412K	3		MON	3.0%	45*†	TTL	2	11	0.0	5 0	9.5nΔ	3.0n	2 5n	120m†	1 1	0	75	4	G03259	FP21b
88	RG3410D	3		MON	3 1%	40*†	TTL	2	11	0.0	5 0	9.5nΔ	3.0n	2.5n	120m†	1 1	-55	125	4	G03259	M105m
89	RG3410K	3		MON	3.1%	.40*†	TTL	2	11	0.0	5 0	9.5nΔ	3 0n	2.5n	120m†	1.1	-55	125	4	G03259	FP21b
90	TMNR12	3		PCB	3.3	22	TTL			0.0	5.0	29nΔ			225m†				12	G03233a	
91	RG340D	3	35M	MON	3.3%	30%	TTL	2	11	0.0	5 0	6.0n	3.0n	2 5n	120m	1.1	-55	125	4		TO116
92	RG340K	3	35M	MON	3 3%	.30%	TTL	2	11	0.0	5 0	6 0n	3.0n	2.5n	120m	1.0	-55	125	4		FP21g
93	RG341D	3	35M	MON	3 3%	30%	TTL	2	7	0.0	5.0	6.0n	3 0n	2 5n	120m	1.1	-55	125	4		TO116
94	RG341K	3	35M	MON	3 3%	30%	TTL	2	7	0.0	5 0	6.0n	3 0n	2.5n	120m	1.1	-55	125	4		FP21g
95	RG342D	3	35M	MON	3.3%	30%	TTL	2	9	0.0	5 0	6.0n	3.0n	2.5n	120m	1.1	0	75	4		TO116
96	RG342K	3	35M	MON	3.3%	.30%	TTL	2	9	0 0	5.0	6 0n	3.0n	2 5n	120m	1.0	0	75	4		FP21g
97	RG343D	3	35M	MON	3.3%	.30%	TTL	2	6	0.0	5.0	6.0n	3 0n	2.5n	120m	1.1	0	75	4		TO116
98	RG343K	3	35M	MON	3.3%	.30%	TTL	2	6	0.0	5 0	6 0n	3.0n	2 5n	120m	1.1	0	75	4		FP21g
99#	ZN5402E	3		MON	3.5	.20	TTL	2	10	0.0	5.0	29n			10m	1.0	-55	125	4		M126
100#	ZN5402F	3		MON	3.5	.20	TTL	2	10	0.0	5.0	29n			10m	1.0	-55	125	4		TO86
101#	ZN7402E	3		MON	3.5	20	TTL	2	10	0.0	5.0	29n			10m	1 0	-55	125	4		M126
102#	ZN7402F	3		MON	3.5	20	TTL	2	10	0.0	5 0	29n			10m	1.0	-55	125	4		TO86
103	MM4601AD	3		MOS	3 5%	1.5*	TTL	2		0.0	5.0	65n			500m	450m	-55	125	4	G03212	M297a
104	MM5601AN	3		MOS	3.5%	1 5*	TTL	2		0 0	5.0	125n			500m	450m	-25	70	4	G03212	M126m
105	MM480	3	2.0M	MOS	-8.0%	-1.0*†	TTL	3	10	10	0	250n%			24m		-55	125	2	G03202	TO100
106	MM580	3	2 0M	MOS	-8 0%	-1.0*†	TTL	3	10	10	0	250n%			24m		0	70	2	G03202	TO100
107	M201	3	3 0M	PCB	10	0 0	TTL	2	50	0 0	10	65n	20n	20n			-55	95	16		CB☑
108	M203	3	3 0M	PCB	10	0 0	TTL	3	50	0.0	10	45n	20n	20n			-55	95	12		CB☑
109	M205	3	3 0M	PCB	10	0 0	TTL	4	50	0 0	10	80n	20n	20n			-55	95	8		CB☑
110#	SFC453HE	3,1		MON			DTL	9	10	0	7	6n			20m†	400m	0	70	1		TO116

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	[6] TYPE No.	[1] TYPE OF GATE	[5] MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL [3] '1' (V)	LOGIC LEVEL [4] '0' (V)	LOGIC TYPE [2]	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1#	SFC453HPM	3,1		MON			DTL	9	10	0	7	6n			20mt	400m	-55	125	1		ZB165
2#	SFC454PM	3,1		MON			DTL	8	10	0	7	13n			40mt	400m	-55	125	1	G03175	ZB165
3#	T103D2-14	3,1		MON	1.7%	.90*	TTL	3	10	0.0	5 0	12nΔ			33mt	400m	-55	125	3	G03250b	M105e
4#	T103F2	3,1		MON	1.7%	.90*	TTL	3	10	0.0	5 0	12nΔ			33mt	400m	-55	125	3	G03250b	FP28c
5#	T105D2-14	3,1		MON	1.7%	90*	TTL	6Δ	10	0.0	5.0	15nΔ			22mt	400m	-55	125	2	G03248	M105e
6#	T105F2	3,1		MON	1.7%	90*	TTL	6Δ	10	0 0	5.0	15nΔ			22mt	400m	-55	125	2	G03248	FP28c
7#	T108D2-14	3,1		MON	1 7%	90*	TTL	11Δ	10	0 0	5 0	15nΔ			11mt	400m	-55	125	1	G03249	M105e
8#	T108F2	3,1		MON	1 7%	.90*	TTL	11Δ	10	0 0	5 0	15nΔ			11mt	400m	-55	125	1	G03249	FP28c
9#	T109D2-14	3,1		MON	1.7%	.90*	TTL	4	10	0.0	5.0	15nΔ			22mt	400m	-55	125	2	G03250	M105e
10#	T109F2	3,1		MON	1.7%	.90*	TTL	4	10	0 0	5 0	15nΔ			22mt	400m	-55	125	2	G03250	FP28c
11#	T115D2-14	3,1		MON	1 7%	.90*	TTL	4	10	0 0	5.0	14nΔ			22mt	400m	-55	125	2	G03248a	M105e
12#	T115F2	3,1		MON	1 7%	.90*	TTL	4	10	0.0	5.0	14nΔ			22mt	400m	-55	125	2	G03248a	FP28c
13	TG210F	3,1		MON	1.7%	1.1*	TTL	9Δ	15	0.0	7 0				22mt	1 0 Δ	-55	125	1	G03189b	FP21c
14	TG210J	3,1		MON	1 7%	1.1*	TTL	9Δ	15	0.0	7.0				22mt	1.0 Δ	-55	125	1	G03189b	TO116
15	TG211F	3,1		MON	1.7%	1.1*	TTL	9Δ	7	0.0	7.0				22mt	1.0 Δ	-55	125	1	G03189b	FP21c
16	TG211J	3,1		MON	1 7%	1.1*	TTL	9Δ	7	0.0	7.0				22mt	1.0 Δ	-55	125	1	G03189b	TO116
17	TG212F	3,1		MON	1.7%	1.1*	TTL	9Δ	15	0 0	7.0				22mt	1 0 Δ	0	75	1	G03189b	FP21c
18	TG212J	3,1		MON	1.7%	1.1*	TTL	9Δ	15	0.0	7 0				22mt	1 0 Δ	0	75	1	G03189b	TO116
19	TG213F	3,1		MON	1.7%	1.1*	TTL	9Δ	7	0.0	7.0				22mt	1.0 Δ	0	75	1	G03189b	FP21c
20	TG213J	3,1		MON	1 7%	1.1*	TTL	9Δ	7	0.0	7.0				22mt	1.0 Δ	0	75	1	G03189b	TO116
21	TG250F	3,1		MON	1.7%	1 1*	TTL	10Δ	15	0.0	7.0				22mt	1.0 Δ	-55	125	1	G03204	FP21c
22	TG250J	3,1		MON	1.7%	1.1*	TTL	10Δ	15	0.0	7 0				22mt	1 0 Δ	-55	125	1	G03204	TO116
23	TG251F	3,1		MON	1.7%	1.1*	TTL	10Δ	7	0.0	7 0				22mt	1 0 Δ	-55	125	1	G03204	FP21c
24	TG251J	3,1		MON	1 7%	1 1*	TTL	10Δ	7	0.0	7.0				22mt	1.0 Δ	-55	125	1	G03204	TO116
25	TG252F	3,1		MON	1 7%	1 1*	TTL	10Δ	15	0.0	7.0				22mt	1.0 Δ	0	75	1	G03204	FP21c
26	TG252J	3,1		MON	1 7%	1 1*	TTL	10Δ	15	0 0	7.0				22mt	1.0 Δ	0	75	1	G03204	TO116
27	TG253F	3,1		MON	1.7%	1.1*	TTL	10Δ	7	0.0	7.0				22mt	1.0 Δ	0	75	1	G03204	FP21c
28	TG253J	3,1		MON	1.7%	1 1*	TTL	10Δ	7	0 0	7 0				22mt	1.0 Δ	0	75	1	G03204	TO116
29#	T103B1-14	3,1		MON	1 8%	85*	TTL	3	10	0.0	5.0	15nΔ			33mt	400m	0	75	3	G03250b	M105e
30#	T103D1-14	3,1		MON	1.8%	85*	TTL	3	10	0.0	5.0	15nΔ			33mt	400m	0	75	3	G03250b	M105e
31#	T103F1	3,1		MON	1 8%	85*	TTL	3	10	0.0	5.0	15nΔ			33mt	400m	0	75	3	G03250b	FP28c
32#	T108B1-14	3,1		MON	1 8%	85*	TTL	11Δ	10	0.0	5.0	18nΔ			11mt	400m	0	75	1	G03249	M105e
33#	T108D1-14	3,1		MON	1 8%	85*	TTL	11Δ	10	0.0	5.0	18nΔ			11mt	400m	0	75	1	G03249	M105e
34#	T108F1	3,1		MON	1 8%	85*	TTL	11Δ	10	0.0	5.0	18nΔ			11mt	400m	0	75	1	G03249	FP28c
35#	T109B1-14	3,1		MON	1.8%	.85*	TTL	4	10	0.0	5 0	17nΔ			22mt	400m	0	75	2	G03250	M105e
36#	T109D1-14	3,1		MON	1.8%	.85*	TTL	4	10	0.0	5 0	17nΔ			22mt	400m	0	75	2	G03250	M105e
37#	T109F1	3,1		MON	1 8%	85*	TTL	4	10	0.0	5.0	17nΔ			22mt	400m	0	75	2	G03250	FP28c
38#	T115B1-14	3,1		MON	1 8%	.85*	TTL	4	10	0 0	5.0	15nΔ			22mt	400m	0	75	2	G03248a	M105e
39#	T115D1-14	3,1		MON	1.8%	.85*	TTL	4	10	0.0	5 0	15nΔ			22mt	400m	0	75	2	G03248a	M105e
40#	T115F1	3,1		MON	1.8%	85*	TTL	4	10	0.0	5.0	15nΔ			22mt	400m	0	75	2	G03248a	FP28c
41#	SFC451LE	3,1		MON	2.0%	.70*	TTL	4	10	0.0	5 0	90nΔ				1.0mt	0	70	2	G03175b	TO116
42#	SFC451LEM	3,1		MON	2.0%	.70*	TTL	4	10	0.0	5.0	90nΔ				1.0mt	-55	125	2	G03175b	TO116
43#	SFC454LE	3,1		MON	2.0%	.70*	TTL	10	10	0 0	5.0	90nΔ			1.0mt	1.0 Δ	0	70	1	G03175d	TO116
44#	SFC454LEM	3,1		MON	2 0%	.70*	TTL	10	10	0 0	5.0	90nΔ			1.0mt	1.0 Δ	-55	125	1	G03175d	TO116
45#	M5352P	3,1		MON	2 0%	80*	TTL	6Δ	10	0.0	7.0	13n%			14mt	1.0 Δ	0	75	2	G03218	M105j
46#	M53250P	3,1		MON	2.0%	80*	TTL	6Δ	10	0.0	7 0	13n%			14mt	1 0 Δ	0	75	2	G03236	M105j
47#	M53253P	3,1		MON	2.0%	80*	TTL	10Δ	10	0.0	7.0	13n%			22mt	1.0 Δ	0	75	1	G03175	M105j
48#	MIC74H50J	3,1		MON	2.0%	80*	TTL	6†	10	0.0	7.0	10nΔ				1.0 Δ	0	75	2	G03214	M157
49#	MIC74H51J	3,1		MON	2.0%	80*	TTL	4	10	0 0	7.0	10nΔ				1.0 Δ	0	75	2	G03214a	M157
50#	MIC74H53J	3,1		MON	2.0%	80*	TTL	11†	10	0.0	7 0	10nΔ				1.0 Δ	0	75	1	G03215	M157
51#	MIC74H54J	3,1		MON	2 0%	80*	TTL	9	10	0.0	7.0	10nΔ				1.0 Δ	0	75	1	G03215a	M157
52▼#	MIC74H55J	3,1		MON	2.0%	80*	TTL	10†	10	0.0	5 0	10nΔ				1.0 Δ	0	75	1	G03214b	TO116
53	NC74H50N	3,1		MON	2 0%	80*	TTL	6†	10	0 0	7 0	10nΔ				1.0 Δ	0	70	2	G03214	M126
54	NC74H51N	3,1		MON	2 0%	80*	TTL	4	10	0.0	7.0	10nΔ				1.0 Δ	0	70	2	G03214a	M126
55	NC74H53N	3,1		MON	2.0%	80*	TTL	11†	10	0.0	7 0	10nΔ				1.0 Δ	0	70	1	G03215	M126
56	NC74H54N	3,1		MON	2.0%	80*	TTL	9	10	0 0	7 0	10nΔ				1.0 Δ	0	70	1	G03215a	M126
57	NC74H55N	3,1		MON	2.0%	80*	TTL	10†	10	0 0	7.0	10nΔ				1.0 Δ	0	70	1	G03214b	M126
58	NC7450N	3,1		MON	2.0%	80*	TTL	4	10	0.0	7 0	13n%			14mΔ	1.0	0	70	2		TO116
59	NC7451N	3,1		MON	2.0%	80*	TTL	4	10	0 0	5 0	22nΔ			40mt	1.0 Δ	0	70	2	G03174a	M126
60	NC7453N	3,1		MON	2 0%	80*	TTL	9	10	0.0	7.0	13n%			14mΔ	1.0	0	70	2		TO116
61	NC7454N	3,1		MON	2 0%	80*	TTL	8	10	0.0	5 0	22n%			14mt	1.0	0	70	1	G03175a	M126
62#	SFC450EM	3,1		MON	2.0%	80*	TTL	4	10	0 0	5 0	22nΔ			14mΔ	1.0	-55	125	2	G03174	TO116
63#	SFC451EM	3,1		MON	2.0%	80*	TTL	4	10	0.0	5.0	22nΔ			40mt	1.0 Δ	-55	125	2	G03174a	TO116
64#	SFC451ET	3,1		MON	2.0%	80*	TTL	4	10	0.0	5.0	22nΔ			40mt	1.0 Δ	-25	85	2	G03174a	TO116
65#	SFC451HE	3,1		MON	2 0%	80*	TTL	4	10	0.0	5.0	10nΔ				1.0 Δ	0	70	2	G03214a	TO116
66#	SFC451HEM	3,1		MON	2.0%	80*	TTL	4	10	0.0	5.0	10nΔ				1.0 Δ	-55	125	2	G03214a	TO116
67#	SFC451HPM	3,1		MON	2.0%	80*	TTL	4	10	0.0	5 0	10nΔ				1.0 Δ	-55	125	2	G03214a	TO85
68#	SFC453E	3,1		MON	2 0%	80*	TTL	8	10	0.0	7.0	13n			10mΔ	400m*	0	70	1	G03175	TO116
69#	SFC453EM	3,1		MON	2.0%	80*	TTL	9	10	0.0	5 0	22nΔ			14mΔ	1.0	-55	125	1	G03175	TO116
70#	SFC453ET	3,1		MON	2.0%	80*	TTL	9	10	0 0	5 0	22nΔ			14mΔ	1.0	-25	85	1	G03175	TO116
71#	SFC454E	3,1		MON	2.0%	80*	TTL	8	10	0.0	7.0	13n			10mΔ	400m*	0	70	1	G03175a	TO116
72#	SFC454EM	3,1		MON	2 0%	80*	TTL	8	10	0.0	5.0	22nΔ			14mΔ	1.0	-55	125	1	G03175a	TO116
73#	SFC454ET	3,1		MON	2.0%	80*	TTL	8	10	0.0	5.0	22nΔ			14mΔ	1.0	-25	85	1	G03175a	TO116
74#	SFC454HE	3,1		MON	2.0%	80*	TTL	9	10	0 0	5 0	10nΔ				1.0 Δ	0	70	1	G03215a	TO116
75#	SFC454HEM	3,1		MON	2.0%	80*	TTL	9	10	0.0	5.0	10nΔ				1.0 Δ	-55	125	1	G03215a	TO116
76#	SFC454HPM	3,1		MON	2.0%	80*	TTL	9	10	0.0	5.0	10nΔ				1 0 Δ	-55	125	1	G03215a	TO85
77♦	SN54H50J	3,1		MON	2.0%	80*	TTL	6†	10	0.0	7.0	10nΔ				1.0 Δ	-55	125	2	G03214	M157b
78	SN54H50N	3,1		MON	2 0%	80*	TTL	6†	10	0.0	7.0	10nΔ				1.0 Δ	-55	125	2	G03214	M126
79♦	SN54H50W	3,1		MON	2.0%	80*	TTL	6†	10	0.0	5.0	10nΔ			60mt	1 0 Δ	-55	125	2	G03214	Δ004AA
80♦	SN54H51J	3,1		MON	2.0%	80*	TTL	4	10	0	7	10nΔ				1.0 Δ	-55	125	2	G03214a	M157b
81	SN54H51N	3,1		MON	2 0%	80*	TTL	4	10	0	7	10nΔ				1.0 Δ	-55	125	2	G03214a	M126
82♦	SN54H51W	3,1		MON	2.0%	80*	TTL	4	10	0.0	5.0	10nΔ			60mt	1.0 Δ	-55	125	2	G03214a	Δ004AA
83♦	SN54H53J	3,1		MON	2.0%	80*	TTL	11†	10	0.0	7.0	10nΔ				1.0 Δ	-55	125	1	G03215	M157b
84	SN54H53N	3,1		MON	2.0%	80*	TTL	11†	10	0.0	7.0	10nΔ				1 0 Δ	-55	125	1	G03215	M126
85♦	SN54H53W	3,1		MON	2.0%	80*	TTL	11†	10	0.0	5.0	10nΔ			40mt	1 0 Δ	-55	125	1	G03215	M126e
86♦	SN54H54J	3,1		MON	2.0%	80*	TTL	9	10	0	7	10nΔ				1.0 Δ	-55	125	1	G03215a	M157b
87	SN54H54N	3,1		MON	2.0%	80*	TTL	9	10	0	7	10nΔ				1.0 Δ	-55	125	1	G03215a	M126
88♦	SN54H54W	3,1		MON	2.0%	80*	TTL	9	10	0.0	5.0	10nΔ			40mt	1 0 Δ	-55	125	1	G03215a	Δ004AA
89♦	SN54H55J	3,1		MON	2.0%	80*	TTL	10†	10	0.0	7.0	10nΔ				1.0 Δ	-55	125	1	G03214b	M157b
90	SN54H55N	3,1		MON	2.0%	80*	TTL	10†	10	0.0	7.0	10nΔ				1.0 Δ	-55	125	1	G03214b	M126
91♦	SN54H55W	3,1		MON	2.0%	80*	TTL	10†	10	0.0	5.0	10nΔ			30mt	1.0 Δ	-55	125	1	G03214b	Δ004AA
92♦	SN74H50J	3,1		MON	2.0%	80*	TTL	6†	10	0.0	7.0	10nΔ				1.0 Δ	0	70	2	G03214	M157b
93♦	SN74H50N	3,1		MON	2.0%	80*	TTL	6†	10	0.0	7.0	10nΔ				1.0 Δ	0	70	2	G03214	M126e
94	SN74H50W	3,1		MON	2.0%	80*	TTL	6†	10	0 0	5.0	10nΔ			60mt	1.0 Δ	0	70	2	G03214	TO84
95♦	SN74H51J	3,1		MON	2.0%	80*	TTL	4	10	0	7	10nΔ				1.0 Δ	0	70	2	G03214a	M157b
96♦	SN74H51N	3,1		MON	2 0%	80*	TTL	4	10	0	7	10nΔ				1.0 Δ	0	70	2	G03214a	M126e
97	SN74H51W	3,1		MON	2.0%	80*	TTL	4	10	0.0	5 0	10nΔ			60mt	1 0 Δ	0	70	2	G03214a	TO84
98♦	SN74H53J	3,1		MON	2.0%	80*	TTL	11†	10	0.0	7.0	10nΔ				1.0 Δ	0	70	1	G03215	M157b
99♦	SN74H53N	3,1		MON	2.0%	.80*	TTL	11†	10	0.0	7.0	10nΔ				1 0 Δ	0	70	1	G03215	Δ004AA
100♦	SN74H54J	3,1		MON	2.0%	.80*	TTL	9	10	0	7	10nΔ				1 0 Δ	0	70	1	G03215a	M157b
101♦	SN74H54N	3,1		MON	2 0%	.80*	TTL	9	10	0	7	10nΔ				1 0 Δ	0	70	1	G03215a	M126e
102	SN74H54W	3,1		MON	2.0%	.80*	TTL	9	10	0.0	5 0	10nΔ			40mt	1.0 Δ	0	70	1	G03215a	TO84
103♦	SN74H55J	3,1		MON	2.0%	.80*	TTL	10†	10	0.0	7.0	10nΔ				1.0 Δ	0	70	1	G03214b	M157b
104♦	SN74H55N	3,1		MON	2.0%	.80*	TTL	10†	10	0 0	7.0	10nΔ				1.0 Δ	0	70	1	G03214b	M126e
105	SN74H55W	3,1		MON	2.0%	.80*	TTL	10†	10	0.0	5.0	10nΔ			30mt	1.0 Δ	0	70	1	G03214b	TO84
106♦	SN5450J	3,1		MON	2.0%	80*	TTL	5Δ	10	0.0	5 0	22nΔ			40mt	1 0 Δ	-55	125	2	G03174	M157b
107	SN5450N	3,1		MON	2.0%	.80*	TTL	5Δ	10	0.0	5 0	22nΔ			40mt	1.0 Δ	-55	125	2	G03174	M126e
108♦	SN5450W	3,1		MON	2.0%	.80*	TTL	5Δ	10	0.0	5.0	22nΔ			40mt	1.0 Δ	-55	125	2	G03174	Δ004AA
109♦	SN5451J	3,1		MON	2 0%	80*	TTL	4	10	0.0	5.0	22nΔ			40mt	1 0 Δ	-55	125	2	G03174a	M157b
110	SN5451N	3,1		MON	2.0%	.80*	TTL	4	10	0.0	5 0	22nΔ			40mt	1.0 Δ	-55	125	2	G03174a	M157

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1♦	SN5451W	3,1		MON	2.0%	.80*	TTL	4	10	0 0	5.0	22nΔ			40mt	1.0 Δ	-55	125	2	G03174a	Δ004AA
2♦	SN5453J	3,1		MON	2.0%	80*	TTL	6Δ	10	0.0	5.0	22nΔ			10mt	1.0 Δ	-55	125	1	G03175	M157b
3	SN5453N	3,1		MON	2.0%	80*	TTL	8	10	0.0	7.0	22n%			14mΔ	1.0	-55	125	1	G03175	M75a
4♦	SN5453W	3,1		MON	2.0%	80*	TTL	6Δ	10	0.0	5 0	22nΔ			10mt	1.0 Δ	-55	125	1	G03175	Δ004AA
5♦	SN5454J	3,1		MON	2.0%	80*	TTL	4	10	0.0	5 0	22nΔ			10mt	1 0 Δ	-55	125	1	G03175a	M157b
6	SN5454N	3,1		MON	2.0%	80*	TTL	8	10	0 0	7.0	22n%			14mΔ	1.0	-55	125	1		M75a
7♦	SN5454W	3,1		MON	2.0%	.80*	TTL	4	10	0.0	5 0	22nΔ			10mt	1 0 Δ	-55	125	1	G03175a	Δ004AA
8#	SN6450N	3,1		MON	2.0%	.80*	TTL	4	10	0.0	7 0	13n%			14mt	1.0	-40	85	2	G03174	M75a
9#	SN6451N	3,1		MON	2.0%	80*	TTL	4	10	0 0	7.0	22n%			14mt	1.0	-40	85	2	G03174a	M75a
10#	SN6453N	3,1		MON	2.0%	.80*	TTL	9Δ	10	0.0	7 0	22n%			14mt	1.0	-40	85	2	G03175	M75a
11#	SN6454N	3,1		MON	2.0%	.80*	TTL	8	10	0.0	7.0	22n%			14mt	1.0	-40	85	1	G03175a	M75a
12♦	SN7450J	3,1		MON	2.0%	.80*	TTL	5Δ	10	0.0	5 0	22nΔ			40mt	1 0 Δ	0	70	2	G03174	M157b
13♦	SN7450N	3,1		MON	2.0%	80*	TTL	4	10	0.0	5.0	13n%			14mΔ	1.0	0	70	2	G03174	M126e
14	SN7451	3,1		MON	2.0%	80*	TTL	4	10	0 0	7 0	22n%			14mΔ	1 0	0	70	2	G03174a	TO84
15♦	SN7451J	3,1		MON	2 0%	80*	TTL	4	10	0.0	5 0	22nΔ			40mt	1.0 Δ	0	70	2	G03174a	M157b
16♦	SN7451N	3,1		MON	2.0%	80*	TTL	4	10	0.0	5 0	22nΔ			40mt	1.0 Δ	0	70	2	G03174a	M126e
17	SN7453	3,1		MON	2.0%	80*	TTL	9Δ	10	0 0	7 0	22n%			14mΔ	1.0	0	70	1	G03175	TO84
18♦	SN7453J	3,1		MON	2.0%	.80*	TTL	6Δ	10	0.0	5 0	22nΔ			10mt	1 0 Δ	0	70	1	G03175	M157b
19♦	SN7453N	3,1		MON	2.0%	.80*	TTL	9	10	0 0	5.0	22n%			14mΔ	1.0	0	70	1	G03175	M126e
20	SN7454	3,1		MON	2.0%	.80*	TTL	8	10	0 0	7 0	22n%			14mΔ	1.0	0	70	1	G03175a	TO84
21♦	SN7454J	3,1		MON	2.0%	.80*	TTL	4	10	0.0	5 0	22nΔ			10mt	1.0 Δ	0	70	1	G03175a	M157b
22♦	SN7454N	3,1		MON	2.0%	.80*	TTL	8	10	0 0	5.0	22n%			14mΔ	1.0	0	70	1	G03175a	M126e
23	SW5450J	3,1		MON	2.0%	80*	TTL	5Δ	10	0 0	5 5	22n%			60mt	1.0	-55	125	2	G03174	M114
24	SW5451J	3,1		MON	2.0%	.80*	TTL	4	10	0 0	5.5	22n%			60mt	1.0	-55	125	2	G03174a	M114
25	SW5453J	3,1		MON	2.0%	80*	TTL	9Δ	10	0 0	5.5	22n%			14mΔ	1 0	-55	125	1	G03175	M114
26	SW5454J	3,1		MON	2.0%	.80*	TTL	8	10	0 0	5 5	22n%			14mΔ	1.0	-55	125	1	G03175a	M114
27	SW7450J	3,1		MON	2 0%	80*	TTL	4	10	0.0	5 25	22 %			40mt	1.0	0	70	2	G03174	M114
28	SW7450N	3,1		MON	2 0%	80*	TTL	5Δ	10	0.0	5 25	22n%			60mt	1.0	0	70	2	G03174	M105n
29	SW7451J	3,1		MON	2 0%	80*	TTL	4	10	0.0	5.25	22n%			60mt	1.0	0	70	2	G03174a	M114
30	SW7451N	3,1		MON	2.0%	.80*	TTL	4	10	0 0	5.25	22n%			60mt	1.0	0	70	2	G03174a	M105n
31	SW7453J	3,1		MON	2 0%	80*	TTL	9Δ	10	0 0	5 25	22n%			14mΔ	1.0	0	70	1	G03175	M114
32	SW7453N	3,1		MON	2 0%	.80*	TTL	9Δ	10	0 0	5 25	22n%			14mΔ	1 0	0	70	1	G03175	M105n
33	SW7454J	3,1		MON	2.0%	80*	TTL	8	10	0.0	5.25	22n%			14mΔ	1.0	0	70	1	G03175a	M114
34	SW7454N	3,1		MON	2 0%	80*	TTL	8	10	0 0	5.25	22n%			14mΔ	1 0	0	70	1	G03175a	M105n
35#	T7450B1	3,1		MON	2.0%	80*	TTL	5†	10	0.0	5.0	13n%			14mΔ	1.0	0	70	2	G02170	M126h
36#	T7451B1	3,1		MON	2 0%	80*	TTL	4	10	0.0	5.0	22nΔ			40mt	1.0 Δ	0	70	2	G03177a	M126h
37#	T7453B1	3,1		MON	2 0%	80*	TTL	10Δ	10	0.0	5 0	22nΔ			14mΔ	1.0	0	70	1	G03249	M126h
38#	T7454B1	3,1		MON	2 0%	80*	TTL	8	10	0 0	5 0	22nΔ			14mΔ	1.0	0	70	1	G02171a	M126h
39#	TL7450N	3,1		MON	2 0%	80*	TTL	6Δ	10	0 0	5.0	22nΔ			55mt		0	70	2	G03236b	M126n
40#	TL7451N	3,1		MON	2.0%	80*	TTL	4	10	0 0	5 0	22nΔ			55mt		0	70	2	G03236a	M126n
41#	TL7453N	3,1		MON	2 0%	80*	TTL	10Δ	10	0.0	5.0	22nΔ			45mt		0	70	1	G03268d	M126n
42#	TL7454N	3,1		MON	2.0%	80*	TTL	8	10	0 0	5 0	22nΔ			45mt		0	70	1	G03268e	M126n
43#	TL8451N	3,1		MON	2.0%	80*	TTL	4	10	0 0	5.0	22nΔ			55mt		-25	85	2	G03236a	M126n
44#	TL8454N	3,1		MON	2.0%	80*	TTL	8	10	0.0	5 0	22nΔ			45mt		-25	85	1	G03268e	M126n
45	TRW7450#1	3,1		MON	2.0%	.80	TTL	6†	10	0 0	5.0	20n%			20mt		0	70	2	G03174	M157
46	TRW7450#2	3,1		MON	2.0%	.80	TTL	6†	10	0 0	5.0	20n%			20mt		0	70	2	G03174	M126
47	TRW7451#1	3,1		MON	2.0%	80	TTL	4	10	0 0	5.0	20n%			20mt		0	70	2	G03174a	M157
48	TRW7451#2	3,1		MON	2 0%	80	TTL	4	10	0.0	5.0	20n%			20mt		0	70	2	G03174a	M126
49	TRW7453#1	3,1		MON	2 0%	80	TTL	9	10	0.0	5 0	22n			14m	1 0	0	70	1	G03175	M126
50	TRW7453#2	3,1		MON	2.0%	80	TTL	9	10	0 0	5.0	22n			14m	1 0	0	70	1	G03175	M157
51	TRW7454#1	3,1		MON	2 0%	80	TTL	8	10	0.0	5.0	22n			14m	1.0	0	70	1	G03175	M126
52	TRW7454#2	3,1		MON	2.0%	80	TTL	8	10	0 0	5 0	22n			14m	1.0	0	70	1	G03175	M157
53	US54H50A	3,1		MON	2 0%	80*	TTL	6†	10	0 0	5.0	11nΔ	10n	10n		1.0 Δ	-55	125	2	G03214	M105b
54	US54H50J	3,1		MON	2.0%	80*	TTL	6†	10	0.0	5 0	11nΔ	10n	10n		1.0 Δ	-55	125	2	G03214	TO88
55	US54H51A	3,1		MON	2 0%	80*	TTL	4	10	0.0	5.0	11nΔ	10n	10n		1 0 Δ	-55	125	2	G03214a	M105b
56	US54H51J	3,1		MON	2 0%	80*	TTL	4	10	0.0	5 0	11nΔ	10n	10n		1.0 Δ	-55	125	2	G03214a	TO88
57	US54H53A	3,1		MON	2 0%	.80*	TTL	11†	10	0.0	5 0	11nΔ	10n	10n		1 0 Δ	-55	125	1	G03215	M105b
58	US54H53J	3,1		MON	2.0%	80*	TTL	11†	10	0.0	5.0	11nΔ	10n	10n		1.0 Δ	-55	125	1	G03215	TO88
59	US54H54A	3,1		MON	2 0%	80*	TTL	9	10	0.0	5 0	11nΔ	10n	10n		1.0 Δ	-55	125	1	G03215a	M105b
60	US54H54J	3,1		MON	2.0%	.80*	TTL	9	10	0 0	5 0	11nΔ	10n	10n		1.0 Δ	-55	125	1	G03215a	TO88
61	US54H55A	3,1		MON	2.0%	80*	TTL	10†	10	0 0	5 0	11nΔ	10n	10n		1.0 Δ	-55	125	1	G03214b	M105b
62	US54H55J	3,1		MON	2 0%	80*	TTL	10†	10	0 0	5.0	11nΔ	10n	10n		1 0 Δ	-55	125	1	G03214b	TO88
63	US74H50A	3,1		MON	2 0%	80*	TTL	6†	10	0 0	5 0	11nΔ	10n	10n		1 0 Δ	0	70	2	G03214	M105b
64	US74H50J	3,1		MON	2 0%	.80*	TTL	6†	10	0 0	5 0	11nΔ	10n	10n		1 0 Δ	0	70	2	G03214	TO88
65	US74H51A	3,1		MON	2 0%	.80*	TTL	4	10	0 0	5 0	11nΔ	10n	10n		1.0 Δ	0	70	2	G03214a	M105b
66	US74H51J	3,1		MON	2.0%	80*	TTL	4	10	0.0	5 0	11nΔ	10n	10n		1.0 Δ	0	70	2	G03214a	TO88
67	US74H53A	3,1		MON	2 0%	80*	TTL	11†	10	0 0	5 0	11nΔ	10n	10n		1 0 Δ	0	70	1	G03215	M105b
68	US74H53J	3,1		MON	2 0%	80*	TTL	11†	10	0 0	5 0	11nΔ	10n	10n		1 0 Δ	0	70	1	G03215	TO88
69	US74H54A	3,1		MON	2 0%	.80*	TTL	9	10	0.0	5.0	11nΔ	10n	10n		1.0 Δ	0	70	1	G03215a	M105b
70	US74H54J	3,1		MON	2 0%	80*	TTL	9	10	0.0	5 0	11nΔ	10n	10n		1.0 Δ	0	70	1	G03215a	TO88
71	US74H55A	3,1		MON	2 0%	80*	TTL	10†	10	0.0	5 0	11nΔ	10n	10n		1 0 Δ	0	70	1	G03214b	M105b
72	US74H55J	3,1		MON	2.0%	80*	TTL	10†	10	0.0	5 0	11nΔ	10n	10n		1 0 Δ	0	70	1	G03214b	TO88
73	US5450A	3,1		MON	2 0%	80*	TTL	5Δ	10	0 0	5 0	10n	18n	8 On			-55	125	2	G03243	M105b
74	US5450J	3,1		MON	2 0%	80*	TTL	5Δ	10	0 0	5.0	10n	18n	8 On			-55	125	2	G03243	TO88
75	US5451A	3,1		MON	2 0%	80*	TTL	4	10	0.0	5 0	10n	18n	8 On			-55	125	2	G03243a	M105b
76	US5451J	3,1		MON	2 0%	.80*	TTL	4	10	0.0	5 0	10n	18n	8 On			-55	125	2	G03243a	TO88
77	US5453A	3,1		MON	2 0%	80*	TTL	9Δ	10	0.0	5 0	10n	18n	8 On			-55	125	1	G03243b	M105b
78	US5453J	3,1		MON	2 0%	.80*	TTL	9Δ	10	0 0	5.0	10n	18n	8.On			-55	125	1	G03243b	TO88
79	US5454A	3,1		MON	2 0%	.80*	TTL	8	10	0 0	5.0	10n	18n	8 On			-55	125	1	G03243c	M105b
80	US5454J	3,1		MON	2.0%	.80*	TTL	8	10	0.0	5 0	10n	18n	8 On			-55	125	1	G03243c	TO88
81	US5459A	3,1		MON	2 0%	80*	TTL	5	10	0 0	5 0	10n	18n	8.On			-55	125	2	G03243d	M105b
82	US5459J	3,1		MON	2.0%	80*	TTL	5	10	0 0	5 0	10n	18n	8 On			-55	125	2	G03243d	TO88
83	US7450A	3,1		MON	2.0%	.80*	TTL	5Δ	10	0 0	5.0	10n	18n	8 On			0	70	2	G03243	M105b
84	US7450J	3,1		MON	2 0%	.80*	TTL	5Δ	10	0 0	5.0	10n	18n	8.On			0	70	2	G03243	TO88
85	US7451A	3,1		MON	2 0%	80*	TTL	4	10	0 0	5.0	10n	18n	8 On			0	70	2	G03243a	M105b
86	US7451J	3,1		MON	2 0%	.80*	TTL	4	10	0 0	5 0	10n	18n	8.On			0	70	2	G03243a	TO88
87	US7453A	3,1		MON	2.0%	80*	TTL	9Δ	10	0 0	5.0	10n	18n	8 On			0	70	1	G03243b	M105b
88	US7453J	3,1		MON	2 0%	80*	TTL	9Δ	10	0.0	5 0	10n	18n	8.On			0	70	1	G03243b	TO88
89	US7454A	3,1		MON	2.0%	.80*	TTL	8	10	0 0	5.0	10n	18n	8.On			0	70	1	G03243c	M105b
90	US7454J	3,1		MON	2.0%	.80*	TTL	8	10	0.0	5.0	10n	18n	8.On			0	70	1	G03243c	TO88
91	US7459A	3,1		MON	2.0%	80*	TTL	5	10	0.0	5.0	10n	18n	8 On			0	70	2	G03243d	M105b
92	US7459J	3,1		MON	2.0%	.80*	TTL	5	10	0.0	5 0	10n	18n	8.On			0	70	2	G03243d	TO88
93	N8848A	3,1		MON	2.6%	.40*†	TTL	11Δ	20	0	5	13n%Δ		50n	49mΔ	600m	0	75	1	G03199	TO116
94	N8848F	3,1		MON	2.6%	.40†*	TTL	4	20	0 0	5 0	13n%Δ		50n	49mΔ	600m	0	75	1	G03199	M157
95	N8848J	3,1		MON	2.6%	.40*†	TTL	11Δ	20	0	5	13n%Δ		50n	49mΔ	600m	0	75	1	G03199	TO88
96	S8848A	3,1		MON	2.6%	.40*†	TTL	11Δ	20	0	5	13n%Δ		50n	49mΔ	600m	-55	125	1	G03199	TO116
97	S8848F	3,1		MON	2.6%	40†*	TTL	11Δ	20	0.0	5.0	13n%Δ		50n	49mΔ	600m	-55	125	1	G03199	M157
98	S8848J	3,1		MON	2.6%	40*†	TTL	11Δ	20	0	5	13n%Δ		50n	49mΔ	600m	-55	125	1	G03199	TO88
99	TG290F	3,1		MON	3.0%	45*†	TTL	5	15	0.0	7.0	12n			80mt		-55	125	2	G03209b	FP21c
100	TG290J	3,1		MON	3 0%	45*†	TTL	5	15	0 0	7 0	12n			80mt		-55	125	2	G03209b	TO116
101	TG292F	3,1		MON	3.0%	45*†	TTL	5	15	0.0	7 0	12n			80mt		0	75	2	G03209b	FP21c
102	TG292J	3,1		MON	3 0%	45*†	TTL	5	15	0 0	7.0	12n			80mt		0	75	2	G03209b	TO116
103	MC501L	3,1		MON	3 3	.26	TTL	10Δ	15	0	8	12n	8.0n	6 0n	30mt	900m	-55	125	1	G03222	TO116
104	MC504L	3,1		MON	3.3	.26	TTL	10Δ	15	0	8	12n	8 0n	6.0n	25mt	900m	-55	125	1	G03223	TO116
105	MC505L	3,1		MON	3.3	.26	TTL	9Δ	15	0	8	12n	8 0n	6.0n	20mt	900m	-55	125	1	G03224	TO116
106	MC520L	3,1		MON	3 3	.26	TTL	5†	15	0.0	8.0	12n	8.0n	6.0n	40mt	900m	-55	125	2	G03225	TO116
107	MC551L	3,1		MON	3.3	.26	TTL	10Δ	7	0	8	12n	8.0n	6.0n	30mt		-55	125	1	G03222	TO116
108	MC554L	3,1		MON	3.3	26	TTL	10Δ	7	0	8	12n	8.0n	6.0n	25mt	900m	-55	125	1	G03223	TO116
109	MC555L	3,1		MON	3 3	26	TTL	9Δ	7	0	8	12n	8.0n	6.0n	20mt	900m	-55	125	1	G03224	TO116
110	MC570L	3,1		MON	3 3	26	TTL	5†	7	0.0	8 0	12n	8.0n	6.0n	40mt	900m	-55	125	2	G03225	TO116

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	2 TYPE	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1▼	TG291F	3,1		MON	3.3	.26	TTL	5		0 0	5.0	15nΔ	5.0n	8.0n	38mt	400mΔ	-55	125	2	G03209b	FP21c
2▼	TG291J	3,1		MON	3.3	.26	TTL	5		0.0	5.0	15nΔ	5.0n	8.0n	38mt	400mΔ	-55	125	2	G03209b	TO116
3▼	TG293F	3,1		MON	3.3	.26	TTL	5		0.0	5.0	15nΔ	5.0n	8 0n	38mt	550mΔ	0	75	2	G03209b	FP21c
4▼	TG293J	3,1		MON	3.3	.26	TTL	5		0.0	5.0	15nΔ	5.0n	8.0n	38mt	550mΔ	0	75	2	G03209b	TO116
5	MC2100L	3,1		MON	3.5	.25†	TTL	9Δ	11	0	8	6.0n	4 5n	3 0n	27mt	1.0	-55	125	1	G03226	TO116
6	MC2104L	3,1		MON	3.5	.25†	TTL	10Δ	11	0	8	7.0n	4.5n	3 0n	36mt	1.0	-55	125	1	G03221	TO116
7	MC2113L	3,1		MON	3.5	.25†	TTL	5†	11	0.0	8.0	8.0n	4.5n	3.0n	58mt	1.0	-55	125	2	G03227	TO116
8	MC2150L	3,1		MON	3.5	.25†	TTL	9Δ	6	0	8	6 0n	4.5n	3.0n	27mt	1.0	-55	125	1	G03226	TO116
9	MC2154L	3,1		MON	3.5	.25†	TTL	10Δ	6	0	8	7.0n	4.5n	3.0n	36mt	1.0	-55	125	1	G03221	TO116
10	MC2163L	3,1		MON	3.5	.25†	TTL	5†	6	0.0	8 0	8.0n	4 5n	3.0n	58mt	1.0	-55	125	2	G03227	TO116
11	N1010A	3,4	65M		-.85	-1.8	ECT	2	25	5 2	0 0	4.5n			115m	400m	0	75			TO116
12	N1011A	3,4	65M		-.85	-1.8	ECT	2	25	5 2	0.0	4.5n			95m	400m	0	75			TO116
13	N1004A	3,4	75M		- 85	-1.8	ECT	4	25	5 2	0.0	4.0n			95m	400m	0	75			TO116
14	N1005A	3,4	75M		-.85	-1.8	ECT	4	25	5 2	0 0	4.0n			65m	400m	0	75			TO116
15	N1006A	3,4	75M		- 85	-1.8	ECT	4	25	5.2	0.0	4.0n			45m	400m	0	75			TO116
16	N1024A	3,4	75M		-.85	-1.8	ECT	2	25	5.2	0.0	4.0n			95m	400m	0	75			TO116
17	HAG20019	3,4S		MOH	2.0%	.45*		5		0	8				800m		0	70	1	G03210	TO100
18	HBG20019	3,4S		MOH	2.0%	.45*		5		0	8				800m		0	70	1	G03210	FP26
19	HAG20011	3,4S		MOH	2.2%	.45*		5		0	8				800m		-55	125	1	G03210	TO100
20	HBG20011	3,4S		MOH	2 2%	.45*		5		0	8				800m		-55	125	1	G03210	FP26
21	HAG20021	3,4S		MOH			DTL	5		0	8				800m		-55	125	1	G03210	TO100
22	HAG20029	3,4S		MOH			DTL	5		0	8				800m		0	70	1	G03210	TO100
23	HBG20021	3,4S		MOH			DTL	5		0	8				800m		-55	125	1	G03210	FP26
24	HBG20029	3,4S		MOH			DTL	5		0	8				800m		0	70	1	G03210	FP26
25	MC981G	3E		MON	.75%	.45*	RTL	2	30	0	4	57n			32mt		-55	125	2	G03184	TO99
26	MC998F	3E		MON	.75%	45*	RTL	2	30	0	4	57n			32mt		-55	125	2	G03185	TO86
27	MC881G	3E		MON	.80%	46*	RTL	2	30	0	4	57n			46mt		0	75	2	G03184	TO99
28	MC898F	3E		MON	.80%	46*	RTL	2	30	0	4	57n			46mt		0	75	2	G03185	TO86
29	MC898P	3E		MON	80%	46*	RTL	2	30	0.0	3.6	57n%			46mt		0	75	2	G03185a	TO116
30	MC988F	3E		MON	.82%	.57*	RTL	3	25	0 0	3.0	24n%			128mt		-55	125	2	G03186	TO86
31	MC888F	3E		MON	.84%	55*	RTL	3	25	0 0	3.0	24n%			128mt		0	100	2	G03186	TO86
32	MC798P	3E		MON	.85%	.46*	RTL	2	30	0.0	3.6	57n%			46mt		15	55	2	G03185a	TO116
33	MC888P	3E		MON	.85%	46*	RTL	3	25	0.0	3.6	24n%			145mt		0	75	2	G03186a	TO116
34	MC788P	3E		MON	.88%	.50*	RTL	3	80	0 0	3 6	24n%			145mt		15	55	2	G03186a	TO116
35	MC788F	3E		MON	.90	10	RTL	3	80	0 0	3 6	24n%			145mt		15	55	2	G03186	TO86
36	MC798F	3E		MON	90	.10	RTL	2	30	0 0	3 6	57n%			46mt		15	55	2	G03185a	TO86
37	MC781G	3E		MON	1.1	.10	RTL	2	30	0	4	57n			46mt		15	55	2	G03184	TO99
38	TG50F	3FM	20M	MON	3.0	.30	TTL	9Δ	15	0.0	5.0	18n	5 0n	5.0n	60m	1.0 Δ	0	75	1	G03107e	fp21c
39	TG50J	3FM	20M	MON	3.0	.30	TTL	.9Δ	15	0.0	5 0	18n	5.0n	5.0n	60m	1 0 Δ	0	75	1	G03107e	TO116
40	TG51F	3FM	20M	MON	3.0	.30	TTL	9Δ	7	0 0	5 0	18n	5 0n	5.0n	60m	1.0 Δ	0	75	1	G03107e	FP21c
41	TG51J	3FM	20M	MON	3.0	.30	TTL	9Δ	7	0 0	5.0	18n	5.0n	5.0n	60m	1.0 Δ	0	75	1	G03107e	TO116
42	TG52F	3FM	20M	MON	3.0	.30	TTL	9Δ	15	0 0	5.0	18n	5.0n	5 0n	60m	1.0 Δ	-55	125	1	G03107e	FP21c
43	TG52J	3FM	20M	MON	3.0	30	TTL	9Δ	15	0.0	5 0	18n	5.0n	5.0n	60m	1.0 Δ	-55	125	1	G03107e	TO116
44	TG53F	3FM	20M	MON	3.0	30	TTL	9Δ	7	0.0	5.0	18n	5.0n	5.0n	60m	1.0 Δ	0	75	1	G03107e	FP21c
45	TG53J	3FM	20M	MON	3.0	.30	TTL	9Δ	7	0 0	5.0	18n	5.0n	5 0n	60m	1 0 Δ	0	75	1	G03107e	TO116
46	TG100F	3FM	20M	MON	3.0	.30	TTL	10Δ	15	0 0	5 0	18n	5.0n	5.0n	45m	1 0 Δ	-55	125	1	G03107d	FP21c
47	TG100J	3FM	20M	MON	3 0	.30	TTL	10Δ	15	0.0	5.0	18n	5 0n	5 0n	45m	1.0 Δ	-55	125	1	G03107d	TO116
48	TG101F	3FM	20M	MON	3.0	.30	TTL	10Δ	7	0.0	5.0	18n	5.0n	5.0n	45m	1.0 Δ	-55	125	1	G03107d	FP21c
49	TG101J	3FM	20M	MON	3 0	.30	TTL	10Δ	7	0 0	5.0	18n	5 0n	5.0n	45m	1.0 Δ	-55	125	1	G03107d	TO116
50	TG102F	3FM	20M	MON	3.0	30	TTL	10Δ	15	0.0	5.0	18n	5.0n	5.0n	45m	1 0 Δ	0	75	1	G03107d	FP21c
51	TG102J	3FM	20M	MON	3.0	.30	TTL	10Δ	15	0.0	5.0	18n	5.0n	5.0n	45m	1.0 Δ	0	75	1	G03107d	TO116
52	TG103F	3FM	20M	MON	3.0	.30	TTL	10Δ	7	0 0	5 0	18n	5.0n	5.0n	45m	1.0 Δ	0	75	1	G03107d	FP21c
53	TG103J	3FM	20M	MON	3.0	.30	TTL	10Δ	7	0.0	5.0	18n	5 0n	5.0n	45m	1.0 Δ	0	75	1	G03107d	TO116
54	TG300F	3FM	20M	MON	3.0	.30	TTL	10Δ	15	0.0	5.0	18n	5.0n	5 0n	45m	1.0 Δ	-55	125	1	G03107d	FP21c
55	TG300J	3FM	20M	MON	3.0	.30	TTL	10Δ	15	0.0	5.0	18n	5 0n	5.0n	45m	1.0 Δ	-55	125	1	G03107d	TO116
56	TG301F	3FM	20M	MON	3.0	.30	TTL	10Δ	7	0 0	5.0	18n	5.0n	5.0n	45m	1.0 Δ	-55	125	1	G03107d	FP21c
57	TG301J	3FM	20M	MON	3 0	.30	TTL	10Δ	7	0 0	5 0	18n	5.0n	5.0n	45m	1.0 Δ	0	75	1	G03107d	TO116
58	TG302F	3FM	20M	MON	3.0	.30	TTL	10Δ	15	0.0	5 0	18n	5 0n	5 0n	45m	1.0 Δ	0	75	1	G03107d	FP21c
59	TG302J	3FM	20M	MON	3.0	.30	TTL	10Δ	15	0 0	5.0	18n	5 0n	5.0n	45m	1.0 Δ	0	75	1	G03107d	TO116
60	TG303F	3FM	20M	MON	3.0	.30	TTL	10Δ	7	0.0	5.0	10n	5.0n	5.0n	45m	1.0 Δ	0	75	1	G03107d	FP21c
61	TG303J	3FM	20M	MON	3 0	.30	TTL	10Δ	7	0 0	5 0	10n	5.0n	5.0n	45m	1 0 Δ	0	75	1	G03107d	TO116
62	CM4000AD	3G		MOS	10	0 0†		3		0.0	10	45nΔ			200m	4.5 Δ	-55	125	2	G03281	M105av
63	CM4000AE	3G		MOS	10	0 0†		3		0.0	10	65nΔ			200m	4 5 Δ	-40	85	2	G03281	M105av
64	CM4001AD	3G		MOS	10	0 0†		2		0 0	10	45nΔ			200m	4.5 Δ	-55	125	4	G03282	M105av
65	CM4001AE	3G		MOS	10	0 0†		2		0 0	10	65nΔ			200m	4 5 Δ	-40	85	4	G03282	M105av
66	CM4002AD	3G		MOS	10	0 0†		4		0 0	10	45nΔ			200m	4.5 Δ	-55	125	2	G03283	M105av
67	CM4002AE	3G		MOS	10	0 0†		4		0.0	10	65nΔ			200m	4 5 Δ	-40	85	2	G03283	M105av
68	CM4025AD	3G		MOS	10	0.0†		3		0 0	10	45nΔ			200m	4.5 Δ	-55	125	3	G03266	M105av
69	CM4025AE	3G		MOS	10	0 0†		3		0 0	10	65nΔ			200m	4.5 Δ	-40	85	3	G03266	M105av
70	HD1A4000-9	3G	10M	MOS	15	0.0	CMS	3		0.0	15	130nΔ			200m		-40	85	2	G03273	TO116
71	HD1A4000-2	3G	10M	MOS	18	0 0	CMS	3		0 0	18	75nΔ			200m		-55	125	2	G03273	TO116
72	HEP581-RT	3G					RTL	4	4	0 0	4.0	60n			8 0m				1		TO99
73	SN17911L	3G		MON	Δ		RTL	4	7	0	8				4mt		-55	125	1	G03154	CN13
74	4111	3M	500k	PCB	0.0	-3 0	DTL	6	9	15	10	400n	800n	100n	680m	500m	-20	55	2	G0338	CB30
75	4113	3M	1 0M	PCB	0 0	-3.0	DTL	2	9	15	10		130n	70n	1 3	500m	-20	55	6	G0339	CB30
76	B113	3M	10M	PCB	0.0	-3.0	DTL	2	20	15	10		60n	40n	652m	800m	-20	65	4	G0345	CB31
77	B115	3M	10M	PCB	0.0	-3.0	DTL	3	20	15	10		60n	40n	635m	800m	-20	65	3	G0346	CB31
78	B117	3M	10M	PCB	0.0	-3.0	DTL	6	16	15	10		60n	40n	378m	800m	-20	65	2	G0338	CB31
79	B124	3M	10M		0 0	-3.0	DTL	3		15	10				40m	1.0	-20	65	3	G03139	CB31
80#	ZSS51A	3M		MON	.20	4.0	DTL	5Δ	8	0 0	5 0	9 0n			19m	1.0	-55	125	1		CN2
81#	ZSS51B	3M		MON	.20	4.0	DTL	5Δ	8	0.0	5.0	9.0n			19m	1.0	-55	125	1		CN2
82#	ZSS53A	3M		MON	20	4 0	DTL	2	8	0.0	5.0	9.0n			19m	1.0	-55	125	2	G03121	CN2
83#	ZSS53B	3M		MON	.20	4.0	DTL	2	8	0.0	5.0	9.0n			19m	1.0	-55	125	2	G03121a	CN2
84#	ZSS55A	3M		MON	.20	4.0	DTL	5	8	0.0	5.0	9.0n			19m	1.0	-55	125	1	G03121d	CN2
85#	ZSS55B	3M		MON	.20	4.0	DTL	5	8	0.0	5.0	9.0n			19m	1.0	-55	125	1	G03121c	CN2
86#	ZSS56B	3M		MON	.20	4.0	DTL	4	8	0.0	5.0	9.0n			19m	1.0	-55	125	1	G03126	CN2
87#	ZSS57B	3M		MON	.20	4.0	DTL	4	8	0 0	5.0	9.0n			19m	1.0	-55	125	1	G03124	CN2
88#	ZSS81A	3M		MON	20	4.0	DTL		8	0.0	5.0	9.0n			19m	1.0	0	70		G03121b	CN2
89#	ZSS81B	3M		MON	20	4 0	DTL		8	0.0	5.0	9.0n			19m	1.0	0	70		G03121c	CN2
90#	ZSS83A	3M		MON	.20	4 0	DTL		8	0.0	5.0	9.0n			19m	1.0	0	70		G03121	CN2
91#	ZSS83B	3M		MON	.20	4 0	DTL		8	0 0	5.0	9.0n			19m	1.0	0	70		G03121a	CN2
92#	ZSS85A	3M		MON	.20	4.0	DTL		8	0.0	5 0	9 0n			19m	1.0	0	70		G03121d	CN2
93#	ZSS85B	3M		MON	.20	4.0	DTL		8	0.0	5.0	9.0n			19m	1.0	0	70		G03121e	CN2
94#	ZSS86B	3M		MON	.20	4.0	DTL		8	0.0	5.0	9.0n			19m	1 0	0	70		G03126	CN2
95#	ZSS87B	3M		MON	20	4.0	DTL		8	0.0	5.0	9.0n			19m	1 0	0	70		G03122	CN2
96#	ZSS111A	3M		MON	.20	4.0	DTL	5Δ	8	0.0	5 0	15n			19m	1.0	-55	125	1	G03121b	CN2
97#	ZSS111B	3M		MON	.20	4.0	DTL	5Δ	8	0.0	5 0	15n			19m	1.0	-55	125	1	G03121c	CN2
98#	ZSS113A	3M		MON	20	4 0	DTL	2	8	0.0	5 0	15n			19m	1.0	-55	125	2	G03121	CN2
99#	ZSS113B	3M		MON	.20	4.0	DTL	2	8	0 0	5 0	15n			19m	1.0	-55	125	2	G03121a	CN2
100#	ZSS115A	3M		MON	20	4 0	DTL	5	8	0 0	5 0	15n			19m	1.0	-55	125	1	G03121d	CN2
101#	ZSS115B	3M		MON	20	4 0	DTL	5	8	0.0	5.0	15n			19m	1.0	-55	125	1	G03121e	CN2
102#	ZSS116B	3M		MON	.20	4 0	DTL	5	8	0.0	5 0	15n			19m	1.0	-55	125	1	G03126	CN2
103#	ZSS117B	3M		MON	20	4 0	DTL	5	8	0.0	5.0	15n			19m	1 0	-55	125	1	G03122	CN2
104#	ZSS131A	3M		MON	.20	4.0	DTL	5Δ	8	0.0	5 0	15n			19m	1.0	0	70	1	G03121b	CN2
105#	ZSS131B	3M		MON	.20	4.0	DTL	5Δ	8	0.0	5 0	15n			19m	1.0	0	70	1	G03121c	CN2
106#	ZSS133A	3M		MON	20	4.0	DTL	2	8	0.0	5 0	15n			19m	1.0	0	70	2	G03121	CN2
107#	ZSS133B	3M		MON	.20	4 0	DTL	2	8	0.0	5.0	15n			19m	1 0	0	70	2	G03121a	CN2
108#	ZSS135A	3M		MON	20	4.0	DTL	5	8	0.0	5 0	15n			19m	1.0	0	70	1	G03121d	CN2
109#	ZSS135B	3M		MON	20	4.0	DTL	5	8	0.0	5 0	15n			19m	1.0	0	70	1	G03121e	CN2
110#	ZSS136B	3M		MON	20	4.0	DTL	4	8	0.0	5 0	15n			19m	1.0	0	70	1	G03126	CN2

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	2 TYPE	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1#	ZSS137B	3M		MON	20	4.0	DTL	4	8	0 0	5.0	15n			19m	1 0	0	70	1	G03122	CN2
2#	ZST51A	3M		MON	20	4 0	DTL	5	25	0.0	5.0	9 0n			19m	1 0	-55	125	1		CN2
3#	ZST52A	3M		MON	.20	4 0	DTL	2	25	0.0	5.0	9.0n			19m	1.0	-55	125	2		CN2
4#	ZST52B	3M		MON	.20	4 0	DTL	2	25	0.0	5.0	9.0n			19m	1.0	-55	125	2		CN2
5#	ZST53A	3M		MON	.20	4.0	DTL	2	25	0 0	5.0	9.0n			19m	1.0	-55	125	2		CN2
6#	ZST53B	3M		MON	.20	4.0	DTL	2	25	0.0	5.0	9.0n			19m	1.0	-55	125	2		CN2
7#	ZST54A	3M		MON	20	4 0	DTL	5Δ	25	0.0	5.0	9 0n			19m	1.0	-55	125	1		CN2
8#	ZST81A	3M		MON	.20	4 0	DTL		25	0.0	5.0	9.0n			19m	1 0	0	70			CN2
9#	ZST82A	3M		MON	.20	4.0	DTL		25	0.0	5.0	9.0n			19m	1.0	0	70			CN2
10#	ZST82B	3M		MON	20	4.0	DTL		25	0.0	5 0	9 0n			19m	1 0	0	70			CN2
11#	ZST83A	3M		MON	.20	4.0	DTL		25	0.0	5.0	9.0n			19m	1.0	0	70			CN2
12#	ZST83B	3M		MON	20	4 0	DTL		25	0 0	5.0	9 0n			19m	1.0	0	70			CN2
13#	ZST84A	3M		MON	.20	4 0	DTL		25	0 0	5.0	9.0n			19m	1.0	0	70			CN2
14#	ZST111A	3M		MON	.20	4 0	DTL	5	8	0.0	5.0	15n			19m	1.0	-55	125	1		CN2
15#	ZST113A	3M		MON	.20	4 0	DTL	5	8	0.0	5.0	15n			19m	1 0	-55	125	2		CN2
16#	ZST113B	3M		MON	20	4 0	DTL	5	8	0.0	5 0	15n			19m	1 0	-55	125	2		CN2
17#	ZST114A	3M		MON	.20	4 0	DTL	5	8	0 0	5.0	15n			19m	1 0	-55	125	1		CN2
18#	ZST131A	3M		MON	.20	4.0	DTL	5	8	0.0	5.0	15n			19m	1.0	0	70	1		CN2
19#	ZST133A	3M		MON	.20	4 0	DTL	2	8	0.0	5.0	15n			19m	1.0	0	70	2		CN2
20#	ZST133B	3M		MON	.20	4.0	DTL	2	8	0.0	5.0	15n			19m	1.0	0	70	2		CN2
21#	ZST134A	3M		MON	20	4 0	DTL	5Δ	8	0.0	5.0	15n			19m	1.0	0	70	1		CN2
22#	FCH101	3M		MON	2 3%	.80*	DTL	10Δ	8	0	6	31n	70n	85n	7 0m	1.2 Δ	0	75	1	G03180	TO116
23#	FCH111	3M		MON	2.3%	.80*	DTL	10Δ	8	0	6	31n	70n	85n	11m	1.2 Δ	0	75	1	G03180a	TO116
24#	FCH121	3M		MON	2.3%	.80*	DTL	5Δ	8	0	6	31n	70n	85n	14m	1.2 Δ	0	75	2	G03180b	TO116
25#	FCH131	3M		MON	2 3%	.80*	DTL	5Δ	8	0	6	31n	70n	85n	22m	1 2 Δ	0	75	2	G03180c	TO116
26#	FCH141	3M		MON	2 3%	.80*	DTL	3Δ	8	0	6	31n	70n	85n	21m	1.2 Δ	0	75	3	G03180d	TO116
27#	FCH151	3M		MON	2.3%	80*	DTL	3	8	0	6	31n	70n	85n	21m	1.2 Δ	0	75	3	G03180f	TO116
28#	FCH161	3M		MON	2.3%	.80*	DTL	3Δ	8	0	6	31n	70n	85n	33m	1.2 Δ	0	75	3	G03180e	TO116
29#	FCH171	3M		MON	2.3%	80*	DTL	3	8	0	6	31n	70n	85n	33m	1.2 Δ	0	75	3	G03180g	TO116
30#	FCH181	3M		MON	2.3%	80*	DTL	2	8	0	6	31n	70n	85n	28m	1.2 Δ	0	75	4	G03180h	TO116
31#	FCH191	3M		MON	2.3%	80*	DTL	2	8	0	6	31n	70n	85n	44m	1 2 Δ	0	75	4	G03180j	TO116
32#	FCH221	3M		MON	2 3%	80*	DTL	3	16	0	6	93n	105n	80n	22m	1.2 Δ	0	75	2	G03181	TO116
33	B171	3M	10M	PCB	-3.0	0 0	DTL	12	16	15	10		60n	40n	468m	800m	-20	65	1	G0337	CB31
34	MC309F	3M	40M	MON	-.75	-1.6	ECT	2	25	5 2	0	6 0n	9 0n	14n	68m	400m	-55	125	2	G03151	TO91
35	MC309G	3M	40M	MON	-.75	-1.6	ECT	2	25	5.2	0	6.0n	9.0n	14n	68m	400m	-55	125	2	G03151	CN9
36	MC310F	3M	40M	MON	-.75	-1.6	ECT	2	25	5 2	0	6 0n	9.0n	14n	68m	400m	-55	125	2	G0385	TO91
37	MC310G	3M	40M	MON	-.75	-1 6	ECT	2	25	5 2	0	6.0n	9 0n	14n	68m	400m	-55	125	2	G0385	CN9
38	MC311F	3M	40M	MON	-.75	-1 6	ECT	2	25	5 2	0	6.0n	9.0n	14n	53m	400m	-55	125	2	G0386	TO91
39	MC311G	3M	40M	MON	-.75	-1 6	ECT	2	25	5 2	0	6 0n	9 0n	14n	53m	400m	-55	125	2	G0386	CN9
40	MC312F	3M	40M	MON	-.75	-1 6	ECT	3	25	5 2	0 0	6 5n	12n	11n	68m	400m	-55	125	2	G0384	TO86
41	MC312G	3M	40M	MON	-.75	-1 6	ECT	3	25	5 2	0 0	6.5n	12n	11n	68m	400m	-55	125	2	G0384	CN42
42	MC369F	3M	80M	MON	-.75	-1.6	ECT	4	25	5 2	0	3 0n	4.0n	4.0n	250m		0	75	2		TO86
43	MC369G	3M	80M	MON	-.75	-1.6	ECT	2	25	5.2	0	3.0n	4.0n	4.0n	250m		0	75	2		CN9
44	4110	3M	500k	PCB	-3.0	0 0	RCT	6	9	15	10	400n	100n	500n	648m	500m	-20	55	2	G0338	CB30
45	9903HC	3M		MON			RTL	3	16	0 0	3.6	15n			20m	250m	0	70	1	G0382	TO99
46	9907HC	3M		MON			RTL	4	16	0 0	3 6	15n			20m	250m	0	70	1	G0380	TO99
47	9910HC	3M		MON			RTL	2	4	0 0	3.6	15n			40m	250m	0	70	2	G0359	TO99
48#	9914-1-5B	3M		MON			RTL	2	16	0 0	3.6					300m	-55	125	2	G03153	TO99
49	9914EC	3M		MON			RTL	2	16	0.0	3.6	15n				300m	15	55	2	G03153	CN34
50	9914HC	3M		MON			RTL	2	16	0.0	3 6	15n				300m	0	70	2	G03153	TO99
51	MC910F	3M		MON	.75%	45*	RTL	2	4	0	4	27n			8.0mt		-55	125	2	G0391	TO91
52	MC910G	3M		MON	.75%	45*	RTL	2	4	0	4	27n			8.0mt		-55	125	2	G0391	TO99
53	MC928F	3M		MON	.75%	.45*	RTL	5	4	0	4	27n			6 5mt		-55	125	1	G03187	TO91
54	MC928G	3M		MON	75%	.45*	RTL	5	4	0	4	27n			6 5mt		-55	125	1	G03187	TO99
55	MC810F	3M		MON	80%	46*	RTL	2	4	0	4	27n			10mt		0	75	2	G0391	TO91
56	MC810G	3M		MON	80%	.46*	RTL	2	4	0	4	27n			10mt		0	75	2	G0391	TO99
57	MC828F	3M		MON	80%	46*	RTL	5	4	0	4	27n			7.5mt		0	75	1	G03187	TO91
58	MC828G	3M		MON	80%	46*	RTL	5	4	0	4	27n			7.5mt		0	75	1	G03187	TO99
59	MC903F	3M		MON	.82%	57*	RTL	3	5	0	4	12n			19mt		-55	125	1	G0389	TO91
60	MC903G	3M		MON	.82%	.57*	RTL	3	5	0	4	12n			19mt		-55	125	1	G0389	TO99
61	MC907F	3M		MON	.82%	.57*	RTL	4	5	0	4	12n			19mt		-55	125	1	G0390	TO91
62	MC907G	3M		MON	.82%	57*	RTL	4	5	0	4	12n			19mt		-55	125	1	G0390	TO99
63	MC914F	3M		MON	.82%	.57*	RTL	2	5	0	4	12n			38mt		-55	125	2	G0391a	TO91
64	MC914G	3M		MON	.82%	57*	RTL	2	5	0	4	12n			38mt		-55	125	2	G0391	TO99
65	MC915F	3M		MON	.82%	57*	RTL	3	5	0	4	12n			38mt		-55	125	2	G0392c	TO91
66	MC915G	3M		MON	.82%	57*	RTL	3	5	0	4	12n			38mt		-55	125	2	G0392c	TO100
67#	SP214A	3M		MON	.84	22	RTL	4	4	0 0	8 0	30n			2 0mt	320m	-55	125	1	G03195	CN6a
68#	SP218A	3M		MON	.84	22	RTL	2	30	0.0	8 0	50n			10mt	320m	-55	125	1	G0336	CN6a
69#	SP222A	3M		MON	84	.22	RTL	4	8	0 0	8 0	30n			4.0mt	320m	-55	125	2	G0359b	CN6a
70#	SP223A	3M		MON	84	22	RTL	6	4	0.0	8.0	30n			4 0mt	320m	-55	125	2	G03195b	CN23a
71#	SP264A	3M		MON	.84	22	RTL	4	4	0	8	30n			2.0m	320m	-55	125	1	G03195a	FP2
72#	SP268A	3M		MON	84	.22	RTL	2	30	0	8	50n			10m	320m	-55	125	1	G0379e	FP2
73#	SP272A	3M		MON	.84	.22	RTL	4	8	0 0	8 0	30n			4.0mt	320m	-55	125	2	G0359a	FP2
74#	SP273A	3M		MON	.84	22	RTL	6	8	0	8	30n			4 0m	320m	-55	125	2	G03195b	FP2
75	MC803F	3M		MON	.84%	55*	RTL	3	5	0	4	12n			19mt		0	100	1	G0389	TO91
76	MC803G	3M		MON	84%	.55*	RTL	3	5	0	4	12n			19mt		0	100	1	G0389	TO99
77	MC807F	3M		MON	.84%	55*	RTL	4	5	0	4	12n			19mt		0	100	1	G0390	TO91
78	MC807G	3M		MON	.84%	55*	RTL	4	5	0	4	12n			19mt		0	100	4	G0390	TO99
79	MC814F	3M		MON	84%	55*	RTL	2	5	0	4	12n			38mt		0	100	2	G0391a	TO91
80	MC814G	3M		MON	.84%	55*	RTL	2	5	0	4	12n			38mt		0	100	2	G0391	TO99
81	MC815F	3M		MON	84%	55*	RTL	3	5	0	4	12n			38mt		0	100	2	G0392c	TO91
82	MC815G	3M		MON	.84%	.55*	RTL	3	5	0	4	12n			38mt		0	100	2	G0392c	TO100
83	MC710F	3M		MON	90	10	RTL	2	4	0	4	27n			20mt		15	55	2	G0391	TO91
84	MC710G	3M		MON	90	10	RTL	2	4	0	4	27n			20mt		15	55	2	G0391	TO99
85	MC729F	3M		MON	90	.10	RTL	5	16	0	4	12n			33mt		15	55	1	G03187	TO91
86	MC729G	3M		MON	.90	10	RTL	5	16	0	4	12n			33mt		15	55	1	G03187	TO99
87#	SP314A#	3M		MON	1 0	.22	RTL	4	5	0.0	8 0	12n			15m	320m	-55	125	1	G03195	TO78
88#	SP322A☑	3M		MON	1 0	.22	RTL	4	10	0	8	12n			30m	320m	-55	125	2	G0359a	TO78
89#	SP322B	3M		MON	1.0	22	RTL	4	10	0	8	12n			30m	320m	0	70	2	G0359a	TO78
90#	SP323A	3M		MON	1 0	.22	RTL	6	10	0	8	12n			30m	320m	-55	125	2	G03195b	TO100
91#	SP364A	3M		MON	1 0	22	RTL	4	5	0	8	12n			15m	320m	-55	125	1	G03195a	FP2
92#	SP372A	3M		MON	1.0	22	RTL	4	10	0	8	12n			30m	320m	-55	125	2	G0364a	FP2
93#	SP373A	3M		MON	1.0	22	RTL	6	10	0	8	12n			30m	320m	-55	125	2	G03195b	FP2
94	MC703F	3M		MON	1 1	10	RTL	3	16	0	4	12n			28mt		15	55	1	G0389	TO91
95	MC703G	3M		MON	1 1	10	RTL	3	16	0	4	12n			28mt		15	55	1	G0389	TO99
96	MC707F	3M		MON	1.1	10	RTL	4	16	0	4	12n			30mt		15	55	1	G0390	TO91
97	MC707G	3M		MON	1 1	.10	RTL	4	16	0	4	12n			30mt		15	55	1	G0390	TO99
98	MC714F	3M		MON	1.1	.10	RTL	2	16	0	4	12n			100mt		15	55	2	G0391a	TO91
99	MC714G	3M		MON	1 1	.10	RTL	2	16	0	4	12n			100mt		15	55	2	G0391	TO99
100	MC715F	3M		MON	1 1	10	RTL	3	16	0	4	12n			110mt		15	55	2	G0392	TO91
101	MC715G	3M		MON	1 1	.10	RTL	3	16	0	4	12n			110mt		15	55	2	G0392	TO100
102	MC724F	3M		MON	1 1	10	RTL	2	16	0	4	12n			400mt		15	55	4	G03153a	TO86
103	MC725F	3M		MON	1 1	10	RTL	4	16	0	4	12n			120mt		15	55	2	G0390a	TO86
104	4112	3M	1.0M	PCB	-3.0	0 0	RTL	2	9	15	10		70n	600n	937m	500m	-20	55	6	G0339	CB30
105	4114	3M	1 0M	PCB	-3 0	0 0	RTL	4†	9	15	10		70n	600n	940m	500m	-20	55	4	G0340	CB30
106	MC929F	3M		MON	82%	.57*	TTL	5	5	0	4	12n			19mt		-55	125	1	G03187	TO91
107	MC929G	3M		MON	82%	.57*	TTL	5	5	0	4	12n			19mt		-55	125	1	G03187	TO99
108	MC829F	3M		MON	.84%	55*	TTL	5	5	0	4	12n			19mt		0	100	1	G03187	TO91
109	MC829G	3M		MON	.84%	.55*	TTL	5	5	0	4	12n			19mt		0	100	1	G03187	TO99
110	NC74L51N	3M		MON	2.0%	.70*	TTL	6†	10	0.0	5 0	90nΔ			2.5mt	1.0 Δ	0	70	2	G03175b	TO116

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	NC74L54N	3M		MON	2.0%	70*	TTL	10	10	0.0	5 0	90nΔ			4 5mt	1.0 Δ	0	70	1	G03175a	TO116
2	NC74L55N	3M		MON	2.0%	70*	TTL	8	10	0.0	5 0	90nΔ			2.5mt	1 0 Δ	0	70	1	G03175c	TO116
3	N7402A	3M			2 0%	80*	TTL	2	10	0.0	5.0	8.0n			254m%		0	70	4	G03241	M105q
4	N7402Q	3M		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22n					0	70	4	G03241	TO88
5	S5402A	3M			2.0%	.80*	TTL	2	10	0.0	5.0	8 0n			269m%		-55	125	4	G03241	M105q
6	S5402Q	3M		MON	2 0%	80*	TTL	2	10	0.0	5 0	22n					-55	125	4	G03241	TO88
7	MC911F	3MS		MON	.75%	.45*	RTL	4	7	0	4	60n			6.0mt		-55	125	1	G0358	TO91
8	MC911G	3MS		MON	.75%	.45*	RTL	4	7	0	4	60n			6.0mt		-55	125	1	G0358	TO99
9	MC811F	3MS		MON	.80%	.46*	RTL	4	7	0	4	60n			8.0mt		0	70	1	G0358	TO91
10	MC811G	3MS		MON	.80%	.46*	RTL	4	7	0	4	60n			8.0mt		0	70	1	G0358	TO99
11#	SP244A	3MS		MON	.84	.22	RTL	4	4	0.0	8.0	80n			4.0mt	320m	-55	125	1	G0383	CN6a
12#	SP294A	3MS		MON	84	.22	RTL	4	4	0	8	80n			4 0m	320m	-55	125	1	G0383a	FP2
13	MC711F	3MS		MON	.90	.10	RTL	4	7	0	4	60n			8mt		15	55	1	G0358	TO91
14	MC711G	3MS		MON	90	.10	RTL	4	7	0	4	60n			8mt		15	55	1	G0358	TO99
15#	SP344A	3MS		MON	1.0	.22	RTL	4	5	0	8	25n			30m	320m	-55	125	1	G0383	TO78
16#	SP394A	3MS		MON	1.0	.22	RTL	4	5	0	8	25n			30m	320m	-55	125	1	G0383	FP2
17	DM10102CJ	3S			-96%	-1.8t*		2		0.0	5 2	2.0n	3 3n	3.3n	100mt		-30	85	4	G03277	M200e
18	9911HC	3S		MON			RTL	4	7	0.0	3.6	15n			20m	250m	0	70	1	G0358	TO99
19	9915HC	3S		MON			RTL	3	16	0 0	3 6	15n			40m	250m	0	70	2	G0377	TO100
20	9012DM	4			1 7%	90*		2		0.0	5.0	45nΔ			70m%		-55	125	4	G04233b	TO116
21	9012FM	4			1.7%	.90*		2		0.0	5 0	45nΔ			70m%		-55	125	4	G04233b	TO86
22	9012DC	4			1.8%	85*		2		0 0	5.0	45nΔ			78m%		0	75	4	G04233b	TO116
23	6N126	4			2.0%	80*		2		0	5 5	20nΔ					-55	125	4	G04384	TO84
24	6N127	4			2.0%	.80*		4		0	5 5	20nΔ					-55	125	2	G04392b	TO84
25	SP337A	4		MON	3.5%	40t		5Δ	12t	0 0	5 0	45n			90mt	1.2	0	75	2	G04400a	M105q
26	SP377A	4		MON	3.5%	40t		3	12t	0.0	5 0	45n			135mt	1.2	0	75	3	G04400b	M105q
27	SP387A	4		MON	3.5%	40t		2	12t	0.0	5 0	45n			180mt	1.2	0	75	4	G04400c	M105q
28	MBD8	4	2.0M	PCB	5.0	0.0		3	8	0	5	25n			600m	1.0	0	70	8	G04326a	
29	MNG8	4	2.0M	PCB	5 0	0.0		5t	8	0 0	5.0	25n			155m	1.0	0	70	8	G04327	
30	MNG10	4	2.0M	PCB	5 0	0.0		3t	8	0	5	25n			195m	1.0	0	70	10	G043ah	
31	MNG12	4	2.0M	PCB	5.0	0.0		2	8	0	5	25n			230m	1.0	0	70	12	G043aj	
32	MNG2	4	5.0M	PCB	5.0	0.0		5Δ	8	0	5	25n			40m	1.0	0	70	6	G04326	CB53
33	MNG6	4	5.0M	PCB	5.0	0.0		5Δ	8	0	5	25n			100m	1.0	0	70	6	G041d	CB53
34	MNG9	4	5.0M	PCB	5 0	0.0		3	8	0	5	25n			150m	1.0	0	70	9	G043ag	CB53
35	LCE703	4	1.0M	MOH	6 0	0.0t		4		6	12	30n					-15	65	1		M45
36	LCE303	4	3.0M	MOH	6.0	0 0t		5		6	12	25n	44n	80n	25m		-40	100	1	G0480	CN27
37	LCE403	4	3.0M	MOH	6 0	0.0t		4		6	12	25n	44n	80n	25m		-40	100	1	G0481	M45
38	LCE503	4	5 0M	MOH	6.0	0.0t		4		6	12	25n					-30	80	1		M45
39#	FZH101	4		MON	7.5%	4.5*		2	10	0 0	18	350n%	490n	170n		5.0 Δ	0	70	4	G04428	M117r
40#	FZH105	4		MON	7.5%	4.5*		2	10	0.0	18	350n%	490n	170n		5.0 Δ	-25	85	4	G04428	M117r
41#	FZH111	4		MON	7.5%	4.5*		3Δ	10	0.0	18	350n%	490n	170n		5 0 Δ	0	70	4	G04428a	M117r
42#	FZH115	4		MON	7.5%	4.5*		3Δ	10	0.0	18	350n%	490n	170n		5.0 Δ	-25	85	4	G04428a	M117r
43#	FZH121	4		MON	7.5%	4.5*		5	10	0 0	18	350n%	490n	170n		5.0 Δ	0	70	2	G04429	M117r
44#	FZH125	4		MON	7 5%	4.5*		5	10	0.0	18	350n%	490n	170n		5.0 Δ	-25	85	2	G04429	M117r
45#	FZH131	4		MON	7 5%	4.5*		6Δ	10	-0.0	18	350n%	490n	170n		5.0 Δ	0	70	2	G04429a	M117r
46#	FZH135	4		MON	7.5%	4.5*		6Δ	10	0 0	18	350n%	490n	170n		5.0 Δ	-25	85	2	G04429a	M117r
47#	FZH141	4		MON	7 5%	4 5*		5	30	0 0	18						0	70	2	G04429a	M117r
48#	FZH145	4		MON	7.5%	4 5*		6Δ	30	0.0	18						-25	85	2	G04429a	M117r
49#	FZH171	4		MON	7 5%	4.5*		6Δ	10	0.0	18	350n%	490n	170n		5.0 Δ	0	70	2	G04429a	M117r
50#	FZH175	4		MON	7 5%	4.5*		6Δ	10	0.0	18	350n%	490n	170n		5 0 Δ	-25	85	2	G04429a	M117r
51#	FZH191	4	500k%	MON	7.5%	4.5*		4t	10	0.0	15	195nΔ			138m	2.8	0	70	3	G04446	
52#	FZH195	4	500k%	MON	7.5%	4.5*		4t	10	0.0	15	195nΔ			138m	2.8	-25	85	3	G04446	
53#	FZH201	4	500k%	MON	7 5%	4 5*		5t	10	0.0	15	195nΔ			276m	2.8	0	70	2	G04447	
54#	FZH205	4	500k%	MON	7.5%	4.5*		5t	10	0.0	15	195nΔ			276m	2 8	-25	85	2	G04447	
55#	FZH211	4	500k%	MON	7 5%	4.5*		3t	10	0.0	15				120m	2.8	0	70	4	G04448	
56#	FZH215	4	500k%	MON	7.5%	4.5*		3t	10	0 0	15				120m	2.8	-25	85	4	G04448	
57#	FZH231	4	500k%	MON	7.5%	4.5*		6Δ	10	0 0	15				60m	2.8	0	70	2	G04449	
58#	FZH235	4	500k%	MON	7.5%	4.5*		6Δ	10	0 0	15				60m	2.8	-25	85	2	G04449	
59#	H122D1	4		MON	8.0%	6.0*		2	25	0.0	20	400nΔ			150m%	5.0 Δ	0	75	4	G03260a	TO116
60#	H122D6	4		MON	8.0%	6.0*		2	25	0.0	20	400nΔ			150m%	5.0 Δ	-40	85	4	G03260a	TO116
61#	H124D1	4		MON	8.0%	6.0*		5Δ	25	0.0	20	400nΔ			150m%	5.0 Δ	0	75	2	G03260	TO116
62	UL52L	4		MOS	-3.5%	-9.0*		2		27	0.0	125n			40mt		0	70	4	G04375	M183a
63	UL52C	4		MOS	-9.0%	-3 5*		2		15	0 0	350n			635m		-25	75	4	G04445	FP81
64	CD4011AD	4		MOS	10	0 0t		2		0.0	10	40nΔ			1.0u%	4.5 Δ	-55	125	4	G04403	Δ001AD
65	CD4011AE	4		MOS	10	0.0t		2		0.0	10	50nΔ			10u%	4.5 Δ	-40	85	4	G04403	Δ001AB
66	CD4011AK	4		MOS	10	0.0t		2		0.0	10	40nΔ			1.0u%	4.5 Δ	-55	125	4	G04403	Δ004AF
67	CD4012AD	4		MOS	10	0.0t		4		0.0	10	75nΔ			1.0u%	4.5 Δ	-55	125	2	G04404	Δ001AD
68	CD4012AE	4		MOS	10	0 0t		4		0.0	10	100nΔ			10u%	4.5 Δ	-40	85	2	G04404	Δ001AB
69	CD4012AK	4		MOS	10	0 0t		4		0.0	10	75nΔ			1.0u%	4.5 Δ	-55	125	2	G04404	Δ004AF
70	CD4023AD	4		MOS	10	0.0t		3		0 0	10	40nΔ			1.0u%	4.5 Δ	-55	125	3	G04397a	Δ001AD
71	CD4023AE	4		MOS	10	0.0t		3		0 0	10	50nΔ			10u%	4.5 Δ	-40	85	3	G04397a	Δ001AB
72	CD4023AK	4		MOS	10	0 0t		3		0.0	10	40nΔ			1 0u%	4 5 Δ	-55	125	3	G04397a	Δ004AF
73	CM4011AD	4		MOS	10	0.0t		2		0 0	10	40nΔ			200m	4.5 Δ	-55	125	4	G04403	M105av
74	CM4011AE	4		MOS	10	0 0t		2		0.0	10	50nΔ			200m	4.5 Δ	-40	85	4	G04403	M105av
75	CM4012AD	4		MOS	10	0.0t		4		0.0	10	75nΔ			200m	4.5 Δ	-55	125	2	G04404	M105av
76	CM4012AE	4		MOS	10	0 0t		4		0.0	10	100n			200m	4.5 Δ	-40	85	2	G04404	M105av
77	CM4023AD	4		MOS	10	0 0t		3		0.0	10	40nΔ			200m	4.5 Δ	-55	125	3	G04397a	M105av
78	CM4023AE	4		MOS	10	0.0t		3		0.0	10	50nΔ			200m	4.5 Δ	-40	85	3	G04397a	M105av
79	SCL4011AD	4		MOS	10	0.0		2	50	0 0	10	50n	40n	40n	1.0u	4.5	-55	125	4		Δ001AD
80	SCL4011AE	4		MOS	10	0.0		2	50	0 0	10	50n	40n	40n	1 0u	4.5	-40	85	4		Δ001AB
81	SCL4011AF	4		MOS	10	0.0		2	50	0.0	10	50n	40n	40n	1.0u	4.5	-55	125	4		Δ004AF
82	SCL4012AD	4		MOS	10	0.0		4	50	0 0	10	50n	40n	40n	1.0u	4.5	-55	125	2		Δ001AD
83	SCL4012AE	4		MOS	10	0.0		4	50	0 0	10	50n	40n	40n	1.0u	4.5	-40	85	2		Δ001AB
84	SCL4012AF	4		MOS	10	0 0		4	50	0.0	10	50n	40n	40n	1.0u	4.5	-55	125	2		Δ004AF
85	SCL4023AD	4		MOS	10	0 0		3	50	0.0	10	50n	40n	40n	1.0u	4.5	-55	125	3		Δ001AD
86	SCL4023AE	4		MOS	10	0.0		3	50	0.0	10	50n	40n	40n	1.0u	4.5	-40	85	3		Δ001AB
87	SCL4023AF	4		MOS	10	0.0		3	50	0.0	10	50n	40n	40n	1.0u	4.5	-55	125	3		Δ004AF
88	SCL4412AD	4		MOS	10	0.0t		8Δ	50	0.0	10	100nΔ	70n	70n	200m	4.5 †	-55	125	2	G04456	Δ001AE
89	SCL4412AE	4		MOS	10	0.0t		8Δ	50	0.0	10	100nΔ	70n	70n	200m	4.5 †	-40	85	2	G04456	Δ001AC
90	SCL4412AF	4		MOS	10	0.0t		8Δ	50	0 0	10	100nΔ	70n	70n	200m	4.5 †	-55	125	2	G04456	Δ001AG
91▼	JANM38510/05001CCA	4		MON	365%	.85*	CMS	2	7	0.0	5.0	420nΔ			200m		-55	125	4	G04403	M314
92▼	JANM38510/05001ACA	4		MON	3.65%	85*	CMS	2	7	0.0	5.0	420nΔ			200m		-55	125	4	G04403	M314
93▼	JANM38510/05001ADA	4		MON	3.65%	85*	CMS	2	7	0.0	5 0	420nΔ			200m		-55	125	4	G04403	FP83
94▼	JANM38510/05001BCA	4		MON	3.65%	.85*	CMS	2	7	0.0	5 0	420nΔ			200m		-55	125	4	G04403	M314
95▼	JANM38510/05001BDA	4		MON	3 65%	.85*	CMS	2	7	0.0	5 0	420nΔ			200m		-55	125	4	G04403	FP83
96▼	JANM38510/05001CDA	4		MON	3.65%	.85*	CMS	2	7	0.0	5.0	420nΔ			200m		-55	125	4	G04403	FP83
97▼	JANM38510/05002ACA	4		MON	3 65%	.85*	CMS	4	7	0 0	5 0	975mΔ			200m		-55	125	2	G04404	M314
98▼	JANM38510/05002ADA	4		MON	3 65%	.85*	CMS	4	7	0.0	5 0	975nΔ			200m		-55	125	2	G04404	FP83
99▼	JANM38510/05002BCA	4		MON	3 65%	.85*	CMS	4	7	0.0	5 0	975mΔ			200m		-55	125	2	G04404	M314
100▼	JANM38510/05002BDA	4		MON	3 65%	.85*	CMS	4	7	0.0	5 0	975mΔ			200m		-55	125	2	G04404	FP83

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1▼	JANM38510/05002CCA	4		MON	3.65%	.85*	CMS	4	7	0 0	5.0	975nΔ			200m		-55	125	2	G04404	M314
2▼	JANM38510/05002CDA	4		MON	3.65%	.85*	CMS	4	7	0 0	5.0	975nΔ			200m		-55	125	2	G04404	FP83
3▼	JANM38510/05003ACA	4		MON	3.65%	.85*	CMS	3	7	0.0	5 0	420nΔ			200m		-55	125	3	G04397a	M314
4▼	JANM38510/05003ADA	4		MON	3 65%	.85*	CMS	3	7	0.0	5 0	420nΔ			200m		-55	125	3	G04397a	FP83
5▼	JANM38510/05003BCA	4		MON	3.65%	85*	CMS	3	7	0 0	5.0	420nΔ			200m		-55	125	3	G04397a	M314
6▼	JANM38510/05003BDA	4		MON	3.65%	.85*	CMS	3	7	0.0	5 0	420nΔ			200m		-55	125	3	G04397a	FP83
7▼	JANM38510/05003CCA	4		MON	3.65%	85*	CMS	3	7	0 0	5.0	420nΔ			200m		-55	125	3	G04397a	M314
8▼	JANM38510/05003CDA	4		MON	3.65%	.85*	CMS	3	7	0.0	5.0	420nΔ			200m		-55	125	3	G04397a	FP83
9▼	CD4068AE	4		MOS	10	0 0†	CMS	8		0.0	10	85n%			10n%		-40	85	1		Δ001AB
10	INS4012S	4		MOS	10	0.0†	CMS	4	50	0.0	10	30nΔ	18n†	18n†	100n%	4 5 Δ	-55	125	2	G043aw	M236b
11	INS4023S	4	10M	MOS	10	0.0†	CMS	3	50	0.0	10	10n	25n†	25n†	3.0u%	4.5 Δ	-55	125	3	G04397a	M236b
12▼	INS4011S	4	15M	MOS	10	0 0†	CMS	2	50	0 0	10	10n	20n	20n	6.0u%	4.5	-55	125	4	G043ax	M236
13	HD1A4011-9	4	10M	MOS	15	0.0	CMS	2		0.0	15	130nΔ			200m		-40	85	4	G04403	TO116
14	HD1A4012-9	4	10M	MOS	15	0.0	CMS	4		0.0	15	130nΔ			200m		-40	85	2	G04404	TO116
15	HD1A4023-9	4	10M	MOS	15	0 0	CMS	3		0 0	15	130nΔ			200m		-40	85	3	G04460	TO116
16	HD1A4011-2	4	10M	MOS	18	0.0	CMS	2		0.0	18	75nΔ			200m		-55	125	4	G04403	TO116
17	HD1A4012-2	4	10M	MOS	18	0 0	CMS	4		0.0	18	75nΔ			200m		-55	125	2	G04404	TO116
18	HD1A4023-2	4	10M	MOS	18	0.0	CMS	3		0.0	18	75nΔ			200m		-55	125	3	G04460	TO116
19	HEPC1030P-RT	4					DTL	4	8	0.0	8 0	30n			26m				2		TO116
20	MCE944F	4		MON			DTL	5Δ	27	0 0	5 0				65m†		-55	125	2	G04154d	TO86
21	MCE962F	4		MON			DTL	3	8	0.0	5.0				33m†		-55	125	3	G0492b	TO86
22#	MIC301-1D	4		MON			DTL	6Δ		0 0	12						-55	125	2		M153a
23#	MIC301-1D1	4		MON			DTL	6Δ		0 0	15						-55	125	2		M153a
24#	MIC301-5D	4		MON			DTL	6Δ		0 0	12						-30	85	2		M153a
25#	MIC301-5D1	4		MON			DTL	6Δ		0.0	15						-30	85	2		M153a
26#	MIC302-1D	4		MON			DTL	3Δ		0.0	12						-55	125	4		M153a
27#	MIC302-1D1	4		MON			DTL	3Δ		0.0	15						-55	125	4		M153a
28#	MIC302-5D	4		MON			DTL	3Δ		0.0	12						-30	85	4		M153a
29#	MIC302-5D1	4		MON			DTL	3Δ		0.0	15						-30	85	4		M153a
30#	MIC303-1D	4		MON			DTL	3Δ		0.0	12						-55	125	4		M153a
31#	MIC303-1D1	4		MON			DTL	3Δ		0.0	15						-55	125	4		M153a
32#	MIC303-5D	4		MON			DTL	3Δ		0.0	12						-30	85	4		M153a
33#	MIC303-5D1	4		MON			DTL	3Δ		0 0	15						-30	85	4		M153a
34#	MIC321-1D	4		MON			DTL	3Δ		0.0	12						-55	125	4		M153a
35#	MIC321-1D1	4		MON			DTL	3Δ		0 0	15						-55	125	4		M153a
36#	MIC321-5D	4		MON			DTL	3Δ		0.0	12						-30	85	4		M153a
37#	MIC321-5D1	4		MON			DTL	3Δ		0.0	15						-30	85	4		M153a
38#	MIC322-1D	4		MON			DTL	6Δ		0.0	12						-55	125	2		M153a
39#	MIC322-1D1	4		MON			DTL	6Δ		0.0	15						-55	125	2		M153a
40#	MIC322-5D	4		MON			DTL	6Δ		0.0	12						-30	85	2		M153a
41#	MIC322-5D1	4		MON			DTL	6Δ		0.0	15						-30	85	2		M153a
42#	MIC323-1D	4		MON			DTL	3Δ		0.0	12						-55	125	4		M153a
43#	MIC323-1D1	4		MON			DTL	3Δ		0.0	15						-55	125	4		M153a
44#	MIC323-5D	4		MON			DTL	3Δ		0 0	12						-30	85	4		M153a
45#	MIC323-5D1	4		MON			DTL	3Δ		0.0	15						-30	85	4		M153a
46#	MIC324-1D	4		MON			DTL	3Δ		0.0	12						-55	125	4		M153a
47#	MIC324-1D1	4		MON			DTL	3Δ		0 0	15						-55	125	4		M153a
48#	MIC324-5D	4		MON			DTL	3Δ		0.0	12						-30	85	4		M153a
49#	MIC324-5D1	4		MON			DTL	3Δ		0.0	15						-30	85	4		M153a
50#	MIC325-1D	4		MON			DTL	3†		0.0	12						-55	125	4		M153a
51#	MIC325-1D1	4		MON			DTL	3†		0.0	15						-55	125	4		M153a
52#	MIC325-5D	4		MON			DTL	3†		0.0	12						-30	85	4		M153a
53#	MIC325-5D1	4		MON			DTL	3†		0.0	15						-30	85	4		M153a
54#	MIC326-1D	4		MON			DTL	3†		0 0	12						-55	125	4		M153a
55#	MIC326-1D1	4		MON			DTL	3†		0.0	15						-55	125	4		M153a
56#	MIC326-5D	4		MON			DTL	3†		0.0	12						-30	85	4		M153a
57#	MIC326-5D1	4		MON			DTL	3†		0.0	15						-30	85	4		M153a
58	RG3200D	4		MON			DTL	8	11	0.0	5	6 5n			22m†	1.1	-55	125	1		M105m
59	RG3200K	4		MON			DTL	8	11	0.0	5	6 5n			22m†	1.1	-55	125	1		FP28
60	RG3202D	4		MON			DTL	8	9	0.0	5	6 5n			22m†	1.1	0	75	1		M105m
61	RG3202K	4		MON			DTL	8	9	0.0	5	6 5n			22m†	1.1	0	75	1		FP28
62#	SFC410PM	4		MON			DTL	3	10	0	7	13n			30m†	400m	-55	125	3	G0414a	ZB165
63#	SFC420HE	4		MON			DTL	4	10	0	7	6n			40m†	400m	0	70	2	G0414b	TO116
64#	SFC420HPM	4		MON			DTL	4	10	0	7	6n			40m†	400m	-55	125	2	G0414b	ZB165
65#	SFC420PM	4		MON			DTL	4	10	0	7	13n			20m†	400m	-55	125	2	G0414b	ZB165
66#	SFC430HE	4		MON			DTL	8	10	0	7	6n			20m†	400m	0	70	1	G0414c	TO116
67#	SFC430HPM	4		MON			DTL	8	10	0	7	6n			20m†	400m	-55	125	1	G0414c	ZB165
68#	SFC430PM	4		MON			DTL	8	10	0	7	13n			10m†	400m	-55	125	1	G0414c	ZB165
69#	SFC440HE	4		MON			DTL	4	30	0	7	6n			40m†	400m	0	70	2	G0414b	TO116
70#	SFC440HPM	4		MON			DTL	4	30	0	7	6n			40m†	400m	-55	125	2	G0414b	ZB165
71#	SFC440PM	4		MON			DTL	4	30	0	7	13n			20m†	400m	-55	125	2	G0414b	ZB165
72#	SFC453PM	4		MON			DTL	8	10	0	7	13n			40m†	400m	-55	125	1		ZB165
73	SP616A	4		MON			DTL	5Δ	8	0 0	4 5	60n			40m†	2 0	0	75	2	G0489j	M105ae
74	SP670A	4		MON			DTL	3	8	0 0	4 5	60n			60m†	2.0	0	75	3	G0489h	M105ae
75#	SP680AΔ	4		MON			DTL	2	8	0.0	4.5	60n			80m†	2 0	0	75	4	G0489g	M105ae
76	SW744-1P	4		MON			DTL	5Δ		0.0	5.0	30n%			44m†	1.0 Δ	-55	125	2	G0485e	TO116
77	SW744-2M	4		MON			DTL	5Δ		0 0	5 0	30n%			44m†	800mΔ	0	75	2	G0485e	M105n
78	SW744-2P	4		MON			DTL	5Δ		0 0	5.0	30n%			44m†	800mΔ	0	75	2	G0485e	TO116
79	N8415A	4		MON		.35*†	DTL	5	9	0	5	150nΔ			23mΔ	1 4	0	75	2	G04325b	TO116
80	N8415F	4		MON		35†*	DTL	5	9	0.0	5 0	150nΔ			23mΔ	1.4	0	75	2	G04325b	M157
81	N8415J	4		MON		.35*†	DTL	5	9	0	5	150nΔ			23mΔ	1.4	0	75	2	G04325c	TO88
82	N8417A	4		MON		35*†	DTL	4Δ	9	0	5	150n		75n	23mΔ	1.4	0	75	2	G04325	TO116
83	N8417F	4		MON		35†*	DTL	4Δ	9	0 0	5 0	150nΔ		75n	23mΔ	1.4	0	75	2	G04325	M157
84	N8417J	4		MON		35*†	DTL	4Δ	9	0	5	150n		75n	23mΔ	1.4	0	75	2	G04325a	TO88
85	S8415A	4		MON		.35*†	DTL	5	9	0	5	150nΔ			23mΔ	1.4	-55	125	2	G04325b	TO116
86	S8415F	4		MON		35†*	DTL	5	9	0.0	5.0	150nΔ			23mΔ	1.4	-55	125	2	G04325b	M157
87	S8415J	4		MON		.35*†	DTL	5	9	0	5	150nΔ			23mΔ	1.4	-55	125	2	G04325c	TO88
88	S8417A	4		MON		35*†	DTL	4Δ	9	0	5	150n		75n	23mΔ	1.4	-55	125	2	G04325	TO116
89	S8417F	4		MON		35†*	DTL	4Δ	9	0.0	5 0	150nΔ		75n	23mΔ	1.4	-55	125	2	G04325	M157
90	S8417J	4		MON		.35*†	DTL	4Δ	9	0	5	150n		75n	23mΔ	1 4	-55	125	2	G04325a	TO88
91	MC1918F	4		MON		.40*†	DTL	2	8	0 0	5.0	30n			40m		-55	125	4	G04310f	TO86
92	MC1918L	4		MON		40*†	DTL	2	8	0.0	5.0	30n			40m		-55	125	4	G04310f	TO116
93	HEPC1044P-RT	4		MON		.45*†	DTL	4Δ		0.0	5.0	30n			64m		0	75	2	G04154d	TO116
94	HEPC1058P-RT	4		MON		45*†	DTL	2		0.0	5 0	30n			130m†		0	75	4	G04154e	TO116
95	MC1818F	4		MON		45*†	DTL	2	8	0.0	5.0	30n			40m		0	75	4	G04310f	TO86
96	MC1818L,P%	4		MON		.45*†	DTL	2	8	0 0	5.0	30n			40m		0	75	4	G04310f	TO116
97	MC1818P	4		MON		.45*†	DTL	2	8	0 0	5.0	30n			40m		0	75	4	G04310f	M114
98	R121#	4	10M	PCB	0.0	-3 0	DTL	4†		15	10				40m	1.0	-20	65	4	G04246a	CB31
99	SW957-1P	4		MON	1 8%	1 2*	DTL	2		0.0	5.0	35n			120m	1 0	-55	125	4	G04154e	TO116

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	SW957-2M	4		MOS	1 8%	1.2*	DTL	2	27†	0.0	5 0	35n			120m	1.0	0	75	4	G04154e	M105n
2	SW957-2P	4		MOS	1.8%	1 2*	DTL	2	27†	0.0	5 0	35n			120m	1.0	0	75	4	G04154e	TO116
3	SW958-1P	4		MOS	1 8%	1 2*	DTL	2		0 0	5 0	25n			88m	1.0	-55	125	4	G04376	TO116
4	SW958-2M	4		MOS	1.8%	1 2*	DTL	2	27†	0.0	5 0	25n			88m	1 0	0	75	4	G04376	M105n
5	SW958-2P	4		MOS	1.8%	1.2*	DTL	2	27†	0 0	5 0	25n			88m	1.0	0	75	4	G04376	TO116
6▼	JANM38510/03001BAA																				
7▼	JANM38510/03001BAB	4		MOS	1 9%	1 1*	DTL	5Δ	8	0 0	5 5	112nΔ			46m		-55	125	2	G0427r	FP52d
8▼	JANM38510/03001BCA	4		MOS	1.9%	1 1*	DTL	5Δ	8	0 0	5 5	112nΔ			46m		-55	125	2	G0427r	FP52d
9▼	JANM38510/03001BCB	4		MOS	1.9%	1.1*	DTL	5Δ	8	0 0	5 5	112nΔ			46m		-55	125	2	G0427r	M314
10▼	JANM38510/03001CAA	4		MOS	1.9%	1 1*	DTL	5Δ	8	0 0	5 5	112nΔ			46m		-55	125	2	G0427r	M314
11▼	JANM38510/03001CAB	4		MOS	1.9%	1 1*	DTL	5Δ	8	0.0	5 5	112nΔ			46m		-55	125	2	G0427r	FP52d
12▼	JANM38510/03001CCA	4		MOS	1.9%	1.1*	DTL	5Δ	8	0.0	5.5	112nΔ			46m		-55	125	2	G0427r	FP52d
13▼	JANM38510/03001CCB	4		MOS	1.9%	1.1*	DTL	5Δ	8	0 0	5 5	112nΔ			46m		-55	125	2	G0427r	M314
14▼	JANM38510/03004BAA	4		MOS	1 9%	1 1*	DTL	5Δ	8	0 0	5 5	112nΔ			46m		-55	125	2	G0427r	M314
15▼	JANM38510/03004BAB	4		MOS	1.9%	1 1*	DTL	2	8	0 0	5.5	112nΔ			92m		-55	125	4	G04229a	FP52d
16▼	JANM38510/03004BCA	4		MOS	1.9%	1.1*	DTL	2	8	0.0	5.5	112nΔ			92m		-55	125	4	G04229a	FP52d
17▼	JANM38510/03004BCB	4		MOS	1.9%	1.1*	DTL	2	8	0.0	5 5	112nΔ			92m		-55	125	4	G04229a	M314
18▼	JANM38510/03004CAA	4		MOS	1.9%	1 1*	DTL	2	8	0 0	5.5	112nΔ			92m		-55	125	4	G04229a	M314
19▼	JANM38510/03004CAB	4		MOS	1.9%	1.1*	DTL	2	8	0.0	5.5	112nΔ			92m		-55	125	4	G04229a	FP52d
20▼	JANM38510/03004CCA	4		MOS	1.9%	1 1*	DTL	2	8	0.0	5 5	112nΔ			92m		-55	125	4	G04229a	FP52d
21▼	JANM38510/03004CCB	4		MOS	1.9%	1.1*	DTL	2	8	0.0	5.5	112nΔ			92m		-55	125	4	G04229a	M314
22▼	JANM38510/03005BAA	4		MOS	1.9%	1 1*	DTL	2	8	0 0	5 5	112nΔ			92m		-55	125	4	G04229a	M314
23▼	JANM38510/03005BAB	4		MOS	1.9%	1 1*	DTL	3	8	0.0	5 5	112nΔ			69m		-55	125	3	G0427q	FP52d
24▼	JANM38510/03005BCA	4		MOS	1 9%	1.1*	DTL	3	8	0.0	5.5	112nΔ			69m		-55	125	3	G0427q	FP52d
25▼	JANM38510/03005BCB	4		MOS	1 9%	1.1*	DTL	3	8	0 0	5 5	112nΔ			69m		-55	125	3	G0427q	M314
26▼	JANM38510/03005CAA	4		MOS	1.9%	1 1*	DTL	3	8	0.0	5 5	112nΔ			69m		-55	125	3	G0427q	M314
27▼	JANM38510/03005CAB	4		MOS	1.9%	1 1*	DTL	3	8	0.0	5.5	112nΔ			69m		-55	125	3	G0427q	FP52d
28▼	JANM38510/03005CCA	4		MOS	1 9%	1 1*	DTL	3	8	0 0	5.5	112nΔ			69m		-55	125	3	G0427q	FP52d
29▼	JANM38510/03005CCB	4		MOS	1.9%	1.1*	DTL	3	8	0.0	5.5	112nΔ			69m		-55	125	3	G0427q	M314
30	SN15849F,R	4		MOS	1.9%	1.1*	DTL	2	7	0	8						0	75	4	G04217a	TO84
31	SN15849J	4		MOS	1.9%	1 1*	DTL	2	7	0	8						0	75	4	G04217a	TO116
32	SN15849N	4		MOS	1.9%	1.1*	DTL	2	7	0	8						0	75	4	G04217a	M126
33	SN15861F,R	4		MOS	1 9%	1.1*	DTL	5Δ	7	0	8						0	75	2	G04217	TO84
34	SN15861J	4		MOS	1 9%	1.1*	DTL	5Δ	7	0	8						0	75	2	G04217	TO116
35	SN15861N	4		MOS	1 9%	1.1*	DTL	5Δ	7	0	8						0	75	2	G04217	M126
36	SN15863F,R	4		MOS	1 9%	1 1*	DTL	3	7	0 0	8.0						0	75	3	G04217b	TO84
37	SN15863J	4		MOS	1 9%	1.1*	DTL	3	7	0	8						0	75	3	G04217b	TO116
38	SN15863N	4		MOS	1 9%	1.1*	DTL	3	7	0	8						0	75	3	G04217b	M126
39	SN15930N	4		MOS	1.9%	1.1*	DTL	5Δ	8	0.0	5.0	80nΔ			10m†		-55	125	2	G04217	M126a
40	SN15932N	4		MOS	1.9%	1.1*	DTL	5Δ	25	0.0	5 0	80nΔ			10m†		-55	125	2	G04218	M126a
41	SN15944N	4		MOS	1.9%	1.1*	DTL	5Δ	27	0 0	5 0	50nΔ			10m†		-55	125	2	G04218a	M126a
42	SN15946N	4		MOS	1.9%	1.1*	DTL	2	8	0.0	5 0	80nΔ			20m†		-55	125	4	G04217a	M126a
43	SN15949F,R	4		MOS	1 9%	1.1*	DTL	2	7	0	8						-55	125	4	G04217a	TO84
44	SN15949J	4		MOS	1.9%	1.1*	DTL	2	7	0	8						-55	125	4	G04217a	TO116
45	SN15949N	4		MOS	1.9%	1.1*	DTL	2	7	0	8						-55	125	4	G04217a	M126
46	SN15961F,R	4		MOS	1.9%	1.1*	DTL	5Δ	7	0	8						-55	125	2	G04217	TO84
47	SN15961J	4		MOS	1.9%	1 1*	DTL	5Δ	7	0	8						-55	125	2	G04217	TO116
48	SN15961N	4		MOS	1 9%	1.1*	DTL	5Δ	7	0	8						-55	125	2	G04217	M126
49	SN15962N	4		MOS	1.9%	1 1*	DTL	3	8	0.0	5 0	80nΔ			15m†		-55	125	3	G04217b	M126e
50	SN15963F,R	4		MOS	1.9%	1.1*	DTL	3	7	0	8						-55	125	3	G04217b	TO84
51	SN15963J	4		MOS	1.9%	1 1*	DTL	3	7	0	8						-55	125	3	G04217b	TO116
52	SN15963N	4		MOS	1 9%	1.1*	DTL	3	7	0	8						-55	125	3	G04217b	M126
53	SW1800M	4		MOS	1 9%	1.2*	DTL	5	8†	0.0	8.0	30n			16m†	1 0	0	75	2	G0427k	M105n
54	SW1800P	4		MOS	1.9%	1.2*	DTL	5	8†	0 0	8 0	30n			16m†	1.0	0	75	2	G0427k	M114
55	SW1802M	4		MOS	1 9%	1.2*	DTL	9Δ	8†	0.0	8.0	30n			8.0m†	1 0	0	75	1	G0427m	M105n
56	SW1802P	4		MOS	1.9%	1 2*	DTL	9Δ	8†	0 0	8.0	30n			8 0m†	1.0	0	75	1	G0427m	M114
57	SW1805M	4		MOS	1.9%	1 2*	DTL	10	7†	0 0	8.0	25n			12m†	1.0	0	75	1	G0427n	M105n
58	SW1805P	4		MOS	1.9%	1 2*	DTL	10	7†	0 0	8 0	25n			12m†	1 0	0	75	1	G0427n	M114
59♦	502	4		PCB	2 0%	45*	DTL	2	8	0 0	7.0	35n%			120m†		0	12	12		CB62
60▼	566	4		PCB	2.0%	.45*	DTL	5	10	0.0	7.0	40n%			240m†		0	70	4		CB62
61▼	566A	4		PCB	2.0%	.45*	DTL	5	10	0 0	7.0	40n%			240m†		0	70	4		CB62
62▼	503	4	5 0M	PCB	2.0%	.45*	DTL	3	7	0 0	7 0	35n%			100m†		0	70	10		CB62
63▼	503A	4	5.0M	PCB	2.0%	.45*	DTL	3	22	0.0	7.0	35n%			250m†		0	70	10		CB62
64▼	503B	4	5 0M	PCB	2 0%	.45*	DTL	3	25	0.0	7.0	30n%			200m†		0	70	10		CB62
65▼	504	4	5.0M	PCB	2.0%	.45*	DTL	4	8	0.0	7.0	35n%			80m†		0	70	8		CB62
66▼	504A	4	5.0M	PCB	2.0%	.45*	DTL	4	25	0.0	7.0	35n%			200m†		0	70	8		CB62
67▼	504B	4	5.0M	PCB	2 0%	.45*	DTL	4	27	0.0	7.0	30n%			160m†		0	70	8		CB62
68▼	507	4	5 0M	PCB	2 0%	.45*	DTL	2	25	0 0	7 0	35n%			300m†		0	70	12		CB62
69▼	507B	4	5.0M	PCB	2 0%	.45*	DTL	2	27	0 0	7.0	30n%			240m†		0	70	12		CB62
70▼	508	4	5.0M	PCB	2 0%	45*	DTL	8Δ	8	0.0	7.0	30n%			44m†		0	70	4		CB62
71	MGD2	4	3.0M	PCB	2.0%	.50*	DTL	2		5	5	30n			625m	1.0	0	70	8	G04374	CB37c
72	D4009	4	5 0M	PCB	2 0%	.95*	DTL	2	12	0	5	10n%	50n†	15n†	320m	1 0 Δ	0	75	16		CB☑
73	D4042	4	5.0M	PCB	2.0%	95*	DTL	4	26	0	5	30n%	50n†	15n†	250m	1.0 Δ	0	75	8		CB☑
74	RC6175G	4		MOS	2.0%	1.0*	DTL	1	11	0	6.0	48n			66m†	550m	0	75	6	G0428t	TO84
75	RC6176G	4		MOS	2.0%	1 0*	DTL	1	11	0	6.0	48n			66m†	550m	0	75	6	G0428t	TO84
76	RM210D	4		MOS	2.0%	1.0*	DTL	3	19	0	6 0	75n			40m†	550m	-55	125	2		M105k
77	RM210G	4		MOS	2.0%	1.0*	DTL	3	19	0	6.0	75n			40m†	440m	-55	125	2	G0437	TO84
78	RM210T	4		MOS	2.0%	1.0*	DTL	3	19	0	6.0	75n			40m†	550m	-55	125	2	G0437	TO101
79	RM220D	4		MOS	2 0%	1.0*	DTL	4Δ	19	0	6 0	75n			40m†	550m	-55	125	2		M105k
80	RM220G	4		MOS	2 0%	1.0*	DTL	4Δ	19	0	6 0	75n			40m†	550m	-55	125	2		TO84
81	RM220T	4		MOS	2.0%	1.0*	DTL	4Δ	19	0	6.0	75n			40m†	550m	-55	125	2	G0437b	TO101
82	RM286D	4		MOS	2 0%	1.0*	DTL	1	11	0	6.0	48n			66m†	550m	-55	125	6		M105k
83	RM286G	4		MOS	2.0%	1.0*	DTL	1	11	0	6 0	48n			66m†	550m	-55	125	6	G0428t	TO84
84	RM296D	4		MOS	2 0%	1.0*	DTL	1	11	0	6 0	48n			66m†	550m	-55	125	6	G0428t	M105k
85	RM296G	4		MOS	2 0%	1 0*	DTL	1	11	0	6 0	48n			66m†	550m	-55	125	6	G0428t	TO84
86	RM957D	4		MOS	2.0%	1 0*	DTL	2	25	0	5.0	35n			180m†	500m	-55	125	4		M105m

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	RM957J	4		MON	2.0%	1.0*	DTL	2	25	0	5.0	35n			180mt	500m	-55	125	4		FP28
2	RM958D	4		MON	2.0%	1.0*	DTL	2	27	0	5.0	30n			140mt	500m	-55	125	4		M105m
3	RM958J	4		MON	2.0%	1.0*	DTL	2	27	0	5.0	30n			140mt	500m	-55	125	4		FP28
4	RM6175G	4		MON	2.0%	1.0*	DTL	1	11	0	6.0	48n			66mt	550m	-55	125	6	G0428t	T084
5	RM6176G	4		MON	2.0%	1.0*	DTL	1	11	0	6.0	48n			66mt	550m	-55	125	6	G0428t	T084
6	SN15962	4		MON	2.5%	45*Δ	DTL	3	8	0	8				15m		-55	125	3	G04217b	T084
7	9949FC	4		MON	2.6%	.40t*	DTL	2	7	0.0	8.0	36n			36m	1.1	0	75	4	G0492a	FP28
8	9961FC	4		MON	2.6%	40t*	DTL	5Δ	7	0.0	8.0	36n			17m	1.1	0	75	2	G0492	FP28
9	9963FC	4		MON	2.6%	.40t*	DTL	3	7	0.0	8.0	36n			25m		0	75	3	G0492b	FP28
10#	DN1930	4		MON	2.6%	.40*	DTL	5Δ	8	0.0	5.0	25n%			8.5mt	1.0 Δ	0	75	2	G0492	T0116
11#	DN1932	4		MON	2.6%	.40*	DTL	5Δ	25	0.0	5.0	35n%			26mt	1.0 Δ	0	75	2	G04207a	T0116
12#	DN1944	4		MON	2.6%	.40*	DTL	5Δ	27	0.0	5.0	40n%			20mt	1.0 Δ	0	75	2	G04154b	T0116
13#	DN1946	4		MON	2.6%	40*	DTL	2	8	0.0	5.0	25n%			8.5mt	1.0 Δ	0	75	4	G0492a	T0116
14#	DN1949	4		MON	2.6%	.40*	DTL	2	7	0.0	5.0	20n%			12mt	1.0 Δ	0	75	4	G0492a	T0116
15#	DN1961	4		MON	2.6%	.40*	DTL	5Δ	7	0.0	5.0	20n%			12mt	1.0 Δ	0	75	2	G0492	T0116
16#	DN1962	4		MON	2.6%	40*	DTL	3	8	0.0	5.0	25n%			8.5mt	1.0 Δ	0	75	3	G0492b	T0116
17#	DN1963	4		MON	2.6%	40*	DTL	3	7	0.0	5.0	20n%			12mt	1.0 Δ	0	75	3	G0492b	T0116
18	MC930F	4		MON	2.6%	40*	DTL	5Δ	8	0.0	5.0	30n			22mt		-55	125	2	G0492	T086
19	MC930G	4		MON	2.6%	.40*	DTL	3t	8	0.0	5.0	30n			22mt		-55	125	2	G0492	T0100
20	MC930L	4		MON	2.6%	.40*	DTL	5Δ	8	0.0	5.0	30n			22mt		-55	125	2	G0492	T0116
21	MC932F	4		MON	2.6%	.40*	DTL	5Δ	25	0.0	5.0	35n			85mt		-55	125	2	G04154a	T086
22	MC932G	4		MON	2.6%	.40*	DTL	3t	25	0.0	5.0	35n			85mt		-55	125	2	G04154c	T0100
23	MC932L	4		MON	2.6%	.40*	DTL	5Δ	25	0.0	5.0	35n			85mt		-55	125	2	G04154a	T0116
24	MC944F	4		MON	2.6%	.40*	DTL	5Δ	27	0.0	5.0	30n%			65mt		-55	125	2	G04154	T086
25	MC944G	4		MON	2.6%	40*	DTL	3t	27	0.0	5.0	30n%			65mt		-55	125	2	G04154b	T0116
26	MC944L	4		MON	2.6%	40*	DTL	5Δ	27	0.0	5.0	30n%			65mt		-55	125	2	G04154	T0116
27	MC946F	4		MON	2.6%	40*	DTL	2	8	0.0	5.0	30n%			44mt		-55	125	4	G04229a	T086
28	MC946L	4		MON	2.6%	40*	DTL	2	8	0.0	5.0	30n%			44mt		-55	125	4	G04229a	T0116
29	MC949F	4		MON	2.6%	40*	DTL	2	7	0.0	5.0	25n%			66mt		-55	125	4	G04229a	T086
30	MC949L	4		MON	2.6%	.40*	DTL	2	7	0.0	5.0	25n%			66mt		-55	125	4	G04229a	T0116
31	MC961F	4		MON	2.6%	.40*	DTL	5Δ	7	0.0	5.0	25n%			33mt		-55	125	2	G0492	T086
32	MC961G	4		MON	2.6%	40*	DTL	3t	7	0.0	5.0	25n%			33mt		-55	125	2	G0492	T0100
33	MC961L	4		MON	2.6%	40*	DTL	5Δ	7	0.0	5.0	25n%			33mt		-55	125	2	G0492	T0116
34	MC962F	4		MON	2.6%	40*	DTL	3	8	0.0	5.0	30n%			33mt		-55	125	3	G04229f	T086
35	MC962L	4		MON	2.6%	40*	DTL	3	8	0.0	5.0	30n%			33mt		-55	125	4	G04229f	T0116
36	MC963F	4		MON	2.6%	40*	DTL	3	7	0.0	5.0	25n%			50mt		-55	125	3	G04229f	T086
37	MC963L	4		MON	2.6%	40*	DTL	3	7	0.0	5.0	25n%			50mt		-55	125	4	G04229f	T0116
38	MCE930F	4		MON	2.6%	40*t	DTL	5Δ	8	0.0	5.0				22mt		-55	125	2	G0427a	T086
39	MCE932F	4		MON	2.6%	40*t	DTL	5Δ	25	0.0	5.0				85mt		-55	125	2	G04207a	T086
40	MCE946F	4		MON	2.6%	40*t	DTL	2	8	0.0	5.0	80n			44m		-55	125	4	G0492a	T085
41#	9934-9-6A	4		MON	2.6%	.45t*	DTL	2	10	0.0	5.0						0	75	2		M157
42#	9934-9-7A	4		MON	2.6%	45t*	DTL	2	10	0.0	5.0						0	75	2		M105e
43	HEPC1062P-RT	4		MON	2.60%	45*t	DTL	3		0.0	5.0	30n			39m		0	75	3	G04229f	T0116
44	MC830F	4		MON	2.6%	45*t	DTL	5Δ	8	0.0	5.0	30n%			22mt		0	75	2	G0492	T086
45	MC830G	4		MON	2.6%	.45*t	DTL	3t	8	0.0	5.0	30n%			22mt		0	75	2	G0492	T0100
46	MC830L,P%	4		MON	2.6%	.45*t	DTL	5Δ	8	0.0	5.0	30n%			22mt		0	75	2	G0492	T0116
47	MC832F	4		MON	2.6%	.45*t	DTL	5Δ	25	0.0	5.0	35n%			85mt		0	75	2	G04154a	T086
48	MC832G	4		MON	2.6%	45*t	DTL	3t	25	0.0	5.0	35n%			85mt		0	75	2	G04154c	T0100
49	MC832L,P%	4		MON	2.6%	45*t	DTL	5Δ	25	0.0	5.0	35n%			85mt		0	75	2	G04154a	T0116
50	MC844F	4		MON	2.6%	45*	DTL	5Δ	27	0.0	5.0	30n%			65mt		0	75	2	G04154	T086
51	MC844G	4		MON	2.6%	45*	DTL	3t	27	0.0	5.0	30n%			65mt		0	75	2	G04154b	T0100
52	MC844L,P%	4		MON	2.6%	.45*	DTL	5Δ	27	0.0	5.0	30n%			65mt		0	75	2	G04154	T0116
53	MC846F	4		MON	2.6%	.45*	DTL	2	8	0.0	5.0	30n%			44mt		0	75	4	G04229a	T086
54	MC846L,P%	4		MON	2.6%	.45*	DTL	2	8	0.0	5.0	30n%			44mt		0	75	4	G04229a	T0116
55	MC849F	4		MON	2.6%	45*	DTL	2	7	0.0	5.0	25n%			66mt		0	75	4	G04229a	T086
56	MC849L,P%	4		MON	2.6%	.45*	DTL	2	7	0.0	5.0	25n%			66mt		0	75	4	G04229a	T0116
57	MC861F	4		MON	2.6%	45*t	DTL	5Δ	7	0.0	5.0	25n%			33mt		0	75	2	G0492	T086
58	MC861G	4		MON	2.6%	.45*t	DTL	3t	7	0.0	5.0	25n%			33mt		0	75	2	G0492	T0100
59	MC861L,P%	4		MON	2.6%	45*t	DTL	5Δ	7	0.0	5.0	25n%			33mt		0	75	2	G0492	T0116
60	MC862F	4		MON	2.6%	.45*	DTL	3	8	0.0	5.0	30n%			33mt		0	75	3	G04229f	T086
61	MC862L,P%	4		MON	2.6%	45*	DTL	3	8	0.0	5.0	30n%			33mt		0	75	3	G04229f	T0116
62	MC863F	4		MON	2.6%	45*	DTL	3	7	0.0	5.0	25n%			50mt		0	75	3	G04229f	T086
63	MC863L,P%	4		MON	2.6%	45*	DTL	3	7	0.0	5.0	25n%			50mt		0	75	3	G04229f	T0116
64#	FQH101-830	4	5.0M%	MON	2.6%	.45t*	DTL	5Δ	8	0.0	5.0	25n%	30n	80n	20mt	1.0 Δ	0	75	2	G04354	T0116
65#	FQH121-846	4	5.0M%	MON	2.6%	.45t*	DTL	5Δ	8	0.0	5.0	25n%	30n	80n	20mt	1.0 Δ	0	75	4	G04354a	T0116
66#	FQH161-832	4	5.0M%	MON	2.6%	45t*	DTL	5Δ	25	0.0	5.0	25n%	40n	80n	150mt	1.0 Δ	0	75	2	G04355	T0116
67#	FQH171-844	4	5.0M%	MON	2.6%	45t*	DTL	5Δ	27	0.0	5.0	25n%	35n	50n	113mt	1.0 Δ	0	75	2	G04355a	T0116
68#	FQH181-862	4	5.0M%	MON	2.6%	45t*	DTL	5Δ	8	0.0	5.0	25n%	30n	80n	20mt	1.0 Δ	0	75	3	G04354b	T0116
69	SN5315	4		MON	2.7%	3*t	DTL	11Δ	10	0	7	30n	50n	40n	12mt		-55	125	1	G04313	T084
70	MC857F	4		MON	3.0	20	DTL	2	25	0.0	5.0	35n%			170mt		0	75	4	G06162	T086
71	MC857L,P%	4		MON	3.0	.20	DTL	2	25	0.0	5.0	35n%			170mt		0	75	4	G06162	T0116
72	MC858F	4		MON	3.0	20	DTL	2	27	0.0	5.0	30n%			130mt		0	75	4	G04376	T086
73	MC858L,P%	4		MON	3.0	.20	DTL	2	27	0.0	5.0	30n%			130mt		0	75	4	G04376	T0116
74	MC957F	4		MON	3.0	20	DTL	2	25	0.0	5.0	35n%			170mt		-55	125	4	G06162	T086
75	MC957L	4		MON	3.0	20	DTL	2	25	0.0	5.0	35n%			170mt		-55	125	4	G06162	T0116
76	MC958F	4		MON	3.0	20	DTL	2	27	0.0	5.0	30n%			130mt		-55	125	4	G04376	T086
77	MC958L	4		MON	3.0	20	DTL	2	27	0.0	5.0	30n%			130mt		-55	125	4	G04376	T0116
78	MC1800F	4		MON	3.0	.20	DTL	5	8	0.0	5.0	30n%			22mt	1.0	0	75	2	G0427k	T086
79	MC1800L,P%	4		MON	3.0	.20	DTL	5	8	0.0	5.0	30n%			22mt	1.0	0	75	2	G0427k	T0116
80	MC1801F	4		MON	3.0	20	DTL	5	7	0.0	5.0	25n%			33mt	1.0	0	75	2	G0427k	T086
81	MC1802F	4		MON	3.0	20	DTL	9	8	0.0	5.0	30n%			11mt	1.0	0	75	1	G0427m	T086
82	MC1802L,P%	4		MON	3.0	20	DTL	9	8	0.0	5.0	30n%			11mt	1.0	0	75	1	G0427m	T0116
83	MC1803F	4		MON	3.0	.20	DTL	9	7	0.0	5.0	25n%			16mt	1.0	0	75	1	G0427m	T086
84	MC1803L,P%	4		MON	3.0	.20	DTL	9	7	0.0	5.0	25n%			16mt	1.0	0	75	1	G0427m	T0116
85	MC1804F	4		MON	3.0	.20	DTL	10	8	0.0	5.0	30n%			11mt	1.0	0	75	1	G0427n	T086
86	MC1804L,P%	4		MON	3.0	.20	DTL	10	8	0.0	5.0	30n%			11mt	1.0	0	75	1	G0427n	T0116
87	MC1805F	4		MON	3.0	20	DTL	10	7	0.0	5.0	25n%			16mt	1.0	0	75	1	G0427n	T086
88	MC1805L,P%	4		MON	3.0	.20	DTL	10	7	0.0	5.0	25n%			16mt	1.0	0	75	1	G0427n	T0116
89	MC1900F	4		MON	3.0	20	DTL	5	8	0.0	5.0	30n%			22mt	1.0	0	75	2	G0427k	T086
90	MC1900L	4		MON	3.0	20	DTL	5	8	0.0	5.0	30n%			22mt	1.0	0	75	2	G0427k	T0116
91	MC1901F	4		MON	3.0	20	DTL	5	7	0.0	5.0	25n%			33mt	1.0	-55	125	2	G0427k	T086
92	MC1901L	4		MON	3.0	.20	DTL	5	7	0.0	5.0	25n%			33mt	1.0	-55	125	2	G0427k	T0116
93	MC1902F	4		MON	3.0	.20	DTL	9	8	0.0	5.0	30n%			11mt	1.0	-55	125	1	G0427m	T086
94	MC1902L	4		MON	3.0	20	DTL	9	8	0.0	5.0	30n%			11mt	1.0	-55	125	1	G0427m	T0116
95	MC1903F	4		MON	3.0	20	DTL	10	7	0.0	5.0	25n%			16mt	1.0	-55	125	1	G0427m	T086
96	MC1903L	4		MON	3.0	20	DTL	10	7	0.0	5.0	25n%			16mt	1.0	-55	125	1	G0427m	T0116
97	MC1904F	4		MON	3.0	.20	DTL	10	8	0.0	5.0	30n%			11mt	1.0	-55	125	1	G0427n	T086
98	MC1904L	4		MON	3.0	.20	DTL	10	8	0.0	5.0	30n%			11mt	1.0	-55	125	1	G0427n	T0116
99	MC1905F	4		MON	3.0	.20	DTL	10	7	0.0	5.0	25n%			16mt	1.0	-55	125	1	G0427n	T086
100	MC1905L	4		MON	3.0	.20	DTL	10	7	0.0	5.0	25n%			16mt	1.0	-55	125	1	G0427n	T0116
101	SW1804M	4		MON	3.0	20	DTL	10	8	0.0	8.0	30n			11mt	1.0	0	75		G0427n	M105n
102	N8416A	4		MON	3.4%	35*t	DTL	5Δ	9	0	5	95n		75n	25mΔ	1.4	0	75	2	G04258a	T0116
103	N8416F	4		MON	3.4%	35t*	DTL	5Δ	9	0.0	5.0	95n		75n	25mΔ	1.4	0	75	2	G04258a	M157
104	N8416J	4		MON	3.4%	.35*t	DTL	5Δ	9	0	5	95n		75n	25mΔ	1.4	0	75	2	G04258	T088
105	S8416A	4		MON	3.4%	35*t	DTL	5Δ	9	0	5	95n		75n	25mΔ	1.4	-55	125	2	G04258a	T0116
106	S8416F	4		MON	3.4%	35t*	DTL	5Δ	9	0.0	5.0	95n		75n	25mΔ	1.4	-55	125	2	G04258a	M157
107	S8416J	4		MON	3.4%	35*t	DTL	5Δ	9	0	5	95n		75n	25mΔ	1.4	-55	125	2	G04258	T088
108	SP356A	4		MON	3.5%	60*t	DTL	5Δ	18	0.0	5.0						0	75	2	K211	T0116
109#	FQH111-861	4	5.0M%	MON	4.3%	45t*	DTL	5Δ	7	0.0	5.0	25n%	30n	50n	30mt	1.0 Δ	0	75	2	G04354	T0116

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1#	FQH131-849	4	5.0M%	MON	4.3%	45†*	DTL	5Δ	7	0 0	5.0	25n%	30n	50n	30m†	1.0 Δ	0	75	4	G04354a	TO116
2#	FQH191-863	4	5.0M%	MON	4.3%	45†*	DTL	5Δ	7	0.0	5 0	25n%	30n	50n	30m†	1.0 Δ	0	75	3	G04354b	TO116
3	K113	4	100k	PCB	5.0	0.0	DTL	2	15	0.0	5.0	2 0u	180u	180u	85m	1.6	-20	65	3		
4	I200	4	5 0M	PCB	5.0	0.0	DTL	2	8	4 8	5 2	25n	50n	25n	320m	1.0	0	70	16		CB⍁
5	I201	4	5.0M	PCB	5.0	0 0	DTL	3	8	4 8	5 2	25n	50n	25n	240m	1 0	0	70	12		CB⍁
6	I202	4	5.0M	PCB	5.0	0 0	DTL	5Δ	8	4.8	5 2	25n	50n	25n	160m	1.0	0	70	8		CB⍁
7	I203	4	5.0M	PCB	5.0	0.0	DTL	3Δ	25	4.8	5.2	40n	50n	25n	900m	1.0	0	70	12		CB⍁
8	I204	4	5.0M	PCB	5.0	0.0	DTL	3Δ	25	4 8	5 2	30n	50n	25n	600m	1 0	0	70	12		CB⍁
9	I206	4	5.0M	PCB	5.0	0.0	DTL	5Δ	25	4.8	5.2	30n	50n	25n	400m	1.0	0	70	8		CB⍁
10	I207	4	5.0M	PCB	5.0	0.0	DTL	5Δ	25	4.8	5.2	40n	50n	25n	600m	1.0	0	70	8		CB⍁
11	301AL	4		MON	6.5*	5.0%	DTL	6Δ	20	0.0	15	400n△			1.0 †	3.2	-30	70	2	G04238	M200j
12	301BL	4		MON	6 5*	5.0%	DTL	6Δ	20	0.0	12	400n△			576m†	3.5	-55	125	2	G04238	M200j
13	301CL	4		MON	6.5*	5.0%	DTL	6Δ	20	0.0	12	400n△			576m†	3.5	-30	85	2	G04238	M200j
14	301ML	4		MON	6.5*	5.0%	DTL	6Δ	20	0.0	15	400n△			1 0 †	3.2	-55	125	2	G04238	M200j
15	302AL	4		MON	6.5*	5.0%	DTL	3†	23	0.0	15	600n△			900m†	3.2	-30	70	4	G04329	M200j
16	302BL	4		MON	6.5*	5 0%	DTL	3†	23	0.0	12	600n△			480m†	3.5	-55	125	4	G04329	M200j
17	302CJ	4		MON	6.5%	5.0*	DTL	3Δ		0.0	12						-30	85	4	G04329	M172
18	302CL	4		MON	6.5*	5.0%	DTL	3†	28	0.0	12	600n△			480m†	3 5	-30	85	4	G04329	M200j
19	302ML	4		MON	6.5*	5.0%	DTL	3†	28	0 0	15	600n△			900m†	3.2	-55	125	4	G04329	M200j
20	303AL	4		MON	6 5*	5.0%	DTL	3†	5	0 0	15	600n△			1.0 †	3.2	-30	70	4	G04380	M200j
21	303BL	4		MON	6.5*	5.0%	DTL	3†	5	0.0	12	600n△			508m†	3.5	-55	125	4	G04380	M200j
22	303CL	4		MON	6 5*	5.0%	DTL	3†	5	0 0	12	600n△			508m†	3.5	-30	85	4	G04380	M200j
23	303ML	4		MON	6.5*	5.0%	DTL	3†	5	0 0	15	600n△			1.0 †	3 2	-55	125	4	G04380	M200j
24	321AJ	4		MON	6.5*	5.0%	DTL	3†	5	0 0	15	300n△			300m†	3.2	-30	70	4	G04237	M319
25	321AL	4		MON	6 5*	5 0%	DTL	3†	5	0 0	15	300n△			300m†	3 2	-30	70	4	G04237	M200j
26	321BL	4		MON	6.5*	5 0%	DTL	3†	5	0 0	12	300n△			180m†	3.5	-55	125	4	G04237	M200j
27	321CL	4		MON	6.5*	5.0%	DTL	3†	5	0.0	12	300n△			180m†	3.5	-30	85	4	G04237	M200j
28	321ML	4		MON	6 5*	5.0%	DTL	3†	5	0 0	15	300n△			300m†	3 2	-55	125	4	G04237	M200j
29	322AJ	4		MON	6.5*	5 0%	DTL	6†	5	0 0	15	550n△			165m†	3 2	-30	70	2	G04236	M319
30	322AL	4		MON	6.5*	5.0%	DTL	6†	5	0.0	15	550n△			165m†	3.2	-30	70	2	G04236	M200j
31	322BL	4		MON	6 5*	5.0%	DTL	6†	5	0.0	12	550n△			96m†	3 5	-55	125	2	G04236	M200j
32	322CL	4		MON	6.5*	5.0%	DTL	6†	5	0.0	12	550n△			96m†	3.5	-30	85	2	G04236	M200j
33	322ML	4		MON	6.5*	5.0%	DTL	6†	5	0 0	15	550n△			165m†	3.2	-55	125	2	G04236	M200j
34	323AJ	4		MON	6 5*	5 0%	DTL	3†	5	0 0	15	400n△			120m†	3 2	-30	70	4	G04316	M319
35	323AL	4		MON	6.5*	5.0%	DTL	3†	5	0.0	15	400n△			120m†	3.2	-30	70	4	G04316	M200j
36	323BL	4		MON	6.5*	5.0%	DTL	3†	5	0 0	12	400n△			66m†	3.5	-55	125	4	G04316	M200j
37	323CJ	4		MON	6.5%	5 0*	DTL	3Δ	5	0.0	12	100n			320m	5.0 Δ	-30	85	4	G04316	M172
38	323CL	4		MON	6 5*	5 0%	DTL	3†	5	0 0	12	400n△			66m†	3 5	-30	85	4	G04316	M200j
39	323ML	4		MON	6.5*	5.0%	DTL	3†	5	0.0	15	400n△			120m†	3.2	-55	125	4	G04316	M200j
40	324AJ	4		MON	6 5*	5 0%	DTL	3†	5	0.0	15	600n△			600m†	3.2	-30	70	4	G04381	M319
41	324AL	4		MON	6.5*	5 0%	DTL	3†	5	0.0	15	600n△			600m†	3.2	-30	70	4	G04381	M200j
42	324BL	4		MON	6.5*	5.0%	DTL	3†	5	0.0	12	600n△			336m†	3.5	-55	125	4	G04381	M200j
43	324CL	4		MON	6 5*	5.0%	DTL	3†	5	0.0	12	600n△			336m†	3.5	-30	85	4	G04381	M200j
44	324ML	4		MON	6.5*	5.0%	DTL	3†	5	0 0	15	600n△			600m†	3.2	-55	125	4	G04381	M200j
45	325AJ	4		MON	6.5*	5.0%	DTL	3†	5	0 0	15	300n△			200m†	3 2	-30	75	4	G04382	M319
46	325AL	4		MON	6.5*	5 0%	DTL	3†	5	0 0	15	300n△			200m†	3.2	-30	70	4	G04382	M200j
47	325BL	4		MON	6 5*	5.0%	DTL	3†	5	0.0	12	300n△			180m†	3.5	-55	125	4	G04382	M200j
48	325CL	4		MON	6.5*	5.0%	DTL	3†	5	0.0	12	300n△			180m†	3.5	-30	85	4	G04382	M200j
49	325ML	4		MON	6 5*	5 0%	DTL	3†	5	0.0	15	300n△			200m†	3.2	-55	125	4	G04382	M200j
50	326AJ	4		MON	6.5*	5.0%	DTL	3†	5	0.0	15	600n△			600m†	3.2	-30	70	4	G04383	M319
51	326AL	4		MON	6.5*	5.0%	DTL	3†	5	0.0	15	600n△			600m†	3.2	-30	70	4	G04383	M200j
52	326BL	4		MON	6 5*	5.0%	DTL	3†	5	0.0	12	600n△			336m†	3 5	-55	125	4	G04383	M200j
53	326CL	4		MON	6.5*	5.0%	DTL	3†	5	0.0	12	600n△			336m†	3.5	-30	85	4	G04383	M200j
54	326ML	4		MON	6.5*	5.0%	DTL	3†	5	0.0	15	600n△			600m†	3.2	-55	125	4	G04383	M200j
55	ITT301-1D	4			6 5	5.0	DTL	6Δ		0.0	12	180n△					-55	125	2	G04441	M200d
56	ITT301-5D	4			6.5	5.0	DTL	6Δ		0.0	12	160n△					-30	85	2	G04441	M200d
57	ITT302-1D	4			6.5	5.0	DTL	3Δ		0.0	12						-55	125	4	G04380a	M200d
58	ITT302-5D	4			6.5	5 0	DTL	3Δ		0.0	12						-30	85	4	G04380a	M200d
59	ITT303-1D	4			6.5	5.0	DTL	3Δ		0.0	12						-55	125	4	G04380	M200d
60	ITT303-5D	4			6.5	5.0	DTL	3Δ		0.0	12						-30	85	4	G04380	M200d
61	ITT321-1D	4			6 5	5.0	DTL	3Δ		0.0	12	250n△					-55	125	4	G04442	M200d
62	ITT321-5D	4			6.5	5.0	DTL	3Δ		0.0	12	220n△					-30	85	4	G04442	M200d
63	ITT322-1D	4			6 5	5 0	DTL	6Δ		0.0	12	250n△					-55	125	2	G04236	M200d
64	ITT322-5D	4			6 5	5.0	DTL	6Δ		0 0	12	220n△					-30	85	2	G04236	M200d
65	ITT323-1D	4			6 5	5.0	DTL	3Δ		0 0	12						-55	125	4	G04316	M200d
66	ITT323-5D	4			6.5	5 0	DTL	3Δ		0.0	12						-30	85	4	G04316	M200d
67	ITT324-1D	4			6 5	5 0	DTL	3Δ		0 0	12						-55	125	4	G04381	M200d
68	ITT324-5D	4			6 5	5.0	DTL	3Δ		0.0	12						-30	85	4	G04381	M200d
69	ITT325-1D	4			6.5	5 0	DTL	3†		0.0	12	250n△					-55	125	4	G04382	M200d
70	ITT325-5D	4			6 5	5.0	DTL	3†		0.0	12	220n△					-30	85	4	G04382	M200d
71	ITT326-1D	4			6.5	5.0	DTL	3†		0 0	12						-55	125	4	G04383	M200d
72	ITT326-5D	4			6.5	5 0	DTL	3†		0 0	12						-30	85	4	G04383	M200d
73	SN15301J	4		MON	6 5%	5.0*	DTL	5		0.0	13.5				378m%		-30	85	2	G04441	M153a
74	SN15301N	4		MON	6.5%	5.0*	DTL	5		0 0	13.5				378m%		-30	85	2	G04441	M117
75	SN15302J	4		MON	6.5%	5.0*	DTL	2		0 0	13.5				378m%		-30	85	4	G04380a	M153a
76	SN15302N	4		MON	6.5%	5 0*	DTL	2		0 0	13.5				378m%		-30	85	4	G04380a	M117
77	SN15303J	4		MON	6.5%	5.0*	DTL	2		0.0	13.5				459m%		-30	85	4	G04380	M153a
78	SN15303N	4		MON	6.5%	5.0*	DTL	2		0.0	13.5				459m%		-30	85	4	G04380	M117
79	SN15321J	4		MON	6 5%	5 0*	DTL	2		0.0	13.5				162m%		-30	85	4	G04442	M153a
80	SN15321N	4		MON	6.5%	5.0*	DTL	2		0.0	13.5				162m%		-30	85	4	G04442	M117
81	SN15322J	4		MON	6 5%	5 0*	DTL	5		0.0	13.5				81m%		-30	85	2	G04442	M153a
82	SN15322N	4		MON	6.5%	5.0*	DTL	5		0 0	13 5				81m%		-30	85	2	G04442	M117
83	SN15323J	4		MON	6.5%	5.0*	DTL	2		0.0	13.5				54m%		-30	85	4	G04442a	M153a
84	SN15323N	4		MON	6.5%	5.0*	DTL	2		0.0	13.5				54m%		-30	85	4	G04442a	M117
85	SN15324J	4		MON	6.5%	5.0*	DTL	2		0.0	13.5				216m%		-30	85	4	G04443	M153a
86	SN15324N	4		MON	6.5%	5.0*	DTL	2		0.0	13.5				216m%		-30	85	4	G04443	M117
87	SN15325J	4		MON	6.5%	5.0*	DTL	3†		0.0	13.5				162m%		-30	85	4	G04442	M153a
88	SN15325N	4		MON	6.5%	5.0*	DTL	3†		0.0	13.5				162m%		-30	85	4	G04442	M117
89	SN15326J	4		MON	6.5%	5.0*	DTL	3†		0.0	13.5				216m%		-30	85	4	G04443a	M153a
90	SN15326N	4		MON	6.5%	5.0*	DTL	3†		0 0	13.5				216m%		-30	85	4	G04443a	M117
91	SN15332J	4		MON	6.5%	5.0*	DTL	2†							175m%		-30	85	6	G04444	M153a
92	SN15332N	4		MON	6.5%	5.0*	DTL	2†							175m%		-30	85	6	G04444	M117
93	SN15333J	4		MON	6 5%	5.0*	DTL	2†		0.0	13.5				324m%		-30	85	6	G04444a	M153a
94	SN15333N	4		MON	6.5%	5.0*	DTL	2†		0.0	13.5				324m%		-30	85	6	G04444a	M117
95	MC14011AL	4		MOS	9.99%	01*†	DTL	2	50	0 0	10	50n△	75n	75n	1.0u		-55	125	4	G04433	TO116
96	MC14011CL,P%																				
		4		MOS	9.99%	01*†	DTL	2	50	0 0	10	60n△	110n	110n	10u		-40	85	4	G04433	TO116
97	MC14012AL	4		MOS	9 99%	.01*†	DTL	4	50	0.0	10	50n△	75n	75n	1.0u		-55	125	2	G04434	TO116
98	MC14012CL,P%																				
		4		MOS	9 99%	.01*†	DTL	4	50	0 0	10	50n△	110n	110n	10u		-40	85	2	G04434	TO116
99	324CJ	4	2 0M	MON	10.5	50†	DTL	3Δ	1	0 0	12	110n	100n	60n	160m	5 0 Δ	-30	85	4	G04381	M172
100	326CJ	4	2.0M	MON	10.5%	.50†	DTL	3†	1	0.0	12	110n	100n	60n	160m	5.0 Δ	-30	85	4	G04383	M172
101	303CJ	4	2.0M	MON	10.5%	.80†	DTL	3Δ	1	0.0	12	140n	160n	180n	400m	5.0 Δ	-30	85	4	G04380	M172
102	301CJ	4		MON	11.3	1 2†	DTL	6Δ		0 0	12	100n					-30	85	2	G04238	M172
103	321CJ	4		MON	11.3	1.2†	DTL	3Δ	5	0.0	12	220n△			384m	5.0 Δ	-30	85	4	G04236	M204
104	322CJ	4		MON	11.3	1 2†	DTL	6Δ	5	0 0	12	220n△			96m	5.0 Δ	-30	85	2	G04236	M172
105	325CJ	4	2.0M	MON	11 3	1.2†	DTL	3†	1	0 0	12	220n△	90n	70n	160m	5 0 Δ	-30	85	4	G04382	M172
106	HEPC0902P-RT																				
		4		MON	12.5%	1.5*†	DTL	2	10	0.0	15	125n			176m†		-30	75	4	G04323a	TO116

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	HEPC0904P-RT																				
		4		MON	12.5%	1.5*†	DTL	3	10	0.0	15	125n			132m†		-30	75	3	G04323b	TO116
2	HEPC0905P-RT																				
		4		MON	12 5%	1 5*†	DTL	5†	10	0 0	15	125n			88m†		-30	75	2	G04323	TO116
3	MC660L,P%	4		MON	13%	1 5*	DTL	5Δ	10	0 0	15	110n	20n	20n	75m†	5 0	-30	75	2	G04322	TO116
4	MC661L,P%	4		MON	13%	1 5*	DTL	5Δ	10	0 0	15	125n	20n	20n	75m†	5.0	-30	75	2	G04323	TO116
5	MC662L,P%	4		MON	13%	1 5*†	DTL	5Δ	30	0 0	15	140n			180m†	5.0	-30	75	2	G04362	TO116
6	MC668L,P%	4		MON	13%	1 5*†	DTL	2	10	0.0	15	125n			175m†		-30	75	4	G04352c	TO116
7	MC670L,P%	4		MON	13%	1 5*†	DTL	3	10	0.0	15	125n	20n	20n	132m†		-30	75	3	G04352d	TO116
8	MC671L,P%	4		MON	13%	1 5*†	DTL	3	10	0.0	15	110n	20n	20n	132m†		-30	75	3	G04362a	TO116
9	MC672L,P%	4		MON	13%	1 5*†	DTL	2	10	0 0	15	110n			176m†		-30	75	4	G04364	TO116
10#	TL660L	4		MON	13%	1.5†*	DTL	5Δ	10	0.0	15	110n	20n	20n	75m†	5.0	-30	75	2	G04322	M157a
11#	TL660P	4		MON	13%	1.5†*	DTL	5Δ	10	0.0	15	110n	20n	20n	75m†	5 0	-30	75	2	G04322	M114f
12#	TL661L	4		MON	13%	1 5†*	DTL	5Δ	10	0 0	15	125n	20n	20n	75m†	5 0	-30	75	2	G04323	M157a
13#	TL661P	4		MON	13%	1.5†*	DTL	5Δ	10	0 0	15	125n	20n	20n	75m†	5.0	-30	75	2	G04323	M114f
14#	TL662L	4		MON	13%	1.5†*	DTL	5Δ	30	0.0	15	140n			180m†	5 0	-30	75	2	G04362	M157a
15#	TL662P	4		MON	13%	1.5†*	DTL	5Δ	30	0 0	15	140n			180m†	5 0	-30	75	2	G04362	M114f
16#	TL668L	4		MON	13%	1 5†*	DTL	2	10	0.0	15	125n			175m†		-30	75	4	G04352c	M157a
17#	TL668P	4		MON	13%	1 5*†	DTL	2	10	0 0	15	125n			175m†		-30	75	4	G04352c	M114f
18#	TL670L	4		MON	13%	1 5†*	DTL	3	10	0 0	15	125n	20n	20n	132m†		-30	75	3	G04352d	M157a
19#	TL670P	4		MON	13%	1.5†*	DTL	3	10	0 0	15	125n	20n	20n	132m†		-30	75	3	G04352d	M114f
20#	TL671L	4		MON	13%	1.5†*	DTL	3	10	0.0	15	110n	20n	20n	132m†		-30	75	3	G04362a	M157a
21#	TL671P	4		MON	13%	1 5†*	DTL	3	10	0.0	15	110n	20n	20n	132m†		-30	75	3	G04362a	M114f
22#	TL672L	4		MON	13%	1 5†*	DTL	2	10	0.0	15	110n			176m†		-30	75	4	G04364	M157a
23#	TL672P	4		MON	13%	1 5†*	DTL	2	10	0 0	15	110n			176m†		-30	75	4	G04364	M114f
24	MC1048P	4		MON	-.75	-1 6	ECT	2	25	5 2	0 0	5.0n%			130m†		0	75	4	G043k	TO116
25	MC1248F	4		MON	-.75	-1.6	ECT	2	25	5.2	0 0	5.0n%			130m†		-55	125	4	G043k	TO86
26	MC1248L	4		MON	-.75	-1 6	ECT	2	25	5.2	0.0	5.0n%			130m†		-55	125	4	G043k	TO116
27	N1012A	4	65M		-.85	-1 8	ECT	2	25	5 2	0.0	4 5n	8 0n	8 0n	65m	400m	0	75			TO116
28#	SP410	4			-7 0%	- 79*	ECT	2	3	7 0	0.0	7.0nΔ	4.5n	4.5n		160m*	0	75	4	G0366f	M257a
29#	SP412	4			-7 0%	- 79*	ECT	2	3	7 0	0 0	7 0nΔ	4 5n	4.5n		160m*	0	75	4	G0366f	M257a
30	SN5161B	4		MON	30*		RCT	2	5	0 0	8.0	60n	70n	930n	8.0mΔ	200m	-55	125	3	G04193d	TO84
31	SNR5161	4		MON	30*	2 0%	RCT	2	5	0.0	8 0	55n	70n	930n	8.0mΔ	200m	-55	125	3	G043t	TO84
32	MC9714P	4	14M%	MON			RTL	2	5Δ	0.0	3.6				145m†		15	55	4	G04389	TO116
33	MC9814P	4	14M%	MON			RTL	2	5Δ	0 0	3 6				145m†		0	75	4	G04389	TO116
34	MC9724P	4		MON		23#*	RTL	2	4	0 0	3 6	50n%			80m†		15	55	4	G04389a	TO116
35	MC9824P	4		MON		25#*	RTL	2	4	0 0	3 6	50n%			80m†		0	75	4	G04389a	TO116
36#	GTB74S00P	4		MON			TTL	2	10	0.0	5.0	3.0n			37mΔ		0	70	4	G04377	
37#	GTB74S03P	4		MON			TTL	2	10	0 0	5 0	3 0n			37mΔ		0	70	4	G04377	
38#	GTB74S10P	4		MON			TTL	3	10	0.0	5 0	3.0n			37mΔ		0	70	3	G04377a	
39	HEPC3000P-RT																				
		4		MON			TTL	2	10	0.0	5.0	13n			40m				4	G04387	TO116
40	HEPC3001P-RT																				
		4		MON			TTL	2	10	0 0	5.0	35n			40m				4	G04387a	TO116
41	HEPC3010P-RT																				
		4					TTL	3	10	0 0	5 0	13n			30m				3		TO116
42	HEPC3040P-RT																				
		4					TTL	4	30	0.0	5 0	13n			50m				2		TO116
43	N8471A	4		MON		.35*†	TTL	3	9	0	5	150n		75n	17mΔ	1.4	0	75	3	G04342	TO116
44	N8471J	4		MON		.35*†	TTL	3	9	0	5	150n		75n	17mΔ	1 4	0	75	3	G04342	TO88
45	N8481A	4		MON		.35*†	TTL	2	9	0	5	150n		75n	17mΔ	1 4	0	75	4	G04342a	TO116
46	N8481F	4		MON		35†*	TTL	2	9	0 0	5 0	150n		75n	17mΔ	1.4	0	75	4	G04342a	M157
47	N8481J	4		MON		35*†	TTL	2	9	0	5	150n		75n	17mΔ	1 4	0	75	4	G04342a	TO88
48	S8471A	4		MON		.35*†	TTL	3	9	0	5	150n		75n	17mΔ	1 4	-55	125	3	G04342	TO116
49	S8471J	4		MON		35*†	TTL	3	9	0	5	150n		75n	17mΔ	1 4	-55	125	3	G04342	TO88
50	S8481A	4		MON		.35*†	TTL	2	9	0	5	150n		75n	17mΔ	1 4	-55	125	4	G04342a	TO116
51	S8481F	4		MON		.35†*	TTL	2	9	0 0	5 0	150n		75n	17mΔ	1 4	-55	125	4	G04342a	M157
52	S8481J	4		MON		35*†	TTL	2	9	0	5	150n		75n	17mΔ	1 4	-55	125	4	G04342a	TO88
53	MC3007F	4		MON		40*†	TTL	3	10	0 0	5 0	8 0n			66m†		0	75	3	G04386a	TO86
54	MC3007L,P%	4		MON		40*†	TTL	3	10	0 0	5 0	8.0n			66m†		0	75	3	G04386a	TO116
55	MC3012F	4		MON		40*†	TTL	4	10	0 0	5 0	8.0n			44m†		0	75	2	G04386b	TO86
56	MC3012L,P%	4		MON		40*†	TTL	4	10	0 0	5 0	8 0n			44m†		0	75	2	G04386b	TO116
57	MC3107F	4		MON		.40*†	TTL	3	10	0 0	5 0	8.0n			66m†		-55	125	3	G04386a	TO86
58	MC3107L	4		MON		40*†	TTL	3	10	0 0	5.0	8 0n			66m†		-55	125	3	G04386a	TO116
59	MC3112F	4		MON		40*†	TTL	4	10	0 0	5 0	8 0n			44m†		-55	125	2	G04386b	TO86
60	MC3112L	4		MON		.40*†	TTL	4	10	0 0	5 0	8.0n			44m†		-55	125	2	G04386b	TO116
61	N8881A	4		MON		40*†	TTL	2	20	0	5	25n%Δ		50n	31mΔ	600m	0	75	4	G04233a	TO116
62	N8881J	4		MON		40*†	TTL	2	20	0	5	25n%Δ		50n	31mΔ	600m	0	75	4	G04233a	TO88
63	S8881A	4		MON		40*†	TTL	2	20	0	5	25n%Δ		50n	31mΔ	600m	-55	125	4	G04233a	TO116
64	S8881J	4		MON		40*†	TTL	2	20	0	5	25n%Δ		50n	31mΔ	600m	-55	125	4	G04233a	TO88
65	SP352A	4		MON		60†*	TTL	5Δ	18	0 0	5 0	30n			84mΔ	600mΔ	0	75	2	G04435	TO116
66	SP358A	4		MON		60†*	TTL	2	40	0 0	5 0	50nΔ			92mΔ	300m*	0	75	4	G04436a	TO116
67	MM4611AD	4		MOS	.01*	5.0†	TTL	2		0 0	5 0	50n			500m	450m	-55	125	4	G04453	M297a
68	MM4612AD	4		MOS	01*	5.0†	TTL	4		0 0	5 0	50n			500m	450m	-55	125	2	G04454	M297a
69	MM4623AD	4		MOS	.01*	5.0†	TTL	3		0.0	5.0	50n			500m	450m	-55	125	3	G04455	M297a
70	MM5611AN	4		MOS	01*	5.0†	TTL	2		0.0	5.0	50n			500m	450m	-40	85	4	G04453	M126m
71	MM5612AN	4		MOS	01*	5 0†	TTL	4		0.0	5 0	50n			500m	450m	-40	85	2	G04454	M126m
72	MM5623AN	4		MOS	01*	5.0†	TTL	3		0.0	5.0	50n			500m	450m	-40	85	3	G04455	M126m
73	9002DM	4		MON	1 7%	90*	TTL	2	11	0 0	5 0	10nΔ			44m†		-55	125	4	G04345	M157
74	9002FM	4		MON	1.7%	90*	TTL	2	11	0 0	5.0	10nΔ			44m†		-55	125	4	G04345	FP28b
75	9003DM	4		MON	1 7%	90*	TTL	3	11	0 0	5.0	10nΔ			33m†		-55	125	3	G04345a	M157
76	9003FM	4		MON	1.7%	.90*	TTL	3	11	0 0	5 0	10nΔ			33m†		-55	125	3	G04345a	FP28b
77	9004DM	4		MON	1 7%	90*	TTL	4	11	0 0	5 0	10nΔ			22m†		-55	125	2	G04345b	M157
78	9004FM	4		MON	1 7%	90*	TTL	4	11	0.0	5 0	10nΔ			22m†		-55	125	2	G04345b	FP28b
79	9007DM	4		MON	1 7%	90*	TTL	8	11	0 0	5.0	10nΔ			11m†		-55	125	1	G04345c	M157
80	9007FM	4		MON	1 7%	90*	TTL	8	11	0 0	5 0	10nΔ			11m†		-55	125	1	G04345c	FP28b
81	9009DM	4		MON	1 7%	90*	TTL	4	33	0 0	5 0	15nΔ			22m†		-55	125	2	G04345b	FP28b
82	9009FM	4		MON	1 7%	90*	TTL	4	33	0.0	5.0	15nΔ			22m†		-55	125	2	G04345b	M157
83#	MIC9012-1D	4		MON	1.7%	.90*	TTL	2		0 0	5 0						-55	125	4		TO116
84	SNG320J	4		MON	1 7%	1.1*	TTL	3	11	0 0	5 0	6.0n			66m	1.0	-55	125	3	G0417b	M157b
85	SNG320W	4		MON	1 7%	1.1*	TTL	3	11	0 0	5 0	6.0n			66m	1.0	-55	125	3	G0417b	Δ004AF
86	SNG321J	4		MON	1 7%	1.1*	TTL	3	6	0.0	5 0	6 0n			66m	1.0	-55	125	3	G0417b	M157b
87	SNG321W	4		MON	1.7%	1 1*	TTL	3	6	0 0	5 0	6.0n			66m	1.0	-55	125	3	G0417b	Δ004AF
88	SNG322J	4		MON	1 7%	1 1*	TTL	3	9	0.0	5.0	6.0n			66m	1 0	0	75	3	G0417b	M157b
89	SNG322W	4		MON	1.7%	1.1*	TTL	3	9	0 0	5 0	6 0n			66m	1.0	0	75	3	G0417b	Δ004AF
90	SNG323J	4		MON	1 7%	1 1*	TTL	3	5	0 0	5.0	6.0n			66m	1.0	0	75	3	G0417b	M157b
91	SNG323W	4		MON	1 7%	1 1*	TTL	3	5	0 0	5 0	6.0n			66m	1.0	0	75	3	G0417b	Δ004AF
92	TRWG320#1	4	40M	MON	1.7%	1.1	TTL	3	11	0.0	5 0	6.0n			66m	1 0	-55	125	3	G0417b	M126
93	TRWG320#2	4	40M	MON	1.7%	1 1	TTL	3	11	0 0	5.0	6.0n			66m	1.0	-55	125	3	G0417b	M157
94	9002DC	4		MON	1 8%	.85*	TTL	2	10	0 0	5 0	13nΔ			44m†		0	75	4	G04345	M157
95	9002FC	4		MON	1.8%	.85*	TTL	2	10	0.0	5 0	13nΔ			44m†		0	75	4	G04345	FP28b
96	9003DC	4		MON	1.8%	.85*	TTL	3	10	0.0	5.0	13nΔ			33m†		0	75	3	G04345a	M157
97	9003FC	4		MON	1 8%	85*	TTL	3	10	0.0	5.0	13nΔ			33m†		0	75	3	G04345a	FP28b
98	9004DC	4		MON	1.8%	.85*	TTL	4	10	0.0	5 0	13nΔ			22m†		0	75	2	G04345b	M157
99	9004FC	4		MON	1.8%	.85*	TTL	4	10	0.0	5.0	13nΔ			22m†		0	75	2	G04345b	FP28b
100	9007DC	4		MON	1.8%	.85*	TTL	8	10	0.0	5 0	13nΔ			11m†		0	75	1	G04345c	M157
101	9007FC	4		MON	1.8%	.85*	TTL	8	10	0.0	5.0	13nΔ			11m†		0	75	1	G04345c	FP28b
102	9009DC	4		MON	1.8%	85*	TTL	4	30	0.0	5.0	17nΔ			22m†		0	75	2	G04345b	M157
103	9009FC	4		MON	1.8%	85*	TTL	4	30	0 0	5 0	17nΔ			22m†		0	75	2	G04345b	FP28b
104#	MIC9012-5D	4		MON	1.8%	.85*	TTL	2		0.0	5 0						-55	125	4		TO116

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1▼	SN29002J	4		MON	1.8%	.85*	TTL	2		0 0	5 0	15nΔ			27n%		0	75	4	G0414	M157b
2▼	SN29002N	4		MON	1.8%	.85*	TTL	2		0.0	5 0	15nΔ			27n%		0	75	4	G0414	M126e
3▼	SN29003J	4		MON	1.8%	.85*	TTL	3		0.0	5.0	15nΔ			27n%		0	75	3	G0414a	M157b
4▼	SN29003N	4		MON	1.8%	.85*	TTL	3		0.0	5.0	15nΔ			27n%		0	75	3	G0414a	M126e
5▼	SN29004J	4		MON	1.8%	.85*	TTL	4		0.0	5 0	15nΔ			27n%		0	75	2	G0414b	M157b
6▼	SN29004N	4		MON	1.8%	.85*	TTL	4		0.0	5.0	15nΔ			27n%		0	75	2	G0414b	M126e
7▼	SN29007J	4		MON	1.8%	.85*	TTL	8		0.0	5 0	15nΔ			27n%		0	75	1	G043ba	M157b
8▼	SN29007N	4		MON	1.8%	.85*	TTL	8		0.0	5.0	15nΔ			27n%		0	75	1	G043ba	M126e
9▼	SN29009J	4		MON	1.8%	.85*	TTL	4	60	0.0	5.0	17nΔ			68m%		0	75	2	G0414b	M157b
10▼	SN29009N	4		MON	1.8%	.85*	TTL	4	60	0.0	5 0	17nΔ			68m%		0	75	2	G0414b	M126e
11▼	SN29012J	4		MON	1.8%	.85*	TTL	2		0.0	5.0	45nΔ			47n%		0	75	4	G04399a	M157b
12▼	SN29012N	4		MON	1.8%	.85*	TTL	2		0.0	5 0	45nΔ			47n%		0	75	4	G04399a	M126e
13	TG320F	4		MON	1.8%	1.1*	TTL	3	11	0.0	5.0	10nΔ			66mt		-55	125	3	G04191a	TO86
14	TG320J	4		MON	1.8%	1.1*	TTL	3	11	0 0	5 0	10nΔ			66mt		-55	125	3	G04191a	M157c
15	TG321F	4		MON	1.8%	1.1*	TTL	3	11	0.0	5.0	10nΔ			66mt		-55	125	3	G04191a	TO86
16	TG321J	4		MON	1.8%	1.1*	TTL	3	11	0.0	5.0	10nΔ			66mt		-55	125	3	G04191a	M157c
17	TG322F	4		MON	1.8%	1.1*	TTL	3	11	0 0	5.0	10nΔ			66mt		-55	125	3	G04191a	TO86
18	TG322J	4		MON	1.8%	1.1*	TTL	3	11	0.0	5 0	10nΔ			66mt		-55	125	3	G04191a	M157c
19	TG323F	4		MON	1.8%	1.1*	TTL	3	11	0 0	5.0	10nΔ			66mt		-55	125	3	G04191a	TO86
20	TG323J	4		MON	1.8%	1.1*	TTL	3	11	0 0	5.0	10nΔ			66mt		-55	125	3	G04191a	M157c
21▼	RSN54L00H	4		MON	1.9%	.80*	TTL	2		0.0	5 0	60nΔ			2.2m%		-55	125	4	G04462	FP69b
22▼	RSN54L10H	4		MON	1.9%	.80*	TTL	3		0.0	5.0	60nΔ			2.2m%		-55	125	3	G04462a	FP69b
23▼	RSN54L20H	4		MON	1.9%	.80*	TTL	4		0.0	5.0	60nΔ			2 2m%		-55	125	2	G04462b	FP69b
24▼	RSN54L130H	4		MON	1.9%	.80*	TTL	3		0 0	5 0				2.2m%		-55	125	2	G04462e	FP69b
25▼	RSN54L131H	4		MON	1.9%	.80*	TTL	4		0.0	5.0				2 2m%		-55	125	2	G04463	FP69b
26	MIC9002-5B	4		MON	1.9%	.85	TTL	2	10	0	5.5						0	75	4	G04345	TO86
27	MIC9002-5D	4		MON	1.9%	.85	TTL	2	10	0	5 5						0	75	4	G04345	TO116
28	MIC9003-5B	4		MON	1.9%	.85*	TTL	3	10	0	5.5						0	75	3	G04345a	TO86
29	MIC9003-5D	4		MON	1.9%	.85*	TTL	3	10	0	5.5						0	75	3	G04345a	TO116
30	MIC9004-5B	4		MON	1.9%	.85*	TTL	4	10	0	5.5						0	75	2	G04345b	TO86
31	MIC9004-5D	4		MON	1.9%	.85*	TTL	4	10	0	5.5						0	75	2	G04345b	TO116
32	MIC9007-5B	4		MON	1.9%	.85*	TTL	8	10	0	5.5						0	75	1	G04345c	TO86
33	MIC9007-5D	4		MON	1.9%	.85*	TTL	8	10	0	5 5						0	75	1	G04345c	TO116
34	MIC9009-5B	4		MON	1.9%	.85*	TTL	4	30	0	5 5						0	75	2	G04345b	TO86
35	MIC9009-5D	4		MON	1.9%	.85*	TTL	4	30	0	5 5						0	75	2	G04345b	TO116
36	MIC9016-5B	4		MON	1.9%	.85*	TTL	1	10	0	5.5						0	75	6	G04345d	TO86
37	MIC9016-5D	4		MON	1.9%	.85*	TTL	1	10	0	5.5						0	75	6	G04345d	TO116
38#	MIC9017-5D	4		MON	1.9%	.85*	TTL	1	10	0 0	5.5						0	75	6		
39▼	566BT	4		PCB	2.0%	.45*	TTL	5	10	0 0	7 0	15n%			240mt		0	70	4		CB62
40▼	566HT	4		PCB	2 0%	.45*	TTL	5	12	0.0	7 0	10n%			500mt		0	70	4		CB62
41▼	566T	4		PCB	2 0%	.45*	TTL	5	10	0.0	7.0	13n%			240mt		0	70	4		CB62
42▼	502T	4	20M	PCB	2 0%	.45*	TTL	2	10	0.0	7.0	13n%	2 5nt	1 5nt	120mt		0	70	12		CB62
43▼	503AT	4	20M	PCB	2.0%	.45*	TTL	3	30	0 0	7 0	13n%	8.0nt	5 0nt	250mt		0	70	10		CB62
44▼	503T	4	20M	PCB	2.0%	.45*	TTL	3	10	0 0	7 0	13n%	8.0nt	5.0nt	100mt		0	70	10		CB62
45▼	504AT	4	20M	PCB	2.0%	.45*	TTL	4	30	0.0	7.0	13n%	8 0nt	5 0nt	200mt		0	70	8		CB62
46▼	504T	4	20M	PCB	2.0%	.45*	TTL	4	10	0.0	7.0	13n%	8 0nt	5 0nt	80mt		0	70	8		CB62
47▼	507T	4	20M	PCB	2 0%	45*	TTL	2	30	0.0	7 0	13n%	2.5nt	1.5nt	300mt		0	70	12		CB62
48▼	508T	4	20M	PCB	2 0%	45*	TTL	8	10	0.0	7 0	13n%			40mt		0	70	4		CB62
49▼	5512	4	40M	PCB	2 0%	.45*	TTL	2	12	0.0	7 0	6 0n%	2.0nt	2.5nt	264mt		0	70	12		CB62
50▼	5515	4	40M	PCB	2 0%	.45*	TTL	4	12	0.0	7.0	6 0n%	2.0nt	2.5nt	176mt		0	70	8		CB62
51▼	5515B	4	40M	PCB	2.0%	.45*	TTL	4	25	0.0	7.0	6.0n%	2.0nt	2.5nt	280mt		0	70	8		CB62
52▼	5517	4	40M	PCB	2 0%	45*	TTL	2	25	0.0	7 0	6.0n%	2.0nt	2 5nt	120mt		0	70	12		CB62
53▼#	MIC74L03J	4		MON	2 0%	.60*	TTL	2	10	0.0	5.0	90nΔ			1 0mt	1.0 Δ	0	75	4	G04425d	TO116
54#	SFC403LE	4		MON	2 0%	.60*	TTL	2	10	0.0	5.0	90nΔ			1.0mt	1 0 Δ	0	70	4		TO116
55#	SFC403LEM	4		MON	2 0%	.60*	TTL	2	10	0.0	5.0	90nΔ			1.0mt	1 0 Δ	-55	125	4		TO116
56	SN54L01T	4		MON	2 0%	.60*	TTL	2	10	0.0	5.0	90nΔ			1 0mt	1.0 Δ	-55	125	4	G04425c	FP52e
57	SN54L03J	4		MON	2 0%	.60*	TTL	2	10	0.0	5.0	90nΔ			1.0mt	1.0 Δ	-55	125	4	G04425d	M157b
58	SN54L03N	4		MON	2.0%	60*	TTL	2	10	0.0	5 0	90nΔ			1 0mt	1.0 Δ	-55	125	4	G04425d	M126e
59	SN74L01T	4		MON	2 0%	60*	TTL	2	10	0.0	5 0	90nΔ			1.0mt	1 0 Δ	0	70	4	G04425c	FP52e
60	SN74L03J	4		MON	2.0%	.60*	TTL	2	10	0 0	5 0	90nΔ			1 0mt	1.0 Δ	0	70	4	G04425d	M157b
61	SN74L03N	4		MON	2.0%	.60*	TTL	2	10	0.0	5.0	90nΔ			1.0mt	1.0 Δ	0	70	4	G04425d	M126e
62▼	BL54L00Y	4		MON	2.0%	70*	TTL	4		0.0	5 0	60nΔ			1.4m%		-55	125	4	G04466	FC7
63▼	BL54L20Y	4		MON	2 0%	.70*	TTL	4		0 0	5 0	60nΔ			1 4m%		-55	125	2	G04466a	FC7
64▼	BL54L30Y	4		MON	2 0%	.70*	TTL	8		0.0	5.0	100nΔ			1 4m%		-55	125	1	G04467	FC7
65▼	BL74L00Y	4		MON	2.0%	70*	TTL	4		0.0	5.0	60nΔ			1.4m%		0	70	4	G04466	FC7
66▼	BL74L20Y	4		MON	2 0%	.70*	TTL	4		0.0	5.0	60nΔ			1.4m%		0	70	2	G04466a	FC7
67▼	BL74L30Y	4		MON	2.0%	.70*	TTL	8		0.0	5.0	100nΔ			1 4m%		0	70	1	G04467	FC7
68▼	BL5401Y	4		MON	2.0%	.70*	TTL	2		0 0	5.0	45nΔ			60m%		-55	125	4	G04330e	FC7
69▼	BL7401Y	4		MON	2 0%	.70*	TTL	2		0.0	5.0	45nΔ			60m%		0	70	4	G04330e	FC7
70▼	JANM38510/02001BAA	4		MON	2.0%	70*	TTL	8	10	0 0	5.5	154nΔ			4.0m		-55	125	1	G04440	FP52d
71▼	JANM38510/02001BAC	4																			
72	JANM38510/02001BCB	4		MON	2 0%	70*	TTL	8	10	0.0	5.5	154nΔ			4.0m		-55	125	1	G04440	FP52d
73▼	JANM38510/02001BDB	4		MON	2.0%	.70*	TTL	8	10	0.0	5.5	154nΔ			4.0m		-55	125	1	G04440	M314
74▼	JANM38510/02001CAA	4		MON	2.0%	.70*	TTL	8	10	0.0	5 5	154mΔ			4 0m		-55	125	1	G04440	FP83
75▼	JANM38510/02001CAC	4		MON	2 0%	.70*	TTL	8	10	0.0	5 5	154nΔ			4.0m		-55	125	1	G04440	FP52d
76	JANM38510/02001CCB	4		MON	2.0%	70*	TTL	8	10	0.0	5.5	154nΔ			4.0m		-55	125	1	G04440	FP52d
77▼	JANM38510/02001CDB	4		MON	2.0%	.70*	TTL	8	10	0.0	5.5	154nΔ			4.0m		-55	125	1	G04440	M314
78▼	JANM38510/02002BAA	4		MON	2.0%	.70*	TTL	4	10	0.0	5.5	99nΔ			8.0m		-55	125	2	G04440a	FP52d
79▼	JANM38510/02002BAC	4		MON	2.0%	70*	TTL	4	10	0.0	5.5	99nΔ			8.0m		-55	125	2	G04440a	FP52d
80	JANM38510/02002BCB	4		MON	2 0%	.70*	TTL	4	10	0.0	5.5	99nΔ			8.0m		-55	125	2	G04440a	M314
81▼	JANM38510/02002BDB	4		MON	2.0%	70*	TTL	4	10	0.0	5.5	99nΔ			8 0m		-55	125	2	G04440a	FP83
82▼	JANM38510/02002CAA	4		MON	2.0%	.70*	TTL	4	10	0.0	5.5	99nΔ			8.0m		-55	125	2	G04440a	FP52d
83▼	JANM38510/02002CAC	4		MON	2.0%	.70*	TTL	4	10	0 0	5 5	99nΔ			8.0m		-55	125	2	G04440a	FP52d
84	JANM38510/02002CCB	4		MON	2.0%	.70*	TTL	4	10	0 0	5 5	99nΔ			8.0m		-55	125	2	G04440a	M314
85▼	JANM38510/02002CDB	4		MON	2 0%	.70*	TTL	4	10	0.0	5.5	99nΔ			8 0m		-55	125	2	G04440a	FP83
86▼	JANM38510/02003BAA	4		MON	2.0%	.70*	TTL	3	10	0 0	5 5	99nΔ			12m		-55	125	3	G04440b	FP52d
87▼	JANM38510/02003BAC	4		MON	2 0%	70*	TTL	3	10	0.0	5 5	99nΔ			12m		-55	125	3	G04440b	FP52d
88	JANM38510/02003BCB	4		MON	2.0%	70*	TTL	3	10	0 0	5 5	99nΔ			12m		-55	125	3	G04440b	M314
89▼	JANM38510/02003BDB	4		MON	2.0%	70*	TTL	3	10	0 0	5 5	99nΔ			12m		-55	125	3	G04440b	FP83

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1▼	JANM38510/02003CAA	4		MON	2.0%	.70*	TTL	3	10	0 0	5.5	99nΔ			12m		-55	125	3	G04440b	FP52d
2▼	JANM38510/02003CAC	4		MON	2.0%	70*	TTL	3	10	0.0	5 5	99nΔ			12m		-55	125	3	G04440b	FP52d
3	JANM38510/02003CCB	4		MON	2 0%	70*	TTL	3	10	0.0	5.5	99nΔ			12m		-55	125	3	G04440b	M314
4▼	JANM38510/02003CDB	4		MON	2 0%	.70*	TTL	3	10	0 0	5 5	99nΔ			12m		-55	125	3	G04440b	FP83
5▼	JANM38510/02004BAA	4		MON	2 0%	70*	TTL	2	10	0 0	5.5	99nΔ			16m		-55	125	4	G04440c	FP52d
6▼	JANM38510/02004BAC	4		MON	2.0%	.70*	TTL	2	10	0.0	5 5	99nΔ			16m		-55	125	4	G04440c	FP52d
7	JANM38510/02004BCB	4		MON	2.0%	70*	TTL	2	10	0.0	5 5	99nΔ			16m		-55	125	4	G04440c	M314
8▼	JANM38510/02004BDB	4		MON	2 0%	70*	TTL	2	10	0.0	5 5	99nΔ			16m		-55	125	4	G04440c	FP83
9▼	JANM38510/02004CAA	4		MON	2.0%	.70*	TTL	2	10	0 0	5 5	99nΔ			16m		-55	125	4	G04440c	FP52d
10▼	JANM38510/02004CAC	4		MON	2 0%	70*	TTL	2	10	0 0	5.5	99nΔ			16m		-55	125	4	G04440c	FP52d
11	JANM38510/02004CCB	4		MON	2 0%	.70*	TTL	2	10	0.0	5 5	99nΔ			16m		-55	125	4	G04440c	M314
12▼	JANM38510/02004CDB	4		MON	2.0%	70*	TTL	2	10	0.0	5 5	99nΔ			16m		-55	125	4	G04440c	FP83
13	JANM38510/02006BCB	4		MON	2.0%	70*	TTL	2	10	0.0	5 5	140nΔ			16m		-55	125	4	G04330b	M314
14	JANM38510/02006CCB	4		MON	2.0%	70*	TTL	2	10	0 0	5.5	140nΔ			16m		-55	125	4	G04330b	M314
15▼#	MIC74L00J	4		MON	2.0%	70*	TTL	2	10	0 0	5.0	60nΔ			1.0mt	1 0 Δ	0	75	4	G0414	TO116
16▼#	MIC74L10J	4		MON	2.0%	.70*	TTL	3	10	0.0	5 0	60nΔ			1 0mt	1.0 Δ	0	75	3	G0414a	TO116
17▼#	MIC74L20J	4		MON	2.0%	.70*	TTL	4	10	0.0	5 0	60nΔ			1.0mt	1.0 Δ	0	75	2	G0414b	TO116
18▼#	MIC74L30J	4		MON	2 0%	70*	TTL	8	10	0.0	5.0	60nΔ			1.0mt	1.0 Δ	0	75	1	G0414c	TO116
19	NC74L00N	4		MON	2 0%	70*	TTL			0 0	5 0	60n			4.0mt	1 0 Δ	0	70	4	G0414	TO116
20	NC74L10N	4		MON	2.0%	70*	TTL	3	10	0 0	5 0	600nΔ			3 0mt	1 0 Δ	0	70	3	G0414a	TO116
21	NC74L30N	4		MON	2.0%	70*	TTL	8	10	0.0	5.0	100nΔ			1 7mt	1.0 Δ	0	70	1	G0414c	TO116
22#	SFC400LE	4		MON	2.0%	70*	TTL	2	10	0 0	5 0	60nΔ			1.0mt	1 0 Δ	0	70	4	G0414	TO116
23#	SFC400LEM	4		MON	2.0%	70*	TTL	2	10	0.0	5 0	60nΔ			1.0mt	1 0 Δ	-55	125	4	G0414	TO116
24#	SFC400LPM	4		MON	2 0%	70*	TTL	2	10	0 0	5 0	60nΔ			1 0mt	1 0 Δ	-55	125	4	G0414	TO85
25#	SFC410LE	4		MON	2 0%	.70*	TTL	3	10	0.0	5.0	60nΔ			1 0mt	1.0 Δ	0	70	3	G0414a	TO116
26#	SFC410LEM	4		MON	2.0%	70*	TTL	3	10	0 0	5.0	60nΔ			1.0mt	1 0 Δ	-55	125	3	G0414a	TO116
27#	SFC410LPM	4		MON	2.0%	70*	TTL	3	10	0 0	5 0	60nΔ			1.0mt	1 0 Δ	-25	85	3	G0414a	TO116
28#	SFC420LE	4		MON	2.0%	.70*	TTL	4	10	0 0	5.0	60nΔ				1 0mt	0	70	2	G0414b	TO116
29#	SFC420LEM	4		MON	2 0%	.70*	TTL	4	10	0 0	5.0	60nΔ				1.0mt	-55	125	2	G0414b	TO116
30#	SFC430LEM	4		MON	2 0%	.70*	TTL	8	10	0.0	5.0	60nΔ			1 0mt	1.0 Δ	-55	125	1	G0414c	TO116
31	SN54L00J	4		MON	2.0%	.70*	TTL	2	10	0 0	5 0	60nΔ			1 0mt	1.0 Δ	-55	125	4	G0414	M157b
32	SN54L00N	4		MON	2.0%	70*	TTL	2	10	0 0	5.0	60nΔ			1 0mt	1 0 Δ	-55	125	4	G0414	M126e
33	SN54L00T	4		MON	2 0%	.70*	TTL	2	10	0.0	5.0	60nΔ			1.0mt	1.0 Δ	-55	125	4	G0414	FP52e
34	SN54L10J	4		MON	2.0%	70*	TTL	3	10	0.0	5 0	60nΔ			1.0mt	1.0 Δ	-55	125	3	G0414a	M157b
35	SN54L10N	4		MON	2 0%	70*	TTL	3	10	0 0	5.0	60nΔ			1 0mt	1 0 Δ	-55	125	3	G0414a	M126e
36	SN54L10T	4		MON	2 0%	70*	TTL	3	10	0 0	5 0	60nΔ			1 0mt	1 0 Δ	-55	125	3	G0414a	FP52e
37	SN54L20J	4		MON	2 0%	70*	TTL	4	10	0 0	5 0	60nΔ			1.0mt	1.0 Δ	-55	125	2	G0414b	M157b
38	SN54L20N	4		MON	2 0%	.70*	TTL	4	10	0.0	5 0	60nΔ			1 0mt	1 0 Δ	-55	125	2	G0414b	M126e
39	SN54L20T	4		MON	2 0%	70*	TTL	4	10	0 0	5 0	60nΔ			1 0mt	1.0 Δ	-55	125	2	G0414b	FP52e
40	SN54L30J	4		MON	2 0%	.70*	TTL	8	10	0.0	5 0	100nΔ			1.0mt	1.0 Δ	-55	125	1	G0414c	M157b
41	SN54L30N	4		MON	2.0%	70*	TTL	8	10	0 0	5 0	100nΔ			1.0mt	1.0 Δ	-55	125	1	G0414c	M126e
42	SN54L30T	4		MON	2 0%	70*	TTL	8	10	0.0	5.0	100nΔ			1 0mt	1 0 Δ	-55	125	1	G0414c	FP52e
43	SN74L00J	4		MON	2.0%	.70*	TTL	2	10	0 0	5 0	60nΔ			1.0mt	1.0 Δ	0	70	4	G0414	M157b
44	SN74L00N	4		MON	2 0%	70*	TTL	2	10	0.0	5 0	60nΔ			1.0mt	1 0 Δ	0	70	4	G0414	M126e
45	SN74L00T	4		MON	2 0%	.70*	TTL	2	10	0 0	5.0	60nΔ			1 0mt	1.0 Δ	0	70	4	G0414	FP52e
46	SN74L10J	4		MON	2 0%	70*	TTL	3	10	0.0	5.0	60nΔ			1 0mt	1 0 Δ	0	70	3	G0414a	M157b
47	SN74L10N	4		MON	2 0%	70*	TTL	3	10	0 0	5 0	60nΔ			1 0mt	1.0 Δ	0	70	3	G0414a	M126e
48	SN74L10T	4		MON	2.0%	.70*	TTL	3	10	0 0	5 0	60nΔ			1.0mt	1.0 Δ	0	70	3	G0414a	FP52e
49	SN74L20J	4		MON	2.0%	.70*	TTL	4	10	0 0	5 0	60mΔ			1.0mt	1.0 Δ	0	70	2	G0414b	M157b
50	SN74L20N	4		MON	2.0%	.70*	TTL	4	10	0.0	5 0	60nΔ			1.0mt	1.0 Δ	0	70	2	G0414b	M126e
51	SN74L20T	4		MON	2.0%	.70*	TTL	4	10	0 0	5 0	60nΔ			1.0mt	1.0 Δ	0	70	2	G0414b	FP52e
52	SN74L30J	4		MON	2.0%	70*	TTL	8	10	0.0	5 0	60nΔ			1.0mt	1.0 Δ	0	70	1	G0414c	M157b
53	SN74L30N	4		MON	2 0%	70*	TTL	8	10	0.0	5 0	60nΔ			1 0mt	1.0 Δ	0	70	1	G0414c	M126e
54	SN74L30T	4		MON	2 0%	70*	TTL	8	10	0 0	5 0	60nΔ			1.0mt	1.0 Δ	0	70	1	G0414c	FP52e
55▼	BL5400Y	4		MON	2.0%	80*	TTL	3		0.0	5 0	22nΔ			15m%		-55	125	4	G04387p	FC7
56▼	BL5410Y	4		MON	2 0%	80*	TTL	3		0.0	5 0	22nΔ			15m%		-55	125	3	G04387q	FC7
57▼	BL7400Y	4		MON	2 0%	.80*	TTL	3		0.0	5 0	22nΔ			15m%		0	70	4	G04387p	FC7
58▼	BL7410Y	4		MON	2 0%	80*	TTL	3		0 0	5.0	22nΔ			15m%		0	70	3	G04387q	FC7
59#	FJH101	4		MON	2 0%	80*	TTL	8	10	0.0	5.0	13n			10mt	400m	0	70	1	G0414c	TO116
60#	FJH101-7430	4		MON	2 0%	.80*	TTL	8	10	0.0	5.0	11n%			10mt	1 0 Δ	0	70	1	G0414c	M126f
61#	FJH102A	4		MON	2 0%	.80*	TTL	8	10	0.0	5.0	13n			10m	1 0 Δ	-55	125	1	G0414h	TO116
62#	FJH111	4		MON	2.0%	.80*	TTL	4	10	0 0	5.0	13n			20mt	400m	0	70	2	G0414b	TO116
63#	FJH111-7420	4		MON	2 0%	80*	TTL	4	10	0 0	5 0	11n%			20mt	1.0 Δ	0	70	2	G0414b	M126f
64#	FJH112A	4		MON	2.0%	80*	TTL	4	10	0.0	5 0	13n			20m	1.0 Δ	-55	125	2	G0414d	TO116
65#	FJH121	4		MON	2.0%	.80*	TTL	3	10	0 0	5 0	13n			30mt	400m	0	70	3	G0414a	TO116
66#	FJH121-7410	4		MON	2.0%	.80*	TTL	3	10	0 0	5 0	11n%			30mt	1 0 Δ	0	70	3	G0414a	M126f
67#	FJH122A	4		MON	2 0%	.80*	TTL	3	10	0.0	5 0	13n			30m	1.0 Δ	-55	125	3	G0414f	TO116
68#	FJH131	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	13n			40mt	400m	0	70	4	G0414	TO116
69#	FJH131-7400	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	11n%			40mt	1.0 Δ	0	70	4	G0414	M126f
70#	FJH132A	4		MON	2 0%	80*	TTL	2	10	0.0	5.0	13n			40m	1.0 Δ	-55	125	4	G0414e	TO116
71#	FJH141	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	13n			52mt	400m	0	70	2	G0415b	TO116
72#	FJH141-7440	4		MON	2.0%	.80*	TTL	4	30	0 0	5 0	11n%			53mt	1 0 Δ	0	70	2	G0415b	M126f
73#	FJH142A	4		MON	2.0%	80*	TTL	4	10	0.0	5 0	13n			53m	1.0 Δ	-55	125	2	G0415m	TO116
74#	FJH231	4		MON	2 0%	.80*	TTL	2	10	0.0	5 0	45nΔ			40mt	400m	0	70	4	G04233a	TO116
75#	FJH231-7401	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22n%			30mt	1.0 Δ	0	70	4	G04233e	M126f
76#	FJH232A	4		MON	2.0%	.80*	TTL	2	10	0.0	5 0	30n			40m	1.0 Δ	-55	125	4	G04233e	TO116
77#	FJH291	4		MON	2.0%	.80*	TTL	2	10	0 0	5 0	45nΔ			40mt	400m	0	70	4	G04399a	TO116
78#	FJH291-7403	4		MON	2.0%	80*	TTL	2	10	0 0	5 0	22n%			30mt	1.0 Δ	0	70	4	G04233b	M126f
79#	FJH301	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40mt	400m	0	70	4	G04342a	TO116
80#	FJH301-7426	4		MON	2 0%	80*	TTL	2	10	0 0	5 0	22n%			10mt	1 0 Δ	0	70	4	G04233b	M126f
81#	FJH311	4		MON	2 0%	80*	TTL	2	10	0.0	5.0	45nΔ			40mt	400m	0	70	4	G04233a	TO116
82#	FJH311-7401	4		MON	2 0%	80*	TTL	2	10	0.0	5.0	22n%			10mt	1.0 Δ	0	70	4	G04233e	M126f
83#	FJH311-7401S1	4		MON	2 0%	80*	TTL	2	10	0 0	5 0	22n%			10mt	1.0 Δ	0	70	4	G04233e	M126f
84#	FLH101-7400	4		MON	2.0%	80*	TTL	2	10	0 0	5 0	15n%		4.0nt	75mt	1.0 Δ	0	70	4	G0415j	M126p
85#	FLH105-8400	4		MON	2 0%	80*	TTL	2	10	0 0	5 0	15n%		4 0nt	75mt	1.0 Δ	-25	85	4	G0415j	M126p
86#	FLH111-7410	4		MON	2 0%	80*	TTL	3	10	0 0	5 0	15n%		4 0nt	56mt	1.0 Δ	0	70	3	G0415c	M126p
87#	FLH115-8410	4		MON	2 0%	80*	TTL	3	10	0.0	5 0	15n%		4 0nt	56mt	1.0 Δ	-25	85	3	G0415c	M126p
88#	FLH121-7420	4		MON	2 0%	80*	TTL	4	10	0 0	5 0	15n%		4.0nt	75mt	1.0 Δ	0	70	2	G0415m	M126p
89#	FLH125-8420	4		MON	2 0%	80*	TTL	4	10	0.0	5 0	15n%		4 0nt	75mt	1 0 Δ	-25	85	2	G0415m	M126p
90#	FLH131-7430	4		MON	2.0%	80*	TTL	8	10	0 0	5.0	15n%		4 0nt	30mt	1.0 Δ	0	70	1	G0415p	M126p
91#	FLH135-8430	4		MON	2.0%	80*	TTL	8	10	0.0	5 0	15n%		4 0nt	30mt	1 0 Δ	-25	85	1	G0415p	M126p
92#	FLH141-7440	4		MON	2.0%	.80*	TTL	4	30	0 0	5 0	15n%		4.0nt	77mt	1 0 Δ	0	70	2	G0415m	M126p
93#	FLH145-8440	4		MON	2.0%	80*	TTL	4	30	0.0	5 0	15n%		4 0mt	77mt	1.0 Δ	-25	85	2	G0415m	M126p
94#	FLH201-7401	4		MON	2 0%	80*	TTL	2	10	0 0	5 0	27n%			75mt	1 0 Δ	0	70	4	G04233e	M126p
95#	FLH205-8401	4		MON	2.0%	80*	TTL	2	10	0 0	5 0	27n%			75mt	1.0 Δ	-25	85	4	G04233e	M126p

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	[6] TYPE No.	[1] TYPE OF GATE	[5] MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL [3] '1' (V)	LOGIC LEVEL [4] '0' (V)	LOGIC TYPE [2]	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1#	FLH291-7403	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	35n%			75mt	1.0 Δ	0	70	4	G04233b	M126p
2#	FLH291U7426	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	24nΔ			110mŞ		0	70	4	G04233b	M126p
3#	FLH295-8403	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	35n%			75mt	1.0 Δ	-25	85	4	G04233b	M126p
4#	FLH295U8426	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	24nΔ			110mŞ		-25	85	4	G04233b	M126p
5#	FLH321-4930	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			175mt	1.0 Δ	0	70	4	G0415n	M126p
6#	FLH325-49830																				
		4		MON	2.0%	80*	TTL	2	30	0.0	5.0	22nΔ			175mt	1.0 Δ	-25	85	4	G0415n	M126p
7#	FLH331-4931	4		MON	2.0%	80*	TTL	5	10	0.0	5.0	22nΔ			40mt	1.0 Δ	0	70	2	G04424	M126p
8#	FLH335-49831																				
		4		MON	2.0%	.80*	TTL	5	10	0.0	5.0	22nΔ			40mt	1.0 Δ	-25	85	2	G04424	M126p
9#	FLH501-7412	4		MON	2.0%	80*	TTL	3	10	0.0	5.0	30n%			56mt	1.0 Δ	0	70	3	G04450e	M126p
10#	FLH505-8412	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	30n%			56mt	1.0 Δ	-25	85	3	G04450e	M126p
11#	FLH531-7437	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			173mt	1.0 Δ	0	70	4	G04388b	M126p
12#	FLH535-8437	4		MON	2.0%	80*	TTL	2	30	0.0	5.0	22nΔ			173mt	1.0 Δ	-25	85	4	G04388b	M126p
13#	FLH541-7438	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			173mt	1.0 Δ	0	70	4	G04387c	M126p
14#	FLH545-8438	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			173mt	1.0 Δ	-25	85	4	G04387c	M126p
15#	FLH611-7422	4		MON	2.0%	.80*	TTL	4		0.0	5.0	45nΔ			75mt	1.0 Δ	0	70	2	G04399	M126p
16#	FLH615-8422	4		MON	2.0%	.80*	TTL	4		0.0	5.0	45nΔ			75mt	1.0 Δ	-25	85	2	G04399	M126p
17#	GJH101	4			2.0%	80*	TTL	8	10	0.0	5.0	13nΔ			23mt	400m	0	70	1	G03250e	M126n
18#	GJH111	4			2.0%	.80*	TTL	4	10	0.0	5.0	13nΔ			46mt	400m	0	70	2	G03250	M126n
19#	GJH121	4			2.0%	.80*	TTL	3	10	0.0	5.0	13nΔ			69mt	400m	0	70	3	G03250b	M126n
20#	GJH131	4			2.0%	.80*	TTL	2	10	0.0	5.0	13nΔ			92mt	400m	0	70	4	G03250a	M126n
21#	GJH141	4			2.0%	.80*	TTL	4	30	0.0	5.0	12nΔ			92mt	400m	0	70	2	G03250	M126n
22#	GJH231	4			2.0%	.80*	TTL	2	10	0.0	5.0	18nΔ			86mt	400m*	0	70	4	G04330d	M126n
23	I756	4		PCB	2.0	.80	TTL	2	10	0.0	5.0	45n			160m	1.0	0	70	16		CBØ
24	ITT5400J	4			2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			40mt		-55	125	4	G04358f	M157
25	ITT5401J	4			2.0%	.80*	TTL	2		0.0	5.0	30nΔ			40mt		-55	125	4	G04387a	M157
26	ITT5410J	4			2.0%	.80*	TTL	3	10	0.0	5.0	22nΔ			30mt		-55	125	3	G04358h	M157
27	ITT5420J	4			2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			20mt		-55	125	2	G04358k	M157
28	ITT5430J	4			2.0%	80*	TTL	8	10	0.0	5.0	22nΔ			10mt		-55	125	1	G04358n	M157
29	ITT5440J	4			2.0%	.80*	TTL	4	30	0.0	5.0	22nΔ			20mt		-55	125	2	G04388a	M157
30	ITT7400J	4			2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			40mt		0	70	4	G04358f	M157
31	ITT7401J	4			2.0%	.80*	TTL	2		0.0	5.0	30nΔ			40mt		0	70	4	G04387a	M157
32	ITT7403J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45n%			40mt	1.0 Δ	0	70	4	G04399a	M157
33	ITT7410J	4			2.0%	.80*	TTL	3	10	0.0	5.0	22nΔ			30mt		0	70	3	Go4358h	M157
34	ITT7420J	4			2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			20mt		0	70	2	G04358k	M157
35	ITT7430J	4			2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ			10mt		0	70	1	G04358n	M157
36	ITT7440J	4			2.0%	.80*	TTL	4	30	0.0	5.0	22nΔ			20mt		0	70	2	G04388a	M157
37#	M5310P	4		MON	2.0%	.80*	TTL	8	10	0.0	7.0	13n%			10mt	1.0 Δ	0	75	1	G04273	M105j
38#	M5320P	4		MON	2.0%	.80*	TTL	4	10	0.0	7.0	13n%			10mt	1.0 Δ	0	75	2	G04273a	M105j
39#	M5325P	4		MON	2.0%	.80*	TTL	4	30	0.0	7.0	13n%			24mt	1.0 Δ	0	75	2	G0415d	M105j
40#	M5330P	4		MON	2.0%	.80*	TTL	3	10	0.0	7.0	13n%			10mt	1.0 Δ	0	75	3	G04273b	M105j
41#	M5340P	4		MON	2.0%	.80*	TTL	2	10	0.0	7.0	13n%			10mt	1.0 Δ	0	75	4	G04273c	M105j
42	JANM38510/00101BAA	4		MON	2.0%	80*	TTL	8	10	0.0	5.5	25nΔ			40m		-55	125	1	G04430	FP52d
43	JANM38510/00101BAB	4		MON	2.0%	.80*	TTL	8	10	0.0	5.5	25nΔ			40m		-55	125	1	G04430	FP52d
44	JANM38510/00101BAC																				
		4		MON	2.0%	80*	TTL	8	10	0.0	5.5	25nΔ			40m		-55	125	1	G04430	FP52d
45	JANM38510/00101BCA	4		MON	2.0%	.80*	TTL	8	10	0.0	5.5	25nΔ			40m		-55	125	1	G04430e	M314
46	JANM38510/00101BCB	4		MON	2.0%	80*	TTL	8	10	0.0	5.5	25nΔ			40m		-55	125	1	G04430e	M314
47	JANM38510/00101BCC	4		MON	2.0%	80*	TTL	8	10	0.0	5.5	25nΔ			40m		-55	125	1	G04430e	M314
48	JANM38510/00101BDB	4		MON	2.0%	.80*	TTL	8	10	0.0	5.5	25nΔ			40m		-55	125	1	G04430	FP83
49	JANM38510/00101BDC	4		MON	2.0%	.80*	TTL	8	10	0.0	5.5	25nΔ			40m		-55	125	1	G04430	FP83
50	JANM38510/00101CAA	4		MON	2.0%	80*	TTL	8	10	0.0	5.5	25nΔ			40m		-55	125	1	G04430	FP52d
51	JANM38510/00101CAB	4		MON	2.0%	80*	TTL	8	10	0.0	5.5	25nΔ			40m		-55	125	1	G04430	FP52d
52	JANM38510/00101CAC	4		MON	2.0%	.80*	TTL	8	10	0.0	5.5	25nΔ			40m		-55	125	1	G04430	FP52d
53	JANM38510/00101CCA	4		MON	2.0%	.80*	TTL	8	10	0.0	5.5	25nΔ			40m		-55	125	1	G04430e	M314
54	JANM38510/00101CCB	4		MON	2.0%	80*	TTL	8	10	0.0	5.5	25nΔ			40m		-55	125	1	G04430e	M314
55	JANM38510/00101CCC	4		MON	2.0%	.80*	TTL	8	10	0.0	5.5	25nΔ			40m		-55	125	1	G04430e	M314
56	JANM38510/00101CDB	4		MON	2.0%	80*	TTL	8	10	0.0	5.5	25nΔ			40m		-55	125	1	G04430	FP83
57	JANM38510/00101CDC	4		MON	2.0%	.80*	TTL	8	10	0.0	5.5	25nΔ			40m		-55	125	1	G04430	FP83
58	JANM38510/00102BAA	4		MON	2.0%	80*	TTL	4	10	0.0	5.5	25nΔ			80m		-55	125	2	G04430a	FP52d
59	JANM38510/00102BAB	4		MON	2.0%	80*	TTL	4	10	0.0	5.5	25nΔ			80m		-55	125	2	G04430a	FP52d
60	JANM38510/00102BAC	4		MON	2.0%	.80*	TTL	4	10	0.0	5.5	25nΔ			80m		-55	125	2	G04430f	M314
61	JANM38510/00102BCA	4		MON	2.0%	.80*	TTL	4	10	0.0	5.5	25nΔ			80m		-55	125	2	G04430f	M314
62	JANM38510/00102BCB	4		MON	2.0%	80*	TTL	4	10	0.0	5.5	25nΔ			80m		-55	125	2	G04430f	M314
63	JANM38510/00102BCC	4		MON	2.0%	.80*	TTL	4	10	0.0	5.5	25nΔ			80m		-55	125	2	G04430a	FP83
64	JANM38510/00102BDB	4		MON	2.0%	80*	TTL	4	10	0.0	5.5	25nΔ			80m		-55	125	2	G04430a	FP83
65	JANM38510/00102BDC	4		MON	2.0%	.80*	TTL	4	10	0.0	5.5	25nΔ			80m		-55	125	2	G04430a	FP52d
66	JANM38510/00102CAA	4		MON	2.0%	.80*	TTL	4	10	0.0	5.5	25nΔ			80m		-55	125	2	G04430a	FP52d
67	JANM38510/00102CAB	4		MON	2.0%	.80*	TTL	4	10	0.0	5.5	25nΔ			80m		-55	125	2	G04430a	FP52d
68	JANM38510/00102CAC	4		MON	2.0%	.80*	TTL	4	10	0.0	5.5	25nΔ			80m		-55	125	2	G04430f	M314
69	JANM38510/00102CCA	4		MON	2.0%	80*	TTL	4	10	0.0	5.5	25nΔ			80m		-55	125	2	G04430f	M314
70	JANM38510/00102CCB	4		MON	2.0%	80*	TTL	4	10	0.0	5.5	25nΔ			80m		-55	125	2	G04430f	M314
71	JANM38510/00102CCC	4		MON	2.0%	80*	TTL	4	10	0.0	5.5	25nΔ			80m		-55	125	2	G04430a	FP83
72	JANM38510/00102CDB	4		MON	2.0%	.80*	TTL	4	10	0.0	5.5	25nΔ			80m		-55	125	2	G04430a	FP83
73	JANM38510/00102CDC	4		MON	2.0%	80*	TTL	4	10	0.0	5.5	25nΔ			80m		-55	125	2	G04430a	FP83
74	JANM38510/00103BAA	4		MON	2.0%	.80*	TTL	3	10	0.0	5.5	25nΔ			120m		-55	125	3	G04430b	FP52d

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPER-ATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPA-GATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	JANM38510/00103BAB	4		MON	2.0%	.80*	TTL	3	10	0.0	5.5	25nΔ			120m		-55	125	3	G04430b	FP52d
2	JANM38510/00103BAC	4		MON	2.0%	.80*	TTL	3	10	0.0	5 5	25nΔ			120m		-55	125	3	G04430b	FP52d
3	JANM38510/00103BCA	4		MON	2.0%	80*	TTL	3	10	0.0	5.5	25nΔ			120m		-55	125	3	G04430g	M314
4	JANM38510/00103BCB	4		MON	2.0%	.80*	TTL	3	10	0.0	5.5	25nΔ			120m		-55	125	3	G04430g	M314
5	JANM38510/00103BCC	4		MON	2.0%	80*	TTL	3	10	0.0	5.5	25nΔ			120m		-55	125	3	G04430g	M314
6	JANM38510/00103BDB	4		MON	2.0%	.80*	TTL	3	10	0 0	5.5	25nΔ			120m		-55	125	3	G04430b	FP83
7	JANM38510/00103BDC	4		MON	2.0%	.80*	TTL	3	10	0.0	5.5	25nΔ			120m		-55	125	3	G04430b	FP83
8	JANM38510/00103CAA	4		MON	2.0%	.80*	TTL	3	10	0 0	5 5	25nΔ			120m		-55	125	3	G04430b	FP52d
9	JANM38510/00103CAB	4		MON	2.0%	80*	TTL	3	10	0.0	5 5	25nΔ			120m		-55	125	3	G04430b	FP52d
10	JANM38510/00103CAC	4		MON	2 0%	.80*	TTL	3	10	0.0	5.5	25nΔ			120m		-55	125	3	G04430g	M314
11	JANM38510/00103CCA	4		MON	2.0%	.80*	TTL	3	10	0.0	5 5	25nΔ			120m		-55	125	3	G04430g	M314
12	JANM38510/00103CCB	4		MON	2.0%	.80*	TTL	3	10	0 0	5.5	25nΔ			120m		-55	125	3	G04430b	FP83
13	JANM38510/00103CCC	4		MON	2.0%	.80*	TTL	3	10	0.0	5.5	25nΔ			120m		-55	125	3	G04430b	FP83
14	JANM38510/00103CDB	4		MON	2.0%	80*	TTL	3	10	0.0	5.5	25nΔ			120m		-55	125	3	G04430b	FP52d
15	JANM38510/00103CDC	4		MON	2.0%	80*	TTL	3	10	0.0	5.5	25nΔ			120m		-55	125	3	G04430b	FP52d
16	JANM38510/00104BAA	4		MON	2 0%	.80*	TTL	2	10	0 0	5 5	25nΔ			160m		-55	125	4	G04430c	FP52d
17	JANM38510/00104BAB	4		MON	2 0%	.80*	TTL	2	10	0.0	5 5	25nΔ			160m		-55	125	4	G04430c	FP52d
18	JANM38510/00104BAC	4		MON	2 0%	80*	TTL	2	10	0 0	5 5	25nΔ			160m		-55	125	4	G04430c	FP52d
19	JANM38510/00104BCA	4		MON	2 0%	.80*	TTL	2	10	0 0	5 5	25nΔ			160m		-55	125	4	G04430h	M314
20	JANM38510/00104BCB	4		MON	2 0%	.80*	TTL	2	10	0 0	5 5	25nΔ			160m		-55	125	4	G04430h	M314
21	JANM38510/00104BCC	4		MON	2 0%	.80*	TTL	2	10	0.0	5.5	25nΔ			160m		-55	125	4	G04430h	M314
22	JANM38510/00104BDB	4		MON	2.0%	.80*	TTL	2	10	0.0	5.5	25nΔ			160m		-55	125	4	G04430c	FP83
23	JANM38510/00104BDC	4		MON	2.0%	80*	TTL	2	10	0 0	5 5	25nΔ			160m		-55	125	4	G04430c	FP83
24	JANM38510/00104CAA	4		MON	2 0%	.80*	TTL	2	10	0.0	5.5	25nΔ			160m		-55	125	4	G04430c	FP52d
25	JANM38510/00104CAB	4		MON	2.0%	.80*	TTL	2	10	0 0	5.5	25nΔ			160m		-55	125	4	G04430c	FP52d
26	JANM38510/00104CAC	4		MON	2 0%	80*	TTL	2	10	0.0	5 5	25nΔ			160m		-55	125	4	G04430c	FP52d
27	JANM38510/00104CCA	4		MON	2.0%	.80*	TTL	2	10	0.0	5 5	25nΔ			160m		-55	125	4	G04430h	M314
28	JANM38510/00104CCB	4		MON	2 0%	80*	TTL	2	10	0.0	5.5	25nΔ			160m		-55	125	4	G04430h	M314
29	JANM38510/00104CCC	4		MON	2.0%	80*	TTL	2	10	0 0	5 5	25nΔ			160m		-55	125	4	G04430h	M314
30	JANM38510/00104CDB	4		MON	2.0%	80*	TTL	2	10	0 0	5.5	25nΔ			160m		-55	125	4	G04430c	FP83
31	JANM38510/00104CDC	4		MON	2 0%	80*	TTL	2	10	0.0	5 5	25nΔ			160m		-55	125	4	G04430c	FP83
32	JANM38510/00106BCB	4		MON	2.0%	.80*	TTL	3	10	0 0	5.5	35nΔ			120m		-55	125	3	G04431e	M314
33▼	JANM38510/00106BDB	4		MON	2.0%	.80*	TTL	3	10	0.0	5.5	35nΔ			120m		-55	125	3	G04431e	FP83
34	JANM38510/00106CCB	4		MON	2.0%	80*	TTL	3	10	0 0	5.5	35nΔ			120m		-55	125	3	G04431e	M314
35▼	JANM38510/00106CDB	4		MON	2.0%	.80*	TTL	3	10	0.0	5.5	35nΔ			120m		-55	125	3	G04431e	FP83
36	JANM38510/00107BAA	4		MON	2.0%	.80*	TTL	2	10	0.0	5 5	28nΔ			160m		-55	125	4	G04431	FP52d
37	JANM38510/00107BAB	4		MON	2.0%	.80*	TTL	2	10	0.0	5.5	28nΔ			160m		-55	125	4	G04431	FP52d
38	JANM38510/00107BAC	4		MON	2.0%	.80*	TTL	2	10	0 0	5.5	28nΔ			160m		-55	125	4	G04431	FP52d
39	JANM38510/00107BCA	4		MON	2.0%	.80*	TTL	2	10	0 0	5.5	28nΔ			160m		-55	125	4	G04431c	M314
40	JANM38510/00107BCB	4		MON	2.0%	80*	TTL	2	10	0.0	5 5	28nΔ			160m		-55	125	4	G04431c	M314
41	JANM38510/00107BCC	4		MON	2 0%	.80*	TTL	2	10	0 0	5.5	28nΔ			160m		-55	125	4	G04431c	M314
42	JANM38510/00107BDB	4		MON	2.0%	.80*	TTL	2	10	0 0	5 5	28nΔ			160m		-55	125	4	G04431	FP83
43	JANM38510/00107BDC	4		MON	2.0%	.80*	TTL	2	10	0 0	5 5	28nΔ			160m		-55	125	4	G04431	FP83
44	JANM38510/00107CAA	4		MON	2.0%	.80*	TTL	2	10	0 0	5.5	28nΔ			160m		-55	125	4	G04431	FP52d
45	JANM38510/00107CAB	4		MON	2.0%	.80*	TTL	2	10	0.0	5 5	28nΔ			160m		-55	125	4	G04431	FP52d
46	JANM38510/00107CAC	4		MON	2.0%	80*	TTL	2	10	0 0	5.5	28nΔ			160m		-55	125	4	G04431	FP52d
47	JANM38510/00107CCA	4		MON	2 0%	.80*	TTL	2	10	0 0	5.5	28nΔ			160m		-55	125	4	G04431c	M314
48	JANM38510/00107CCB	4		MON	2.0%	.80*	TTL	2	10	0 0	5.5	28nΔ			160m		-55	125	4	G04431c	M314
49	JANM38510/00107CCC	4		MON	2.0%	80*	TTL	2	10	0.0	5 5	28nΔ			160m		-55	125	4	G04431c	M314
50	JANM38510/00107CDB	4		MON	2 0%	.80*	TTL	2	10	0.0	5.5	28nΔ			160m		-55	125	4	G04431	FP83
51	JANM38510/00107CDC	4		MON	2.0%	80*	TTL	2	10	0 0	5.5	28nΔ			160m		-55	125	4	G04431	FP83
52	JANM38510/00109BCA	4		MON	2 0%	80*	TTL	2	10	0 0	5 5	28nΔ			160m		-55	125	4	G04431b	M314
53	JANM38510/00109BCB	4		MON	2 0%	80*	TTL	2	10	0 0	5 5	28nΔ			160m		-55	125	4	G04431b	M314
54	JANM38510/00109BCC	4		MON	2 0%	.80*	TTL	2	10	0 0	5.5	28nΔ			160m		-55	125	4	G04431b	M314
55	JANM38510/00109CCA	4		MON	2 0%	.80*	TTL	2	10	0.0	5.5	28nΔ			160m		-55	125	4	G04431b	M314

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPER-ATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPA-GATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	JANM38510/00109CCB	4		MON	2.0%	80*	TTL	2	10	0 0	5.5	28nΔ			160m		-55	125	4	G04431b	M314
2	JANM38510/00109CCC	4		MON	2 0%	80*	TTL	2	10	0.0	5 5	28nΔ			160m		-55	125	4	G04431b	M314
3	JANM38510/00301BAA	4		MON	2 0%	.80*	TTL	4	30	0.0	5.5	25nΔ			200m		-55	125	2	G0415b	FP52d
4	JANM38510/00301BAB	4		MON	2.0%	.80*	TTL	4	30	0 0	5.5	25nΔ			200m		-55	125	2	G0415b	FP52d
5	JANM38510/00301BAC	4		MON	2.0%	80*	TTL	4	30	0.0	5 5	25nΔ			200m		-55	125	2	G0415b	FP52d
6	JANM38510/00301BCA	4		MON	2 0%	.80*	TTL	4	30	0.0	5 5	25nΔ			200m		-55	125	2	G0415b	M314
7	JANM38510/00301BCB	4		MON	2 0%	.80*	TTL	4	30	0.0	5 5	25nΔ			200m		-55	125	2	G0415b	M314
8	JANM38510/00301BCC	4		MON	2.0%	80*	TTL	4	30	0 0	5.5	25nΔ			200m		-55	125	2	G0415b	M314
9	JANM38510/00301BDB	4		MON	2.0%	80*	TTL	4	30	0 0	5.5	25nΔ			200m		-55	125	2	G0415b	FP83
10	JANM38510/00301BDC	4		MON	2 0%	.80*	TTL	4	30	0.0	5 5	25nΔ			200m		-55	125	2	G0415b	FP83
11	JANM38510/00301CAA	4		MON	2 0%	80*	TTL	4	30	0 0	5.5	25nΔ			200m		-55	125	2	G0415b	FP52d
12	JANM38510/00301CAB	4		MON	2.0%	.80*	TTL	4	30	0.0	5 5	25nΔ			200m		-55	125	2	G0415b	FP52d
13	JANM38510/00301CAC	4		MON	2.0%	80*	TTL	4	30	0 0	5 5	25nΔ			200m		-55	125	2	G0415b	FP52d
14	JANM38510/00301CCA	4		MON	2 0%	.80*	TTL	4	30	0 0	5.5	25nΔ			200m		-55	125	2	G0415b	M314
15	JANM38510/00301CCB	4		MON	2 0%	.80*	TTL	4	30	0 0	5.5	25nΔ			200m		-55	125	2	G0415b	M314
16	JANM38510/00301CCC	4		MON	2 0%	80*	TTL	4	30	0 0	5 5	25nΔ			200m		-55	125	2	G0415b	M314
17	JANM38510/00301CDB	4		MON	2.0%	80*	TTL	4	30	0 0	5 5	25nΔ			200m		-55	125	2	G0415b	FP83
18	JANM38510/00301CDC	4		MON	2.0%	80*	TTL	4	30	0 0	5 5	25nΔ			200m		-55	125	2	G0415b	FP83
19	JANM38510/00302BAA	4		MON	2.0%	.80*	TTL	2	30	0 0	5.5	25nΔ			400m		-55	125	4	G0415a	FP52d
20	JANM38510/00302BAB	4		MON	2.0%	.80*	TTL	2	30	0 0	5 5	25nΔ			400m		-55	125	4	G0415a	FP52d
21	JANM38510/00302BAC	4		MON	2 0%	.80*	TTL	2	30	0 0	5.0	25nΔ			400m		-55	125	4	G0415a	FP52d
22	JANM38510/00302BCA	4		MON	2.0%	.80*	TTL	2	30	0.0	5 5	25nΔ			400m		-55	125	4	G0415a	M314
23	JANM38510/00302BCB	4		MON	2 0%	.80*	TTL	2	30	0 0	5.5	25nΔ			400m		-55	125	4	G0415a	M314
24	JANM38510/00302BCC	4		MON	2 0%	80*	TTL	2	30	0 0	5.5	25nΔ			400m		-55	125	4	G0415a	M314
25	JANM38510/00302BDB	4		MON	2.0%	.80*	TTL	2	30	0.0	5 5	25nΔ			400m		-55	125	4	G0415a	FP83
26	JANM38510/00302BDC	4		MON	2 0%	80*	TTL	2	30	0.0	5 5	25nΔ			400m		-55	125	4	G0415a	FP83
27	JANM38510/00302CAA	4		MON	2.0%	.80*	TTL	2	30	0.0	5 5	25nΔ			400m		-55	125	4	G0415a	FP52d
28	JANM38510/00302CAB	4		MON	2 0%	80*	TTL	2	30	0.0	5 5	25nΔ			400m		-55	125	4	G0415a	FP52d
29	JANM38510/00302CAC	4		MON	2 0%	.80*	TTL	2	30	0 0	5.5	25nΔ			400m		-55	125	4	G0415a	FP52d
30	JANM38510/00302CCA	4		MON	2.0%	80*	TTL	2	30	0 0	5 5	25nΔ			400m		-55	125	4	G0415a	M314
31	JANM38510/00302CCB	4		MON	2 0%	80*	TTL	2	30	0 0	5 5	25nΔ			400m		-55	125	4	G0415a	M314
32	JANM38510/00302CCC	4		MON	2.0%	80*	TTL	2	30	0.0	5.5	25nΔ			400m		-55	125	4	G0415a	M314
33	JANM38510/00302CDB	4		MON	2.0%	80*	TTL	2	30	0.0	5 5	25nΔ			400m		-55	125	4	G0415a	FP83
34	JANM38510/00302CDC	4		MON	2 0%	80*	TTL	2	30	0 0	5.5	25nΔ			400m		-55	125	4	G0415a	FP83
35	JANM38510/00303BAA	4		MON	2.0%	80*	TTL	2	30	0.0	5.5	25nΔ			400m		-55	125	4	G0415a	FP52d
36	JANM38510/00303BAB	4		MON	2 0%	.80*	TTL	2	30	0 0	5.5	25nΔ			400m		-55	125	4	G0415a	FP52d
37	JANM38510/00303BAC	4		MON	2.0%	.80*	TTL	2	30	0 0	5 5	25nΔ			400m		-55	125	4	G0415a	FP52d
38	JANM38510/00303BCA	4		MON	2.0%	.80*	TTL	2	30	0.0	5 5	25nΔ			400m		-55	125	4	G0415a	M314
39	JANM38510/00303BCB	4		MON	2 0%	80*	TTL	2	30	0.0	5 5	25nΔ			400m		-55	125	4	G04330b	M314
40	JANM38510/00303BCC	4		MON	2 0%	.80*	TTL	2	30	0.0	5 5	25nΔ			400m		-55	125	4	G04330b	M314
41	JANM38510/00303BDB	4		MON	2.0%	80*	TTL	2	30	0.0	5.5	25nΔ			400m		-55	125	4	G04430b	FP83
42	JANM38510/00303BDC	4		MON	2.0%	80*	TTL	2	30	0.0	5.5	25nΔ			400m		-55	125	4	G04330b	FP83
43	JANM38510/00303CAA	4		MON	2.0%	.80*	TTL	2	30	0.0	5 5	25nΔ			400m		-55	125	4	G0415a	FP52d
44	JANM38510/00303CAB	4		MON	2 0%	80*	TTL	2	30	0 0	5 5	25nΔ			400m		-55	125	4	G0415a	FP52d
45	JANM38510/00303CAC	4		MON	2.0%	.80*	TTL	2	30	0.0	5 5	25nΔ			400m		-55	125	4	G0415a	FP52d
46	JANM38510/00303CCA	4		MON	2 0%	80*	TTL	2	30	0 0	5 5	25nΔ			400m		-55	125	4	G0415a	M314
47	JANM38510/00303CCB	4		MON	2.0%	.80*	TTL	2	30	0.0	5 5	25nΔ			400m		-55	125	4	G04330b	M314
48	JANM38510/00303CCC	4		MON	2.0%	.80*	TTL	2	30	0 0	5 5	25nΔ			400m		-55	125	4	G04330b	M314
49	JANM38510/00303CDB	4		MON	2 0%	.80*	TTL	2	30	0.0	5 5	25nΔ			400m		-55	125	4	G04330b	FP83
50	JANM38510/00303CDC	4		MON	2.0%	80*	TTL	2	30	0 0	5 5	25nΔ			400m		-55	125	4	G04330b	FP83
51	JANM38510/02301BAA	4		MON	2 0%	.80*	TTL	8	10	0 0	5 5	18nΔ			198m		-55	125	1	G04393	FP52d
52	JANM38510/02301BAB	4		MON	2 0%	80*	TTL	8	10	0.0	5.5	18nΔ			198m		-55	125	1	G04393	FP52d
53	JANM38510/02301BAC	4		MON	2 0%	80*	TTL	8	10	0 0	5.5	18nΔ			198m		-55	125	1	G04393	FP52d
54	JANM38510/02301BCB	4		MON	2 0%	.80*	TTL	8	10	0 0	5.5	18nΔ			198m		-55	125	1	G04393a	M314
55	JANM38510/02301BCC	4		MON	2 0%	.80*	TTL	8	10	0 0	5.5	18nΔ			198m		-55	125	1	G04393a	M314

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	JANM38510/02301BDB	4		MON	2.0%	80*	TTL	8	10	0.0	5.5	18nΔ			198m		-55	125	1	G04393	FP83
2	JANM38510/02301BDC	4		MON	2.0%	80*	TTL	8	10	0.0	5.5	18nΔ			198m		-55	125	1	G04393	FP83
3	JANM38510/02301CAA	4		MON	2.0%	.80*	TTL	8	10	0.0	5.5	18nΔ			198m		-55	125	1	G04393	FP52d
4	JANM38510/02301CAB	4		MON	2.0%	.80*	TTL	8	10	0.0	5.5	18nΔ			198m		-55	125	1	G04393	FP52d
5	JANM38510/02301CAC	4		MON	2.0%	.80*	TTL	8	10	0.0	5.5	18nΔ			198m		-55	125	1	G04393	FP52d
6	JANM38510/02301CCB	4		MON	2.0%	.80*	TTL	8	10	0.0	5.5	18nΔ			198m		-55	125	1	G04393a	M314
7	JANM38510/02301CCC	4		MON	2.0%	80*	TTL	8	10	0.0	5.5	18nΔ			198m		-55	125	1	G04393a	M314
8	JANM38510/02301CDB	4		MON	2.0%	.80*	TTL	8	10	0.0	5.5	18nΔ			198m		-55	125	1	G04393	FP83
9	JANM38510/02301CDC	4		MON	2.0%	80*	TTL	8	10	0.0	5.5	18nΔ			198m		-55	125	1	G04393	FP83
10	JANM38510/02302BAA	4		MON	2.0%	80*	TTL	4	10	0.0	5.5	16nΔ			396m		-55	125	2	G04388	FP52d
11	JANM38510/02302BAB	4		MON	2.0%	80*	TTL	4	10	0.0	5.5	16nΔ			396m		-55	125	2	G04388	FP52d
12	JANM38510/02302BAC	4		MON	2.0%	80*	TTL	4	10	0.0	5.5	16nΔ			396m		-55	125	2	G04388	FP52d
13	JANM38510/02302BCB	4		MON	2.0%	80*	TTL	4	10	0.0	5.5	16nΔ			396m		-55	125	2	G04388a	M314
14	JANM38510/02302BCC	4		MON	2.0%	80*	TTL	4	10	0.0	5.5	16nΔ			396m		-55	125	2	G04388a	M314
15	JANM38510/02302BDB	4		MON	2.0%	80*	TTL	4	10	0.0	5.5	16nΔ			396m		-55	125	2	G04388	FP83
16	JANM38510/02302BDC	4		MON	2.0%	80*	TTL	4	10	0.0	5.5	16nΔ			396m		-55	125	2	G04388	FP83
17	JANM38510/02302CAA	4		MON	2.0%	.80*	TTL	4	10	0.0	5.5	16nΔ			396m		-55	125	2	G04388	FP52d
18	JANM38510/02302CAB	4		MON	2.0%	80*	TTL	4	10	0.0	5.5	16nΔ			396m		-55	125	2	G04388	FP52d
19	JANM38510/02302CAC	4		MON	2.0%	80*	TTL	4	10	0.0	5.5	16nΔ			396m		-55	125	2	G04388	FP52d
20	JANM38510/02302CCB	4		MON	2.0%	80*	TTL	4	10	0.0	5.5	16nΔ			396m		-55	125	2	G04388a	M314
21	JANM38510/02302CCC	4		MON	2.0%	80*	TTL	4	10	0.0	5.5	16nΔ			396m		-55	125	2	G04388a	M314
22	JANM38510/02302CDB	4		MON	2.0%	80*	TTL	4	10	0.0	5.5	16nΔ			396m		-55	125	2	G04388	FP83
23	JANM38510/02302CDC	4		MON	2.0%	80*	TTL	4	10	0.0	5.5	16nΔ			396m		-55	125	2	G04388	FP83
24	JANM38510/02303BAA	4		MON	2.0%	80*	TTL	3	10	0.0	5.5	16nΔ			594m		-55	125	3	G04388c	FP52d
25	JANM38510/02303BAB	4		MON	2.0%	80*	TTL	3	10	0.0	5.5	16nΔ			594m		-55	125	3	G04388c	FP52d
26	JANM38510/02303BAC	4		MON	2.0%	80*	TTL	3	10	0.0	5.5	16nΔ			594m		-55	125	3	G04388c	FP52d
27	JANM38510/02303BCB	4		MON	2.0%	80*	TTL	3	10	0.0	5.5	16nΔ			594m		-55	125	3	G04388d	M314
28	JANM38510/02303BCC	4		MON	2.0%	80*	TTL	3	10	0.0	5.5	16nΔ			594m		-55	125	3	G04388d	M314
29	JANM38510/02303BDB	4		MON	2.0%	80*	TTL	3	10	0.0	5.5	16nΔ			594m		-55	125	3	G04388c	FP83
30	JANM38510/02303BDC	4		MON	2.0%	80*	TTL	3	10	0.0	5.5	16nΔ			594m		-55	125	3	G04388c	FP83
31	JANM38510/02303CAA	4		MON	2.0%	80*	TTL	3	10	0.0	5.5	16nΔ			594m		-55	125	3	G04388c	FP52d
32	JANM38510/02303CAB	4		MON	2.0%	80*	TTL	3	10	0.0	5.5	16nΔ			594m		-55	125	3	G04388c	FP52d
33	JANM38510/02303CAC	4		MON	2.0%	80*	TTL	3	10	0.0	5.5	16nΔ			594m		-55	125	3	G04388c	FP52d
34	JANM38510/02303CCB	4		MON	2.0%	80*	TTL	3	10	0.0	5.5	16nΔ			594m		-55	125	3	G04388d	M314
35	JANM38510/02303CCC	4		MON	2.0%	80*	TTL	3	10	0.0	5.5	16nΔ			594m		-55	125	3	G04388d	M314
36	JANM38510/02303CDB	4		MON	2.0%	80*	TTL	3	10	0.0	5.5	16nΔ			594m		-55	125	3	G04388c	FP83
37	JANM38510/02303CDC	4		MON	2.0%	.80*	TTL	3	10	0.0	5.5	16nΔ			594m		-55	125	3	G04388c	FP83
38	JANM38510/02304BAA	4		MON	2.0%	80*	TTL	2	10	0.0	5.5	16nΔ			792m		-55	125	4	G04384	FP52d
39	JANM38510/02304BAB	4		MON	2.0%	80*	TTL	2	10	0.0	5.5	16nΔ			792m		-55	125	4	G04384	FP52d
40	JANM38510/02304BAC	4		MON	2.0%	80*	TTL	2	10	0.0	5.5	16nΔ			792m		-55	125	4	G04384	FP52d
41	JANM38510/02304BCB	4		MON	2.0%	80*	TTL	2	10	0.0	5.5	16nΔ			792m		-55	125	4	G04388b	M314
42	JANM38510/02304BCC	4		MON	2.0%	80*	TTL	2	10	0.0	5.5	16nΔ			792m		-55	125	4	G04388b	M314
43	JANM38510/02304BDB	4		MON	2.0%	80*	TTL	2	10	0.0	5.5	16nΔ			792m		-55	125	4	G04384	FP83
44	JANM38510/02304BDC	4		MON	2.0%	80*	TTL	2	10	0.0	5.5	16nΔ			792m		-55	125	4	G04384	FP83
45	JANM38510/02304CAA	4		MON	2.0%	80*	TTL	2	10	0.0	5.5	16nΔ			792m		-55	125	4	G04384	FP52d
46	JANM38510/02304CAB	4		MON	2.0%	.80*	TTL	2	10	0.0	5.5	16nΔ			792m		-55	125	4	G04384	FP52d
47	JANM38510/02304CAC	4		MON	2.0%	.80*	TTL	2	10	0.0	5.5	16nΔ			792m		-55	125	4	G04384	FP52d
48	JANM38510/02304CCB	4		MON	2.0%	80*	TTL	2	10	0.0	5.5	16nΔ			792m		-55	125	4	G04388b	M314
49	JANM38510/02304CCC	4		MON	2.0%	.80*	TTL	2	10	0.0	5.5	16nΔ			792m		-55	125	4	G04388b	M314
50	JANM38510/02304CDB	4		MON	2.0%	80*	TTL	2	10	0.0	5.5	16nΔ			792m		-55	125	4	G04384	FP83
51	JANM38510/02304CDC	4		MON	2.0%	80*	TTL	2	10	0.0	5.5	16nΔ			792m		-55	125	4	G04384	FP83
52	JANM38510/02306BAB	4		MON	2.0%	80*	TTL	2	10	0.0	5.5	21nΔ			792m		-55	125	4	G04384	FP52d
53	JANM38510/02306BCB	4		MON	2.0%	80*	TTL	2	10	0.0	5.5	21nΔ			792m		-55	125	4	G04450	M314
54	JANM38510/02306BDB	4		MON	2.0%	80*	TTL	2	10	0.0	5.5	21nΔ			792m		-55	125	4	G04450	FP83
55	JANM38510/02306CAB	4		MON	2.0%	80*	TTL	2	10	0.0	5.5	21nΔ			792m		-55	125	4	G04384	FP52d

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	JANM38510/02306CCB	4		MON	2.0%	.80*	TTL	2	10	0.0	5.5	21nΔ			792m		-55	125	4	G04450	M314
2	JANM38510/02306CDB	4		MON	2.0%	80*	TTL	2	10	0.0	5.5	21nΔ			792m		-55	125	4	G04450	FP83
3	JANM38510/02307BAB	4		MON	2.0%	80*	TTL	4	10	0.0	5.5	21nΔ			396m		-55	125	2	G04388	FP52d
4	JANM38510/02307BCB	4		MON	2.0%	.80*	TTL	4	10	0.0	5.5	21nΔ			396m		-55	125	2	G04450a	M314
5	JANM38510/02307CAB	4		MON	2.0%	.80*	TTL	4	10	0.0	5.5	21nΔ			396m		-55	125	2	G04388	FP52d
6	JANM38510/02307CCB	4		MON	2.0%	.80*	TTL	4	10	0.0	5.5	21nΔ			396m		-55	125	2	G04450a	M314
7	JANM38510/02401BAA	4		MON	2.0%	.80*	TTL	4	30	0.0	5.5	20nΔ			268m		-55	125	2	G04459	FP52d
8	JANM38510/02401BAB	4		MON	2.0%	.80*	TTL	4	30	0.0	5.5	20nΔ			268m		-55	125	2	G04459	FP52d
9	JANM38510/02401BAC	4		MON	2.0%	.80*	TTL	4	30	0.0	5.5	20nΔ			268m		-55	125	2	G04459	FP52d
10	JANM38510/02401BCA	4		MON	2.0%	.80*	TTL	4	30	0.0	5.5	20nΔ			268m		-55	125	2	G04459	M314
11	JANM38510/02401BCB	4		MON	2.0%	.80*	TTL	4	30	0.0	5.5	20nΔ			268m		-55	125	2	G04459	M314
12	JANM38510/02401BCC	4		MON	2.0%	.80*	TTL	4	30	0.0	5.5	20nΔ			268m		-55	125	2	G04459	FP83
13	JANM38510/02401BDB	4		MON	2.0%	.80*	TTL	4	30	0.0	5.5	20nΔ			268m		-55	125	2	G04459	FP52d
14	JANM38510/02401CAA	4		MON	2.0%	.80*	TTL	4	30	0.0	5.5	20nΔ			268m		-55	125	2	G04459	FP52d
15	JANM38510/02401CAB	4		MON	2.0%	.80*	TTL	4	30	0.0	5.5	20nΔ			268m		-55	125	2	G04459	FP52d
16	JANM38510/02401CAC	4		MON	2.0%	.80*	TTL	4	30	0.0	5.5	20nΔ			268m		-55	125	2	G04459	M314
17	JANM38510/02401CCA	4		MON	2.0%	.80*	TTL	4	30	0.0	5.5	20nΔ			268m		-55	125	2	G04459	M314
18	JANM38510/02401CCB	4		MON	2.0%	80*	TTL	4	30	0.0	5.5	20nΔ			268m		-55	125	2	G04459	M314
19	JANM38510/02401CCC	4		MON	2.0%	80*	TTL	4	30	0.0	5.5	20nΔ			268m		-55	125	2	G04459	FP83
20	JANM38510/02401CDB	4		MON	2.0%	80*	TTL	4	30	0.0	5.5	20nΔ			268m		-55	125	2	G04459	M314
21#	M53200P	4		MON	2.0%	.80*	TTL	2	10	0.0	7.0	13n%			10mt	1.0 Δ	0	75	4	G0414	M105j
22#	M53201P	4		MON	2.0%	.80*	TTL	2	10	0.0	7.0	13n%			10mt	1.0 Δ	0	75	4	G04233a	M105j
23#	M53203P	4		MON	2.0%	.80*	TTL	2	10	0.0	7.0	13n%			10mt	1.0 Δ	0	75	4	G04233b	M105j
24#	M53210P	4		MON	2.0%	.80*	TTL	3	10	0.0	7.0	13n%			10mt	1.0 Δ	0	75	3	G0414a	M105j
25#	M53220P	4		MON	2.0%	.80*	TTL	4	10	0.0	7.0	13n%			10mt	1.0 Δ	0	75	2	G0414b	M105j
26#	M53230P	4		MON	2.0%	.80*	TTL	8	10	0.0	7.0	13n%			10mt	1.0 Δ	0	75	1	G0414c	M105j
27#	M53237P	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	22nΔ			297m		0	75	4	G04388b	M105j
28#	M53238P	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			297m		0	75	4	G04387c	M105j
29#	M53240P	4		MON	2.0%	.80*	TTL	4	30	0.0	7.0	13n%			26mt	1.0 Δ	0	75	2	G0415h	M105j
30#	MIC74H00J	4		MON	2.0%	.80*	TTL	2	10	0.0	7.0	10nΔ				1.0 Δ	0	75	4	G0415a	M157
31#	MIC74H01J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	9.0nΔ			80mt	1.0 Δ	0	75	4	G04386	M157
32#	MIC74H10J	4		MON	2.0%	.80*	TTL	3	10	0.0	7.0	10nΔ				1.0 Δ	0	75	3	G0415f	M157
33#	MIC74H20J	4		MON	2.0%	80*	TTL	4	10	0.0	7.0	10nΔ				1.0 Δ	0	75	2	G0415b	M157
34▼#	MIC74H22J	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	9.0n			75nt	1.0 Δ	0	75	2	G04387a	TO116
35#	MIC74H30J	4		MON	2.0%	.80*	TTL	8	10	0.0	7.0	11nΔ				1.0 Δ	0	75	1	G04150a	M157
36#	MIC74H40J	4		MON	2.0%	.80*	TTL	4	0	0.0	7.0	10nΔ				1.0 Δ	0	75	2	G0415b	M157
37#	MIC5400J	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	22nΔ			40mt	500m	-55	125	4	G04358f	TO116
38#	MIC5401AJ	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40mt	500m	-55	125	4	G04387a	TO116
39#	MIC5401J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40mt	500m	-55	125	4	G04387a	TO116
40#	MIC5403AJ	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40mt	500m	-55	125	4	G04358f	TO116
41#	MIC5403J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40mt	500m	-55	125	4	G04387	TO116
42#	MIC5410J	4		MON	2.0%	80*	TTL	3	10	0.0	5.0	22nΔ			30mt	500m	-55	125	3	G04358h	TO116
43#	MIC5412AJ	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	45nΔ			30mt	400m*	-55	125	3	G04450d	TO116
44#	MIC5412J	4		MON	2.0%	80*	TTL	3	10	0.0	5.0	45nΔ			30mt	400m*	-55	125	3	G04450d	TO116
45#	MIC5420J	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			20mt	500m	-55	125	2	G04358k	TO116
46#	MIC5426J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	24nΔ			40mt	500m	-55	125	4	G04358n	TO116
47#	MIC5430J	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ			10mt	500m	-55	125	1	G04358n	TO116
48#	MIC5437J	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			428mt	400m*	-55	125	4	G04388b	TO116
49#	MIC5438AJ	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			388mt	400m*	-55	125	4	G04387c	TO116
50#	MIC5438J	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			388mt	400m*	-55	125	4	G04387c	TO116
51#	MIC5440J	4		MON	2.0%	80*	TTL	4	30	0.0	5.0	22nΔ			53mt	500m	-55	125	2	G04358k	TO116
52#	MIC6400J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			40mt	500m	-40	85	4	G04358f	TO116
53#	MIC6401AJ	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	45nΔ			40mt	500m	-40	85	4	G04387a	TO116
54#	MIC6401J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40mt	500m	-40	85	4	G04387a	TO116
55#	MIC6403AJ	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	45nΔ			40mt	500m	-40	85	4	G04358f	TO116
56#	MIC6403J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40mt	500m	-40	85	4	G04387	TO116
57#	MIC6410J	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	22nΔ			30mt	500m	-40	85	3	G04358h	TO116
58#	MIC6412AJ	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	45nΔ			30mt	400m*	-40	85	3	G04450d	TO116
59#	MIC6412J	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	45nΔ			30mt	400m*	-40	85	3	G04450d	TO116
60#	MIC6420J	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			20mt	500m	-40	85	2	G04358k	TO116
61#	MIC6426J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	24nΔ			40mt	500m	-40	85	4	G04358n	TO116
62#	MIC6430J	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ			10mt	500m	-40	85	1	G04358n	TO116
63#	MIC6437J	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			428mt	400m*	-40	85	4	G04388b	TO116
64#	MIC6438AJ	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			388mt	400m*	-40	85	4	G04387c	TO116
65#	MIC6438J	4		MON	2.0%	80*	TTL	2	30	0.0	5.0	22nΔ			388mt	400m*	-40	85	4	G04387c	TO116
66#	MIC6440J	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	22nΔ			53mt	500m	-40	85	2	G04358k	TO116
67#	MIC7400J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			40mt	500m	0	75	4	G04358f	TO116
68#	MIC7400N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			40mt	500m	0	75	4	G04358f	M126
69#	MIC7401AJ	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	45nΔ			40mt	500m	0	75	4	G04387a	TO116
70#	MIC7401AN	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40mt	500m	0	75	4	G04387a	M126
71#	MIC7401J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40mt	500m	0	75	4	G04387a	TO116
72#	MIC7401N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40mt	500m	0	75	4	G04387a	M126
73#	MIC7403AJ	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40mt	500m	0	75	4	G04358f	TO116
74#	MIC7403AN	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40mt	500m	0	75	4	G04358f	M126
75#	MIC7403J	4		MON	2.0%	.80*	TTL	2	10	0.0	7.0	17n			40mt	1.0	0	75	4	G04387	M157
76#	MIC7403N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	17n			40mt	1.0	0	75	4	G04387	M126
77#	MIC7410J	4		MON	2.0%	80*	TTL	3	10	0.0	5.0	22nΔ			30mt	500m	0	75	3	G04358h	TO116
78#	MIC7410N	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	22nΔ			30mt	500m	0	75	3	G04358h	M126
79#	MIC7412AJ	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	45nΔ			30mt	400m*	0	75	3	G04450d	TO116
80#	MIC7412AN	4		MON	2.0%	80*	TTL	3	10	0.0	5.0	45nΔ			30mt	400m*	0	75	3	G04450d	M126
81#	MIC7412J	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	45nΔ			30mt	400m*	0	75	3	G04450d	TO116
82#	MIC7412N	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	45nΔ			30mt	400m*	0	75	3	G04450d	M126
83#	MIC7420J	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			20mt	500m	0	75	2	G04358k	TO116
84#	MIC7420N	4		MON	2.0%	80*	TTL	4	10	0.0	5.0	22nΔ			20mt	500m	0	75	2	G04358k	M126
85#	MIC7426J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	24nΔ			40mt	500m	0	75	4	G04358n	TO116
86#	MIC7426N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	24nΔ			40mt	500m	0	75	4	G04358n	M126
87#	MIC7430J	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ			10mt	500m	0	75	1	G04358n	TO116
88#	MIC7430N	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ			10mt	500m	0	75	1	G04358n	M126
89#	MIC7437J	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			428mt	400m*	0	75	4	G04388b	TO116
90#	MIC7437N	4		MON	2.0%	80*	TTL	2	30	0.0	5.0	22nΔ			428mt	400m*	0	75	4	G04388b	M126

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1#	MIC7438AJ	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			388mt	400m*	0	75	4	G04387c	TO116
2#	MIC7438AN	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			388mt	400m*	0	75	4	G04387c	M126
3#	MIC7438J	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			388mt	400m*	0	75	4	G04387c	TO116
4#	MIC7438N	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			388mt	400m*	0	75	4	G04387c	M126
5#	MIC7440J	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	22nΔ			53mt	500m	0	75	2	G04358k	TO116
6#	MIC7440N	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	22nΔ			53mt	500m	0	75	2	G04358k	M126
7	MIC9002-1B	4		MON	2.0%	.80*	TTL	2	10	0	5.5						-55	125	4	G04345	TO86
8	MIC9002-1D	4		MON	2.0%	.80	TTL	2	10	0	5.5						-55	125	4	G04345	TO116
9	MIC9003-1B	4		MON	2.0%	.80	TTL	3	10	0	5.5						-55	125	3	G04345a	TO86
10	MIC9003-1D	4		MON	2.0%	.80*	TTL	3	10	0.0	5.5						-55	125	3	G04345a	TO116
11	MIC9004-1B	4		MON	2.0%	.80*	TTL	4	10	0	5.5						-55	125	2	G04345b	TO86
12	MIC9004-1D	4		MON	2.0%	.80*	TTL	4	10	0	5.5						-55	125	2	G04345b	TO116
13	MIC9007-1B	4		MON	2.0%	.80*	TTL	8	10	0	5.5						-55	125	1	G04345c	TO86
14	MIC9007-1D	4		MON	2.0%	.80*	TTL	8	10	0	5.5						-55	125	1	G04345c	TO116
15	MIC9009-1B	4		MON	2.0%	.80*	TTL	4	30	0	5.5						-55	125	2	G04345b	TO86
16	MIC9009-1D	4		MON	2.0%	.80*	TTL	4	30	0	5.5						-55	125	2	G04345b	TO116
17	MIC9016-1B	4		MON	2.0%	.80*	TTL	1	10	0	5.5						-55	125	6	G04345d	TO86
18	MIC9016-1D	4		MON	2.0%	.80*	TTL	1	10	0	5.5						-55	125	6	G04345d	TO116
19#	MIC9017-1D	4		MON	2.0%	.80*	TTL	1	10	0.0	5.5						-55	125	6		
20	N74H00A	4			2.0%	.80*	TTL	2	10	0.0	5.0	6.2n					0	70	4	G04377	M105q
21	N74H00Q	4			2.0%	.80*	TTL	2	10	0.0	5.0	6.2n					0	70	4	G04377d	TO88
22	N74H01A	4			2.0%	.80*	TTL	2	10	0.0	5.0	10n					0	70	4	G04387	M105q
23	N74H01Q	4			2.0%	.80*	TTL	2	10	0.0	5.0	10n					0	70	4	G04387	TO88
24	N74H10A	4			2.0%	.80*	TTL	3	10	0.0	5.0	6.3n			156m%		0	70	3	G04377a	M105q
25	N74H10Q	4			2.0%	.80*	TTL	3	10	0.0	5.0	6.3n			156m%		0	70	3	G04377e	TO88
26	N74H20A	4			2.0%	.80*	TTL	4	10	0.0	5.0	7.0n			104m%		0	70	2	G04377b	M105q
27	N74H20Q	4			2.0%	.80*	TTL	4	10	0.0	5.0	7.0n			104m%		0	70	2	G04377f	TO88
28	N74H22A	4			2.0%	.80*	TTL	4	10	0.0	5.0	10n			104m%		0	70	2	G04387b	M105q
29	N74H22Q	4			2.0%	.80*	TTL	4	10	0.0	5.0	10n			104m%		0	70	2	G04387b	TO88
30	N74H30A	4			2.0%	.80*	TTL	8	10	0.0	5.0	8.9n			52m%		0	70	1	G04377g	M105q
31	N74H30Q	4			2.0%	.80*	TTL	8	10	0.0	5.0	8.9n			52m%		0	70	1	G04377g	TO88
32	N74H40A	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	12n%					0	70	2	G04388a	TO116
33	N74H40Q	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	12n%					0	70	2	G04388	TO88
34	N7400A	4			2.0%	.80*	TTL	2	10	0.0	5.0	8.0n			218m%		0	70	4	G04273d	M105q
35	N7400J	4			2.0%	.80*	TTL	2	10	0.0	5.0	8.0n			218m%		0	70	4	G04273d	TO88
36	N7401A	4			2.0%	.80*	TTL	2	10	0.0	5.0	20nΔ			218m%		0	70	4	G04399	M105q
37	N7401J	4			2.0%	.80*	TTL	2	10	0.0	5.0	20nΔ			218m%		0	70	4	G04399	TO88
38	N7403A	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45n					0	70	4	G04425a	TO116
39	N7410A	4			2.0%	.80*	TTL	3	10	0.0	5.0	8.0n			218m%		0	70	3	G04273e	M105q
40	N7410J	4			2.0%	.80*	TTL	3	10	0.0	5.0	8.0n			218m%		0	70	3	G04273b	TO88
41	N7420A	4			2.0%	.80*	TTL	4	10	0.0	5.0	8.0n			218m%		0	70	2	G04273f	M105q
42	N7420J	4			2.0%	.80*	TTL	4	10	0.0	5.0	8.0n			218m%		0	70	2	G04273a	TO88
43	N7426A	4		MON	2.0%	.80*	TTL	2		0.0	5.0	24nΔ					0	70	4	G04342b	TO116
44	N7430A	4			2.0%	.80*	TTL	8	10	0.0	5.0	8.0n			218m%		0	70	1	G04273	M105q
45	N7430J	4			2.0%	.80*	TTL	8	10	0.0	5.0	8.0n			218m%		0	70	1	G04273	TO88
46	N7440A	4			2.0%	.80*	TTL	4	30	0.0	5.0	8.0n			390m%		0	70	2	G0415b	M105q
47	N7440Q	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	8.0n					0	70	2	G04388	TO88
48	NC74H00N	4		MON	2.0%	.80*	TTL	2	10	0.0	7.0	10nΔ				1.0 Δ	0	70	4	G0415a	M126
49	NC74H01N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	9.0nΔ			80mt	1.0 Δ	0	70	4	G04386	M126
50	NC74H10N	4		MON	2.0%	.80*	TTL	3	10	0.0	7.0	10nΔ				1.0 Δ	0	70	3	G0415f	M126
51	NC74H20N	4		MON	2.0%	.80*	TTL	4	10	0.0	7.0	10nΔ				1.0 Δ	0	70	2	G0415b	M126
52	NC74H22N	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	9.0n			75mt	1.0 Δ	0	70	2	G04387b	M126
53	NC74H30N	4		MON	2.0%	.80*	TTL	8	10	0.0	7.0	11nΔ				1.0 Δ	0	70	1	G04150a	M126
54	NC74H40N	4		MON	2.0%	.80*	TTL	4	30	0.0	7.0	10nΔ				1.0 Δ	0	70	2	G0415b	M126
55	NC7400N	4		MON	2.0%	.80*	TTL	2	10	0.0	7.0	13n			10mΔ	1.0	0	70	4		TO116
56	NC7401BN	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	30n%			10mΔ	1.0 Δ	0	70	4	G04233a	TO116
57	NC7401N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	30n%			10mΔ	1.0	0	70	4	G04233a	M126
58	NC7403BN	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45n%			40mt	1.0 Δ	0	70	4	G04399a	TO116
59	NC7403N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45n%			40mt	1.0 Δ	0	70	4	G04399a	M126
60	NC7410N	4		MON	2.0%	.80*	TTL	3	10	0.0	7.0	13n			10mΔ	1.0	0	70	2		TO116
61	NC7420N	4		MON	2.0%	.80*	TTL	4	10	0.0	7.0	13n			10mΔ	1.0	0	70	2		TO116
62	NC7426N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	24nΔ			110m%	1.0 Δ	0	70	4	G04342a	TO116
63	NC7430N	4		MON	2.0%	.80*	TTL	8	10	0	7	13n%			10mt	1.0	0	70	1		TO116
64	NC7440N	4		MON	2.0%	.80*	TTL	4	30	0.0	7.0	13n			10mΔ	1.0	0	70	2		TO116
65▼	RSN54H00H	4		MON	2.0%	.80*	TTL	2		0.0	5.0	12nΔ			54m%		-55	125	4	G04461	FP69b
66▼	RSN54H10H	4		MON	2.0%	.80*	TTL	3		0.0	5.0	12nΔ			54m%		-55	125	3	G04461a	FP69b
67▼	RSN54H20H	4		MON	2.0%	.80*	TTL	4		0.0	5.0	12nΔ			54m%		-55	125	2	G04461b	FP69b
68▼	RSN54H31H	4		MON	2.0%	.80*	TTL	11		0.0	5.0	20nΔ			54m%		-55	125	1	G04461c	FP69b
69▼	RSN54H40H	4		MON	2.0%	.80*	TTL	4		0.0	5.0	12nΔ			135m%		-55	125	2	G04465	FP69b
70▼	RSN5400H	4		MON	2.0%	.80*	TTL	2		0.0	5.0	18nΔ			28m%		-55	125	4	G04461	FP69b
71▼	RSN5410H	4		MON	2.0%	.80*	TTL	3		0.0	5.0	18nΔ			28m%		-55	125	3	G04461a	FP69b
72▼	RSN5420H	4		MON	2.0%	.80*	TTL	4		0.0	5.0	18nΔ			28m%		-55	125	2	G04461b	FP69b
73▼	RSN5431H	4		MON	2.0%	.80*	TTL	11		0.0	5.0	25nΔ			28m%		-55	125	1	G04461c	FP69b
74▼	RSN5440H	4		MON	2.0%	.80*	TTL	4		0.0	5.0	18nΔ			63m%		-55	125	2	G04465	FP69b
75	S54H00A	4			2.0%	.80*	TTL	2	10	0.0	5.0	6.2n					-55	125	4	G04377	M105q
76	S54H00Q	4			2.0%	.80*	TTL	2	10	0.0	5.0	6.2n					-55	125	4	G04377d	TO88
77	S54H01A	4			2.0%	.80*	TTL	2	10	0.0	5.0	10n					-55	125	4	G04387	M105q
78	S54H01Q	4			2.0%	.80*	TTL	2	10	0.0	5.0	10n					-55	125	4	G04387	TO88
79	S54H10A	4			2.0%	.80*	TTL	3	10	0.0	5.0	6.3n			165m%		-55	125	3	G04377a	M105q
80	S54H10Q	4			2.0%	.80*	TTL	3	10	0.0	5.0	6.3n			156m%		-55	125	3	G04377e	TO88
81	S54H20A	4			2.0%	.80*	TTL	4	10	0.0	5.0	7.0n			110m%		-55	125	2	G04377b	M105q
82	S54H20Q	4			2.0%	.80*	TTL	4	10	0.0	5.0	7.0n			110m%		-55	125	2	G04377f	TO88
83	S54H22A	4			2.0%	.80*	TTL	4	10	0.0	5.0	10n			110m%		-55	125	2	G04387b	M105q
84	S54H22Q	4			2.0%	.80*	TTL	4	10	0.0	5.0	10n			110m%		-55	125	2	G04387b	TO88
85	S54H30A	4			2.0%	.80*	TTL	8	10	0.0	5.0	8.9n			55m%		-55	125	1	G04377g	M105q
86	S54H30Q	4			2.0%	.80*	TTL	8	10	0.0	5.0	8.9n			55m%		-55	125	1	G04377g	TO88
87	S54H40A	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	12n%					-55	125	2	G04388a	TO116
88	S54H40Q	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	12n%					-55	125	2	G04388	TO88
89	S5400A	4			2.0%	.80*	TTL	2	10	0.0	5.0	8.0n			231m%		-55	125	4	G04273d	M105q
90	S5400J	4			2.0%	.80*	TTL	2	10	0.0	5.0	8.0n			231m%		-55	125	4	G04273d	TO88
91	S5401A	4			2.0%	.80*	TTL	2	10	0.0	5.0	20nΔ			231m%		-55	125	4	G04399	M105q
92	S5401J	4			2.0%	.80*	TTL	2	10	0.0	5.0	20nΔ			231m%		-55	125	4	G04399	TO88
93	S5403A	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45n					-55	125	4	G04425a	TO116
94	S5410A	4			2.0%	.80*	TTL	3	10	0.0	5.0	8.0n			231m%		-55	125	3	G04273e	M105q
95	S5410J	4			2.0%	.80*	TTL	3	10	0.0	5.0	8.0n			231m%		-55	125	3	G04273b	TO88
96	S5420A	4			2.0%	.80*	TTL	4	10	0.0	5.0	8.0n			231m%		-55	125	2	G04273f	M105q
97	S5420J	4			2.0%	.80*	TTL	4	10	0.0	5.0	8.0n			231m%		-55	125	2	G04273a	TO88
98	S5426A	4		MON	2.0%	.80*	TTL	2		0.0	5.0	24nΔ					-55	125	4	G04342b	TO116
99	S5426F	4		MON	2.0%	.80*	TTL	2		0.0	5.0	24nΔ					-55	125	4	G04342b	M157
100	S5430A	4			2.0%	.80*	TTL	8	10	0.0	5.0	8.0n			231m%		-55	125	1	G04273	M105q
101	S5430J	4			2.0%	.80*	TTL	8	10	0.0	5.0	8.0n			231m%		-55	125	1	G04273	TO88
102	S5440A	4			2.0%	.80*	TTL	4	30	0.0	5.0	8.0n			412m%		-55	125	2	G0415b	M105q
103	S5440Q	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	8.0n					-55	125	2	G04388	TO88
104#	SFC400E	4		MON	2.0%	.80*	TTL	2	10	0.0	7.0	13n			10mΔ	400m*	0	70	4	G0414e	TO116
105#	SFC400EM	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	13n			40mt	400m	-55	125	4	G04358f	TO116
106#	SFC400ET	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	13n			40mt	400m	-25	85	4	G04358f	TO116
107#	SFC400EV	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	13n			40mt	400m	-40	85	4	G04358f	TO116
108#	SFC400HE	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	6.0n			40mt	400m	0	70	4	G04358f	TO116
109#	SFC400HEM	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	6.0n			40mt	400m	-55	125	4	G04358f	TO116
110#	SFC400HP	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	6.0n			40mt	400m	0	70	4	G04358e	TO85

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1#	SFC400HPM	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	6.0n			40mt	400m	-55	125	4	G04358c	TO85
2#	SFC400P	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	13n			40mt	400m	0	70	4	G04358e	TO85
3#	SFC400PM	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	13n			40mt	400m	-55	125	4	G04358e	TO85
4#	SFC401AE	4		MON	2.0%	.80*	TTL	2	10	0.0	7.0				10mΔ	400m*	0	70	4	G04233b	TO116
5#	SFC401E	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	23nΔ			40mt	400m	0	70	4	G04387a	TO116
6#	SFC401EM	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	23nΔ			40mt	400m	-55	125	4	G04387a	TO116
7#	SFC401ET	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	23nΔ			40mt	400m	-25	85	4	G04387a	TO116
8#	SFC401EV	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	23nΔ			40mt	400m	-40	85	4	G04387a	TO116
9#	SFC401HE	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	7.0n			40mt	400m	0	70	4	G04387	TO116
10#	SFC401HEM	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	7.0n			40mt	400m	0	70	4	G04387	TO116
11#	SFC401HP	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	7.0n			40mt	400m	-55	125	4	G04387	TO85
12#	SFC401HPM	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	7.0n			40mt	400m	-55	125	4	G04387	TO85
13#	SFC401P	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	23nΔ			40mt	400m	0	70	4	G04387	TO85
14#	SFC401PM	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	23nΔ			40mt	400m	-55	125	4	G04387	TO85
15#	SFC403E	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	23nΔ			40mt	1.0 Δ	0	70	4	G04399b	TO116
16#	SFC403EM	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	23nΔ			40mt	1.0 Δ	-55	125	4	G04399b	TO116
17#	SFC403ET	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	23nΔ			40mt	1.0 Δ	-25	85	4	G04399b	TO116
18#	SFC403EV	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	23nΔ			40mt	1.0 Δ	-40	85	4	G04399b	TO116
19#	SFC410E	4		MON	2.0%	.80*	TTL	3	10	0.0	7.0	13n			10mΔ	400m*	0	70	3	G0414a	TO116
20#	SFC410EM	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	32nΔ			1.0mt	400m*	-55	125	3	G0414a	TO116
21#	SFC410ET	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	32nΔ			1.0mt	400m*	-25	85	3	G0414a	TO116
22#	SFC410HE	4		MON	2.0%	.80*	TTL	3	20	0.0	5.0	10nΔ			60mt	400m	0	70	3	G0415f	TO116
23#	SFC410HEM	4		MON	2.0%	.80*	TTL	3	20	0.0	5.0	10nΔ			60mt	400m	-55	125	3	G0415f	TO116
24#	SFC410HP	4		MON	2.0%	.80*	TTL	3	20	0.0	5.0	10nΔ			60mt	400m	0	70	3	G0415f	TO85
25#	SFC410HPM	4		MON	2.0%	.80*	TTL	3	20	0.0	5.0	10nΔ			60mt	400m	-55	125	3	G0415f	TO85
26#	SFC420E	4		MON	2.0%	.80*	TTL	4	10	0.0	7.0	13n			10mΔ	400m*	0	70	2	G0414b	TO116
27#	SFC420EM	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			1.0mt	400m*	-55	85	2	G0414b	TO116
28#	SFC420ET	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			10mt	400m*	-25	85	2	G0414b	TO116
29#	SFC420HEM	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	10nΔ				1.0 Δ	-55	125	2	G0415b	TO116
30#	SFC426E	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	24nΔ			110m%		0	70	4		TO116
31#	SFC426EM	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	24nΔ			110m%		-55	125	4		TO116
32#	SFC426ET	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	24nΔ			110m%		-25	85	4		TO116
33#	SFC430E	4		MON	2.0%	.80*	TTL	8	10	0.0	7.0	13n			10mΔ	400m*	0	70	1	G0414c	TO116
34#	SFC430EM	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ			10mt	1.0	-55	125	1	G0414c	TO116
35#	SFC430ET	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ			10mt	1.0	-25	85	1	G0414c	TO116
36#	SFC430HEM	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	11nΔ				1.0 Δ	-55	125	1	G04150a	TO116
37#	SFC430LE	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	60nΔ			1.0mt	1.0 Δ	0	70	1	G0414c	TO116
38#	SFC437E	4		MON	2.0%	.80*	TTL	2		0.0	5.0	22nΔ			297m		0	70	4	G04388b	TO116
39#	SFC437EM	4		MON	2.0%	.80*	TTL	2		0.0	5.0	22nΔ			297m		-55	125	4	G04388b	TO116
40#	SFC437ET	4		MON	2.0%	.80*	TTL	2		0.0	5.0	22nΔ			297m		-25	85	4	G04388b	TO116
41#	SFC438E	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			297m		0	70	4	G04387c	TO116
42#	SFC438EM	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			297m		-55	125	4	G04387c	TO116
43#	SFC438ET	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			297m		-25	85	4	G04387c	TO116
44#	SFC440E	4		MON	2.0%	.80*	TTL	4	30	0.0	7.0	13n			27mΔ	400m*	0	70	2	G0415b	TO116
45#	SFC440EM	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	22nΔ			135m%	1.0 Δ	-55	125	2	G0415b	TO116
46#	SFC440ET	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	22nΔ			135m%	1.0 Δ	-25	85	2	G0415b	TO116
47#	SFC440HEM	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	10nΔ				1.0 Δ	-55	125	2	G0415b	TO116
48♦	SN54H00J	4		MON	2.0%	.80*	TTL	2	10	0	7	10nΔ				1.0 Δ	-55	125	4	G0415a	M157b
49	SN54H00N	4		MON	2.0%	.80*	TTL	2	10	0	7	10nΔ				1.0 Δ	-55	125	4	G0415a	M126
50♦	SN54H00W	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	10nΔ				1.0 Δ	-55	125	4	G0415a	Δ004AA
51♦	SN54H01J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	9.0nΔ			80mt	1.0 Δ	-55	125	4	G04386	M157b
52	SN54H01N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	9.0nΔ			80mt	1.0 Δ	-55	125	4	G04386	M126
53♦	SN54H01W	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	9.0nΔ				1.0 Δ	-55	125	4	G04386	Δ004AA
54♦	SN54H10J	4		MON	2.0%	.80*	TTL	3	10	0	7	10nΔ				1.0 Δ	-55	125	3	G0415f	M157b
55	SN54H10N	4		MON	2.0%	.80*	TTL	3	10	0	7	10nΔ				1.0 Δ	-55	125	3	G0415f	M126
56♦	SN54H10W	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	10nΔ				1.0 Δ	-55	125	3	G0415f	Δ004AA
57♦	SN54H20J	4		MON	2.0%	.80*	TTL	4	10	0	7	10nΔ				1.0 Δ	-55	125	2	G0415b	M157b
58	SN54H20N	4		MON	2.0%	.80*	TTL	4	10	0	7	10nΔ				1.0 Δ	-55	125	2	G0415b	M126
59♦	SN54H20W	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	10nΔ				1.0 Δ	-55	125	2	G0415b	Δ004AA
60♦	SN54H22J	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	9.0n			75mt	1.0 Δ	-55	125	2	G04387b	M157b
61	SN54H22N	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	9.0n			75mt	1.0 Δ	-55	125	2	G04387b	M126
62♦	SN54H22W	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	9.0nΔ				1.0 Δ	-55	125	2	G04387b	Δ004AA
63♦	SN54H30J	4		MON	2.0%	.80*	TTL	8	10	0	7	11nΔ				1.0 Δ	-55	125	1	G04150a	M157b
64	SN54H30N	4		MON	2.0%	.80*	TTL	8	10	0	7	11nΔ				1.0 Δ	-55	125	1	G04150a	M126
65♦	SN54H30W	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	11nΔ				1.0 Δ	-55	125	1	G04150a	Δ004AA
66♦	SN54H40J	4		MON	2.0%	.80*	TTL	4	30	0	7	10nΔ				1.0 Δ	-55	125	2	G0415b	M157b
67	SN54H40N	4		MON	2.0%	.80*	TTL	4	30	0	7	10nΔ				1.0 Δ	-55	125	2	G0415b	M126
68♦	SN54H40W	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	10nΔ				1.0 Δ	-55	125	2	G0415b	Δ004AA
69	SN54S00J	4		MON	2.0%	.80*	TTL	2	20	0.0	5.0	3.0n			76mt	1.0 Δ	-55	125	4	G04377	M157b
70	SN54S00N	4		MON	2.0%	.80*	TTL	2	20	0.0	5.0	3.0n			76mt	1.0 Δ	-55	125	4	G04377	M126e
71	SN54S00W	4		MON	2.0%	.80*	TTL	2	20	0.0	5.0	3.0n			76mt	1.0 Δ	-55	125	4	G04377	Δ004AA
72	SN54S03J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	5.0n			68mt	1.0 Δ	-55	125	4	G04386	M157b
73	SN54S03N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	7.5nΔ			68mt	1.0 Δ	-55	125	4	G04386	M126e
74	SN54S03W	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	7.5nΔ			68mt	1.0 Δ	-55	125	4	G04386	Δ004AA
75	SN54S10J	4		MON	2.0%	.80*	TTL	3	20	0.0	5.0	3.0n			57mt	1.0 Δ	-55	125	3	G04377a	M157b
76	SN54S10W	4		MON	2.0%	.80*	TTL	3	20	0.0	5.0	3.0n			57mt	1.0 Δ	-55	125	3	G04377a	Δ004AA
77	SN54S20J	4		MON	2.0%	.80*	TTL	4	20	0.0	5.0	3.0n			38mt	1.0 Δ	-55	125	2	G04377b	M157b
78	SN54S20N	4		MON	2.0%	.80*	TTL	4	20	0.0	5.0	5.0nΔ			38mt	1.0 Δ	-55	125	2	G04377b	M126e
79	SN54S20W	4		MON	2.0%	.80*	TTL	4	20	0.0	5.0	5.0nΔ			38mt	1.0 Δ	-55	125	2	G04377b	Δ004AA
80	SN54S22J	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	5.0n			34mt	1.0 Δ	-55	125	2	G04386b	M157b
81	SN54S22N	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	7.5nΔ			34mt	1.0 Δ	-55	125	2	G04386b	M126e
82	SN54S22W	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	7.5nΔ			34mt	1.0 Δ	-55	125	2	G04386b	Δ004AA
83▼	SN54S37J	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	4.0n			440m	1.0 Δ	-55	125	4	G04464a	Δ001AA
84▼	SN54S37W	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	4.0n			440m	1.0 Δ	-55	125	4	G04464a	Δ004AA
85▼	SN54S38J	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	6.5n			440m	1.0 Δ	-55	125	4	G04464	Δ001AA
86▼	SN54S38W	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	6.5n			440m	1.0 Δ	-55	125	4	G04464	Δ004AA
87	SN54S40J	4		MON	2.0%	.80*	TTL	4	60	0.0	5.0	4.0n			110m%	1.0 Δ	-55	125	2	G04377b	M157b
88	SN54S40N	4		MON	2.0%	.80*	TTL	4	60	0.0	5.0	4.0n			110m%	1.0 Δ	-55	125	2	G04377b	M126e
89	SN54S40W	4		MON	2.0%	.80*	TTL	4	60	0.0	5.0	4.0n			110m%	1.0 Δ	-55	125	2	G04377b	Δ004AA
90	SN54S140J	4		MON	2.0%	.80*	TTL	4	60	0.0	5.0	4.0n			110m%	1.0 Δ	-55	125	2	G04377b	M157b
91	SN54S140N	4		MON	2.0%	.80*	TTL	4	60	0.0	5.0	4.0n			110m%	1.0 Δ	-55	125	2	G04377b	M126e
92	SN54S140W	4		MON	2.0%	.80*	TTL	4	60	0.0	5.0	4.0n			110m%	1.0 Δ	-55	125	2	G04377b	Δ004AA
93♦	SN74H00J	4		MON	2.0%	.80*	TTL	2	10	0	7	10nΔ				1.0 Δ	0	70	4	G0415a	M157b
94♦	SN74H00N	4		MON	2.0%	.80*	TTL	2	10	0	7	10nΔ				1.0 Δ	0	70	4	G0415a	M126e
95	SN74H00W	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	10nΔ			90mt	1.0 Δ	0	70	4	G0415a	TO84
96♦	SN74H01J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	9.0nΔ			80mt	1.0 Δ	0	70	4	G04386	M157b
97♦	SN74H01N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	9.0nΔ			80mt	1.0 Δ	0	70	4	G04386	M126e
98	SN74H01W	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	9.0nΔ			90mt	1.0 Δ	0	70	4	G04386	TO84
99♦	SN74H10J	4		MON	2.0%	.80*	TTL	3	10	0	7	10nΔ				1.0 Δ	0	70	3	G0415f	M157b
100♦	SN74H10N	4		MON	2.0%	.80*	TTL	3	10	0	7	10nΔ				1.0 Δ	0	70	3	G0415f	M126e
101	SN74H10W	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	10nΔ			80mt	1.0 Δ	0	70	4	G0415f	TO84
102♦	SN74H20J	4		MON	2.0%	.80*	TTL	4	10	0	7	10nΔ				1.0 Δ	0	70	2	G0415b	M157b
103♦	SN74H20N	4		MON	2.0%	.80*	TTL	4	10	0	7	10nΔ				1.0 Δ	0	70	2	G0415b	M126e
104	SN74H20W	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	10nΔ			62mt	1.0 Δ	0	70	3	G0415b	TO84
105♦	SN74H22J	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	9.0n			75mt	1.0 Δ	0	70	2	G04387b	M157b
106♦	SN74H22N	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	9.0n			75mt	1.0 Δ	0	70	2	G04387b	M126e
107	SN74H22W	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	9.0n			75mt	1.0 Δ	0	70	2	G04387b	TO84
108♦	SN74H30J	4		MON	2.0%	.80*	TTL	8	10	0	7	11nΔ				1.0 Δ	0	70	1	G04150a	M157b
109♦	SN74H30N	4		MON	2.0%	.80*	TTL	8	10	0	7	11nΔ				1.0 Δ	0	70	1	G04150a	M126e
110	SN74H30W	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	11nΔ			22mt	1.0 Δ	0	70	1	G04150a	TO84

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1♦	SN74H40J	4		MON	2.0%	80*	TTL	4	30	0	7	10nΔ				1.0 Δ	0	70	2	G0415b	M157b
2♦	SN74H40N	4		MON	2.0%	80*	TTL	4	30	0	7	10nΔ				1 0 Δ	0	70	2	G0415b	M126e
3	SN74H40W	4		MON	2 0%	.80*	TTL	4	30	0.0	5.0	10nΔ			90mt	1 0 Δ	0	70	2	G0415b	TO84
4	SN74S00J	4		MON	2.0%	80*	TTL	2	20	0.0	5 0	3 0n			76mt	1.0 Δ	0	70	4	G04377	M157b
5	SN74S00N	4		MON	2 0%	80*	TTL	2	20	0 0	5 0	3.0n			76mt	1.0 Δ	0	70	4	G04377	M126e
6	SN74S00W	4		MON	2 0%	80*	TTL	2	20	0.0	5 0	3.0n			76mt	1.0 Δ	0	70	4	G04377	Δ004AA
7	SN74S03J	4		MON	2 0	80*	TTL	2	10	0.0	5 0	5 0n			68mt	1.0 Δ	0	70	4	G04386	M157b
8	SN74S03N	4		MON	2 0%	80*	TTL	2	10	0.0	5 0	7 5nΔ			68mt	1.0 Δ	0	70	4	G04386	M126e
9	SN74S03W	4		MON	2.0%	.80*	TTL	2	10	0.0	5 0	7.5nΔ			68mt	1.0 Δ	0	70	4	G04386	Δ004AA
10	SN74S10J	4		MON	2 0%	80*	TTL	3	20	0.0	5 0	3.0n			57mt	1.0 Δ	0	70	3	G04377a	M157b
11	SN74S10N	4		MON	2.0%	.80*	TTL	3	20	0.0	5.0	3.0n			57mt	1.0 Δ	0	70	3	G04377a	M126e
12	SN74S10W	4		MON	2.0%	.80*	TTL	3	20	0.0	5 0	3.0n			57mt	1.0 Δ	0	70	3	G04377a	Δ004AA
13	SN74S20J	4		MON	2.0%	.80*	TTL	4	20	0.0	5 0	3.0n			38mt	1.0 Δ	0	70	2	G04377b	M157b
14	SN74S20N	4		MON	2 0%	.80*	TTL	4	20	0.0	5.0	5.0nΔ			38mt	1.0 Δ	0	70	2	G04377b	M126e
15	SN74S20W	4		MON	2.0%	.80*	TTL	4	20	0.0	5.0	5.0nΔ			38mt	1.0 Δ	0	70	2	G04377b	Δ004AA
16	SN74S22J	4		MON	2.0%	80*	TTL	4	10	0.0	5.0	5.0n			34mt	1.0 Δ	0	70	2	G04386b	M157b
17	SN74S22N	4		MON	2 0%	80*	TTL	4	10	0.0	5.0	7 5nΔ			34mt	1.0 Δ	0	70	2	G04386b	M126e
18	SN74S22W	4		MON	2.0%	80*	TTL	4	10	0.0	5 0	7 5nΔ			34mt	1 0 Δ	0	70	2	G04386b	Δ004AA
19▼	SN74S37J	4		MON	2 0%	80*	TTL	2	30	0.0	5 0	4 0n			440m	1 0 Δ	0	70	4	Go4464a	Δ001AA
20▼	SN74S37N	4		MON	2.0%	.80*	TTL	2	30	0.0	5 0	4 0n			440m	1 0 Δ	0	70	4	G04464a	Δ004AA
21▼	SN74S38J	4		MON	2 0%	.80*	TTL	2	30	0.0	5 0	6 5m			440m	1.0 Δ	0	70	4	G04464	Δ001AA
22▼	SN74S38N	4		MON	2.0%	.80*	TTL	2	30	0 0	5 0	6.5n			440m	1.0 Δ	0	70	4	G04464	Δ004AA
23	SN74S40J	4		MON	2.0%	.80*	TTL	4	60	0 0	5 0	4 0n			110m%	1.0 Δ	0	70	2	G04377b	M157b
24	SN74S40N	4		MON	2 0%	.80*	TTL	4	60	0 0	5.0	4.0n			110m%	1.0 Δ	0	70	2	G04377b	M126e
25	SN74S40W	4		MON	2 0%	80*	TTL	4	60	0.0	5 0	4 0n			110m%	1.0 Δ	0	70	2	G04377b	Δ004AA
26	SN74S140J	4		MON	2 0%	80*	TTL	4	60	0.0	5.0	4.0n			110m%	1.0 Δ	0	70	2	G04377b	M157b
27	SN74S140N	4		MON	2.0%	.80*	TTL	4	60	0.0	5 0	4.0n			110m%	1.0 Δ	0	70	2	G04377b	M126e
28	SN74S140W	4		MON	2.0%	.80*	TTL	4	60	0.0	5 0	4 0n			110m%	1.0 Δ	0	70	2	G04377b	Δ004AA
29♦	SN5400J	4		MON	2.0%	.80*	TTL	2	10	0 0	5 5	22n			10mΔ	1.0	-55	125	4	G0414	M157b
30	SN5400N	4		MON	2 0%	.80*	TTL	2	10	0 0	5 5	22n			10mΔ	1.0	-55	125	4		M75a
31♦	SN5400W	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22n%			40mt	1.0 Δ	-55	125	4	G0414	Δ004AA
32♦	SN5401J	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	45nΔ			40mt	1.0 Δ	-55	125	4	G04233a	M157b
33	SN5401N	4		MON	2 0%	80*	TTL	2	10	0 0	5 5	30nΔ			10mΔ	1.0	-55	125	4		M75a
34♦	SN5401W	4		MON	2 0%	80*	TTL	2	10	0 0	5.0	45nΔ			40mt	1.0 Δ	-55	125	4	G04233a	Δ004AA
35♦	SN5403J	4		MON	2 0%	.80*	TTL	2	10	0 0	5 0	45nΔ			40mt	1.0 Δ	-55	125	4	G04399a	M157b
36	SN5403N	4		MON	2.0%	.80*	TTL	2	10	0.0	5 0	45nΔ			40mt	1.0 Δ	-55	125	4	G04399a	M126
37▼	SN5403W	4		MON	2 0%	.80*	TTL	2	10	0 0	5 0	45nΔ			40mt	1.0 Δ	-55	125	4	G04399a	Δ004AA
38♦	SN5410J	4		MON	2 0%	.80*	TTL	3	10	0.0	5 0	22nΔ			10mΔ	1.0	-55	125	3	G0414a	M157a
39	SN5410N	4		MON	2.0%	80*	TTL	3	10	0 0	5.5	22n			10mΔ	1.0	-55	125	3		M75a
40	SN5420N	4		MON	2.0%	80*	TTL	4	10	0 0	5.5	22n			10mΔ	1.0	-55	125	2		M75a
41	SN5422J	4		MON	2.0%	80*	TTL	4	10	0.0	5 0	45nΔ			55m%	1.0 Δ	-55	125	2	G04387b	M157b
42	SN5422W	4		MON	2.0%	.80*	TTL	4	10	0.0	5 0	45nΔ			55m%	1.0 Δ	-55	125	2	G04387b	Δ004AA
43♦	SN5426J	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	24nΔ			110m%		-55	125	4	G04342a	M157b
44	SN5426N	4		MON	2.0%	80*	TTL	2	10	0 0	5.0	24nΔ			110m%		-55	125	4	G04342a	M126a
45▼	SN5426W	4		MON	2.0%	.80*	TTL	2	10	0.0	5 0	24nΔ			110m%		-55	125	4	G04342a	Δ004AA
46♦	SN5430J	4		MON	2.0%	.80*	TTL	8	10	0.0	5 0	22nΔ			10mt	1.0 Δ	-55	125	1	G0414c	M157b
47	SN5430N	4		MON	2.0%	80*	TTL	8	10	0	5.5	22n%			10mt	1.0	-55	125	1		M75a
48♦	SN5430W	4		MON	2.0%	.80*	TTL	8	10	0 0	5.0	22n%			10mt	1.0 Δ	-55	125	1	G0414c	Δ004AA
49	SN5437J	4		MON	2.0%	.80*	TTL	2		0.0	5 0	22nΔ			297m		-55	125	4	G04388b	M157b
50	SN5437N	4		MON	2 0%	.80*	TTL	2		0.0	5.0	22nΔ			297m		-55	125	4	G04388b	M126e
51♦	SN5437W	4		MON	2 0%	.80*	TTL	2		0 0	5.0	22nΔ			297m		-55	125	4	G04388b	Δ004AA
52	SN5438J	4		MON	2.0%	.80*	TTL	2		0 0	5 0	22nΔ			297m		-55	125	4	G04387c	M157b
53	SN5438N	4		MON	2.0%	.80*	TTL	2		0.0	5 0	22nΔ			297m		-55	125	4	G04387c	M126e
54♦	SN5438W	4		MON	2 0%	.80*	TTL	2		0.0	5.0	22nΔ			297M		-55	125	4	G04387c	Δ004AA
55♦	SN5440J	4		MON	2.0%	.80*	TTL	4	30	0 0	5.0	22nΔ			135m%	1.0 Δ	-55	125	2	G0415b	M157b
56	SN5440N	4		MON	2 0%	80*	TTL	4	30	0.0	5.0	22nΔ			135m%	1.0 Δ	-55	125	2	G0415b	M126e
57	SN5440W	4		MON	2.0%	.80*	TTL	4	30	0.0	5 0	22nΔ			135m%	1.0 Δ	-55	125	2	G0415b	Δ004AA
58#	SN6400N	4		MON	2 0%	.80*	TTL	2	10	0.0	7.0	22n%			10mt	1.0	-40	85	4	G0414	M126
59#	SN6401AN	4		MON	2.0%	.80*	TTL	2	10	0 0	5 0	30n%			10mΔ	1.0	-40	85	4	G04233a	M75a
60#	SN6401N	4		MON	2.0%	.80*	TTL	2	10	0 0	7 0	30n%			10mt	1.0	-40	85	4	G04233a	M126
61#	SN6403N	4		MON	2 0%	80*	TTL	2	10	0.0	5.0	30n%			10mΔ	1 0	-40	85	4	G04233b	M75a
62#	SN6410N	4		MON	2.0%	.80*	TTL	3	10	0 0	7 0	22n%			10mt	1.0	-40	85	3	G0414a	M126
63#	SN6420N	4		MON	2.0%	.80*	TTL	2	4	10	0.0	7.0	22n%		10mt	1.0	-40	85	2	G0414b	M126
64#	SN6430N	4		MON	2.0%	.80*	TTL	8	10	0 0	7.0	22n%			10mt	1 0	-40	85	1	G0414c	M126
65#	SN6440N	4		MON	2.0%	.80*	TTL	4	30	0 0	7 0	13n%			27mt	1 0	-40	85	2	G0415	M75a
66♦	SN7400J	4		MON	2.0%	.80*	TTL	2	10	0.0	7.0	22n			10mΔ	1 0	0	70	4	G0414	M157b
67♦	SN7400N	4		MON	2.0%	.80*	TTL	2	10	0 0	7 0	22n			10mΔ	1.0	0	70	4	G0414	M126e
68♦	SN7401J	4		MON	2.0%	.80*	TTL	2	10	0 0	5 0	45nΔ			40mt	1 0 Δ	0	70	4	G04233a	M157b
69♦	SN7401N	4		MON	2.0%	.80*	TTL	2	10	0 0	5 0	30n%			10mΔ	1.0	0	70	4	G04233a	M126e
70♦	SN7403J	4		MON	2 0%	80*	TTL	2	10	0.0	5.0	45n%			40mt	1.0 Δ	0	70	4	G04399a	M157b
71♦	SN7403N	4		MON	2.0%	.80*	TTL	2	10	0 0	5.0	45n%			40mt	1.0 Δ	0	70	4	G04399a	M126e
72♦	SN7410J	4		MON	2.0%	80*	TTL	3	10	0.0	5 0	22n			10mΔ	1.0	0	70	3	G0414a	M157b
73♦	SN7410N	4		MON	2.0%	.80*	TTL	3	10	0 0	5 0	22n			10mΔ	1.0	0	70	3	G0414a	M126e
74♦	SN7420N	4		MON	2.0%	80*	TTL	4	10	0 0	7 0	22n			10mΔ	1.0	0	70	2	G0414b	M126e
75	SN7422J	4		MON	2.0%	80*	TTL	4	10	0.0	5.0	35n			55m%	1.0 Δ	0	70	2	G04387b	M157b
76	SN7422N	4		MON	2.0%	80*	TTL	4	10	0 0	5.0	35n			55m%	1 0 Δ	0	70	2	G04387b	M126e
77♦	SN7426J	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	24nΔ			110m%		0	70	4	G04342a	M157b
78♦	SN7426N	4		MON	2.0%	.80*	TTL	2	10	0.0	5 0	24nΔ			110m%		0	70	4	G04342a	M126e
79♦	SN7430J	4		MON	2.0%	.80*	TTL	8	10	0 0	5.0	22nΔ			10mt	1.0 Δ	0	70	1	G0414c	M157b
80♦	SN7430N	4		MON	2.0%	.80*	TTL	8	10	0	7	22n%			10mt	1 0	0	70	1	G0414c	M126e
81	SN7437J	4		MON	2.0%	.80*	TTL	2		0 0	5.0	22nΔ			297m		0	70	4	G04388b	M157b
82	SN7437N	4		MON	2.0%	80*	TTL	2		0 0	5.0	22nΔ			297m		0	70	4	G04388b	M126e
83	SN7437W	4		MON	2.0%	80*	TTL	2		0.0	5.0	22nΔ			297m		0	70	4	G04388b	TO84
84	SN7438J	4		MON	2.0%	.80*	TTL	2		0.0	5.0	22nΔ			297m		0	70	4	G04387c	M157b
85	SN7438N	4		MON	2.0%	.80*	TTL	2		0.0	5 0	22nΔ			297m		0	70	4	G04387c	M126e
86	SN7438W	4		MON	2.0%	.80*	TTL	2		0.0	5 0	22nΔ			297m		0	70	4	G04387c	TO84
87	SN7440J	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	22nΔ			135m%	1.0 Δ	0	70	2	G0415b	M157b
88	SN7440N	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	22nΔ			135m%	1.0 Δ	0	70	2	G0415b	M126e
89	SN7440W	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	22nΔ			135m%	1.0 Δ	0	70	2	G0415b	Δ004AA
90	SW5400J	4		MON	2.0%	.80*	TTL	2	10	0 0	5.5	22n%			10m	1.0	-55	125	4	G04358f	M114
91	SW5401J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.5	30n%			10m	1 0	-55	125	4	G04233a	M114
92	SW5403J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.5	30n%			10m	1.0	-55	125	4	G04233b	M114
93▼	SW5408J	4		MON	2 0%	.80*	TTL	2	10	0 0	5.0	27nΔ			130m%		-55	125	4	G04414	M157
94	SW5410J	4		MON	2.0%	.80*	TTL	3	10	0.0	5.5	22n%			10mΔ	1.0	-55	125	3	G0414a	M114
95	SW5420J	4		MON	2.0%	.80*	TTL	4	10	0 0	5 5	22n%			10mΔ	1.0	-55	125	2	G0414b	M114
96	SW5426J	4		MON	2.0%	.80*	TTL	2	10	0 0	5 0	24nΔ			110m%		-55	125		G04342a	TO116
97	SW5430J	4		MON	2 0%	.80*	TTL	8	10	0 0	5 5	22n%			10mΔ	1.0	-55	125	1	G0414c	M114
98	SW5437J	4		MON	2.0%	.80*	TTL	2	30	0 0	5.0	22nΔ			297m		-55	125	4	G04388b	TO116
99	SW5438J	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			297m		-55	125	4	G04388c	TO116
100	SW5440J	4		MON	2.0%	.80*	TTL	4	30	0.0	5 5	22n%			40m	1 0	-55	125	2	G0415b	M114
101	SW7400J	4		MON	2.0%	.80*	TTL	2	10	0.0	5 25	22n%			40m	1.0	0	70	4	G04358f	M114
102	SW7400N	4		MON	2.0%	.80*	TTL	2	10	0.0	5 25	22n%			10m	1.0	0	70	4	G04358f	M105n
103	SW7401J	4		MON	2.0%	.80*	TTL	2	10	0 0	5 25	30n%			10m	1.0	0	70	4	G04233a	M114
104	SW7401N	4		MON	2.0%	80*	TTL	2	10	0.0	5 25	30n%			10m	1.0	0	70	4	G04233a	M105n
105	SW7403J	4		MON	2 0%	.80*	TTL	2	10	0 0	5 25	30n%			10m	1.0	0	70	4	G04233b	M114
106	SW7403N	4		MON	2.0%	80*	TTL	2	10	0.0	5.25	30n%			10m	1 0	0	70	4	G04233b	M105n
107▼	SW7408N	4		MON	2.0%	.80*	TTL	2	10	0 0	5 0	27nΔ			130m%		0	70	4	G04414	M126a
108	SW7410J	4		MON	2.0%	.80*	TTL	3	10	0 0	5 25	22n%			10mΔ	1.0	0	70	3	G0414a	M114
109	SW7410N	4		MON	2 0%	80*	TTL	3	10	0 0	5 25	22n%			10mΔ	1 0	0	70	3	G0414a	M105n
110	SW7420J	4		MON	2.0%	80*	TTL	4	10	0 0	5.25	22n%			10mΔ	1 0	0	70	2	G0414b	M114

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	SW7420N	4		MON	2.0%	.80*	TTL	4	10	0 0	5 25	22n%			10mΔ	1.0	0	70	2	G0414b	M105n
2	SW7426N	4		MON	2 0%	.80*	TTL	2	10	0.0	5.0	24nΔ			110m%		0	70		G04342a	M105n
3	SW7430J	4		MON	2.0%	.80*	TTL	8	10	0.0	5.25	22n%			10mΔ	1.0	0	70	1	G0414c	M114
4	SW7430N	4		MON	2.0%	.80*	TTL	8	10	0.0	5.25	22n%			10mΔ	1.0	0	70	1	G0414c	M105n
5	SW7437J	4		MON	2.0%	80*	TTL	2	30	0.0	5.0	22nΔ			297m		0	70	4	G04388b	TO116
6	SW7437N	4		MON	2.0%	.80*	TTL	2	30	0.0	5 0	22nΔ			297m		0	70	4	G04388b	M105n
7	SW7438J	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			297m		0	70	4	G04388c	TO116
8	SW7438N	4		MON	2.0%	.80*	TTL	2	30	0 0	5 0	22nΔ			297m		0	70	4	G04388c	M105n
9	SW7440J	4		MON	2.0%	.80*	TTL	4	30	0.0	5.25	13n%			27mΔ	1.0	0	70	2	G0415b	M114
10	SW7440N	4		MON	2.0%	.80*	TTL	4	30	0 0	5 25	13n%			27mΔ	1.0	0	70	2	G0415b	M105n
11#	T7400B1	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			10mΔ	1.0	0	70	4	G043as	M126h
12#	T7401B1	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			10mΔ	1.0	0	70	4	G043a	M126h
13#	T7403B1	4		MON	2.0%	.80*	TTL	2	10	0.0	5 0	45uΔ			40u†	1.0 Δ	0	70	4		M126h
14#	T7410B1	4		MON	2.0%	.80*	TTL	3	10	0.0	5 0	22nΔ			10mΔ	1.0	0	70	3	G043b	M126h
15#	T7420B1	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			10mΔ	1.0	0	70	2	G043s	M126h
16#	T7426B1	4		MON	2 0%	.80	TTL	2	10	0.0	5.0	24nΔ			110m%		0	70	4	G04342a	M126a
17#	T7430B1	4		MON	2.0%	80*	TTL	8	10	0 0	5 0	22nΔ			10m†	1 0	0	70	1	G043ay	M126h
18#	T7440B1	4		MON	2.0%	.80*	TTL	4	10	0.0	5 0	22nΔ			20m†	1.0 Δ	0	70	2		M126h
19	TG54S00F	4		MON	2.0%	.80*	TTL	2	20	0.0	5.0	5 0nΔ			180m§		-55	125	4	G04377	TO86
20	TG54S00J	4		MON	2.0%	.80*	TTL	2	20	0.0	5.0	5.0nΔ			180m§		-55	125	4	G04377	M157c
21	TG54S01F	4		MON	2.0%	.80*	TTL	4	20	0.0	5.0	7.5nΔ			45m§		-55	125	4	G04386	TO86
22	TG54S01J	4		MON	2.0%	.80*	TTL	4	20	0 0	5.0	7.5nΔ			45m§		-55	125	4	G04386	M157c
23	TG54S03F	4		MON	2.0%	.80*	TTL	2	20	0 0	5.0	7.5nΔ			45m§		-55	125	4	G04386	TO86
24	TG54S03J	4		MON	2.0%	.80*	TTL	2	20	0.0	5.0	7.5nΔ			45m§		-55	125	4	G04386	M157c
25	TG54S10F	4		MON	2.0%	.80*	TTL	3	20	0 0	5.0	5.0nΔ			120m§		-55	125	3	G04377a	TO86
26	TG54S10J	4		MON	2.0%	.80*	TTL	3	20	0.0	5.0	5.0nΔ			120m§		-55	125	3	G04377a	M157c
27	TG54S20F	4		MON	2.0%	.80*	TTL	4	20	0.0	5.0	5.0nΔ			90m§		-55	125	2	G04377c	TO86
28	TG54S20J	4		MON	2.0%	.80*	TTL	4	20	0.0	5.0	5.0nΔ			90m§		-55	125	2	G04377c	M157c
29	TG54S22F	4		MON	2 0%	.80*	TTL	2	20	0.0	5.0	7.5nΔ			45m§		-55	125	2	G04386b	TO86
30	TG54S22J	4		MON	2.0%	.80*	TTL	2	20	0.0	5.0	7 5nΔ			45m§		-55	125	2	G04386b	M157c
31	TG54S30F	4		MON	2.0%	.80*	TTL	8	20	0.0	5.0	7.0nΔ			45m§		-55	125	1	G04377g	TO86
32	TG54S30J	4		MON	2 0%	.80*	TTL	8	20	0.0	5.0	7.0nΔ			45m§		-55	125	1	G04377g	M157c
33	TG54S40F	4		MON	2 0%	.80	TTL	4	60	0.0	5.0	4.0n			110m	1.0	-55	125	2	G04386b	Δ004AA
34	TG54S40J	4		MON	2.0%	.80	TTL	4	60	0.0	5.0	4.0n			110m	1.0	-55	125	2	G04386b	M157b
35	TG54S140F	4		MON	2.0%	80	TTL	4	60	0 0	5.0	4.0n			110m	1.0	-55	125	2	G04377b	Δ004AA
36	TG54S140J	4		MON	2.0%	80	TTL	4	60	0.0	5.0	4.0n			110m	1.0	-55	125	2	G04377b	M157b
37	TG74S00F	4		MON	2.0%	.80*	TTL	2	20	0.0	5.0	5.0nΔ			180m§		0	70	4	G04377	TO86
38	TG74S00J	4		MON	2.0%	.80*	TTL	2	20	0.0	5.0	5.0nΔ			180m§		0	70	4	G04377	M157c
39	TG74S01F	4		MON	2.0%	.80*	TTL	4	20	0.0	5.0	7.5nΔ			45m§		0	70	4	G04386	TO86
40	TG74S01J	4		MON	2.0%	.80*	TTL	4	20	0.0	5.0	7 5nΔ			45m§		0	70	4	G04386	M157c
41	TG74S03F	4		MON	2.0%	.80*	TTL	2	20	0 0	5.0	7 5nΔ			45m§		0	70	4	G04386	TO86
42	TG74S03J	4		MON	2.0%	.80*	TTL	2	20	0.0	5.0	7.5nΔ			45m§		0	70	4	G04386	M157c
43	TG74S10F	4		MON	2 0%	.80*	TTL	3	20	0.0	5.0	5.0nΔ			120m§		0	70	3	G04377a	TO86
44	TG74S10J	4		MON	2 0%	80*	TTL	3	20	0.0	5.0	5 0nΔ			120m§		0	70	3	G04377a	M157c
45	TG74S20F	4		MON	2.0%	.80*	TTL	4	20	0.0	5.0	5.0nΔ			90m§		0	70	2	G04377c	TO86
46	TG74S20J	4		MON	2 0%	.80*	TTL	4	20	0.0	5.0	5.0nΔ			90m§		0	70	2	G04377c	M157c
47	TG74S22F	4		MON	2.0%	.80*	TTL	2	20	0.0	5 0	7.5nΔ			45m§		0	70	2	G04386b	TO86
48	TG74S22J	4		MON	2.0%	.80*	TTL	2	20	0.0	5.0	7.5nΔ			45m§		0	70	2	G04386b	M157c
49	TG74S30F	4		MON	2 0%	80*	TTL	8	20	0.0	5.0	7.0nΔ			45m§		0	70	1	G04377g	TO86
50	TG74S30J	4		MON	2 0%	.80*	TTL	8	20	0 0	5.0	7.0nΔ			45m§		0	70	1	G04377g	M157c
51	TG74S40F	4		MON	2 0%	.80	TTL	4	60	0 0	5.0	7.5n			110m	1.0	0	70	2	G04377b	Δ004AA
52	TG74S40J	4		MON	2.0%	.80	TTL	4	60	0.0	5.0	5 0n			110m	1.0	0	70	2	G04377b	M157b
53	TG74S140F	4		MON	2.0%	.80	TTL	4	60	0.0	5.0	4.0n			110m	1.0	0	70	2	G04377b	Δ004AA
54	TG74S140J	4		MON	2.0%	.80	TTL	4	60	0.0	5.0	4.0n			110m	1.0	0	70	2	G04377b	M157b
55#	TL4929N	4		MON	2.0%	.80*	TTL	2†	10	0.0	5.0	22nΔ			157m†		0	70	6	G04387m	M117u
56#	TL4930N	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			183m†		0	70	4	G04426b	M126n
57#	TL4931N	4		MON	2.0%	.80*	TTL	5	10	0.0	5.0	22nΔ			42m†		0	70	2	G04387n	M126n
58#	TL7400N	4		MON	2.0%	.80*	TTL	2	10	0.0	5 0	22nΔ			78m†		0	70	4	G04387k	M126n
59#	TL7401N	4		MON	2.0%	80*	TTL	2	10	0.0	5 0	45nΔ			78m†		0	70	4	G04450b	M126n
60#	TL7403N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			78m†		0	70	4	G04399b	M126n
61#	TL7410N	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	22nΔ			58m†		0	70	3	G04387j	M126n
62#	TL7412N	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	45nΔ			58m†		0	70	3	G04450c	M126n
63#	TL7420N	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			39m†		0	70	2	G04387g	M126n
64#	TL7426N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	24nΔ			78m†		0	70	4	G04330b	M126n
65#	TL7430N	4		MON	2.0%	80*	TTL	8	10	0.0	5.0	22nΔ			21m†		0	70	1	G04387b	M126n
66#	TL7437N	4		MON	2 0%	.80*	TTL	2	30	0.0	5.0	22nΔ			182m†		0	70	4	G04388b	M126n
67#	TL7438N	4		MON	2.0%	.80*	TTL	2	30	0.0	5 0	22nΔ			163m†		0	70	4	G04387c	M126n
68#	TL7440N	4		MON	2 0%	80*	TTL	2	30	0.0	5.0	22nΔ			183m†		0	70	2	G04388a	M126n
69#	TL8400N	4		MON	2 0%	.80*	TTL	2	10	0.0	5.0	22nΔ			78m†		-25	85	4	G04387k	M126n
70#	TL8401N	4		MON	2.0%	.80*	TTL	2	10	0.0	5 0	45nΔ			78m†		-25	85	4	G04450b	M126n
71#	TL8403N	4		MON	2 0%	.80*	TTL	2	10	0.0	5.0	45nΔ			78m†		-25	85	4	G04399b	M126n
72#	TL8410N	4		MON	2.0%	.80*	TTL	3	10	0 0	5 0	22nΔ			58m†		-25	85	3	G04387j	M126n
73#	TL8420N	4		MON	2.0%	.80*	TTL	4	10	0 0	5 0	22nΔ			39m†		-25	85	2	G04387g	M126n
74#	TL8430N	4		MON	2.0%	80*	TTL	8	10	0.0	5 0	22nΔ			21m†		-25	85	1	G04387b	M126n
75#	TL8440N	4		MON	2 0%	.80*	TTL	2	30	0.0	5.0	22nΔ			183m†		-25	85	2	G04388a	M126n
76#	TL49829N	4		MON	2.0%	80*	TTL	2†	10	0 0	5 0	22nΔ			157m†		-25	85	6	G04387m	M117u
77#	TL49831N	4		MON	2.0%	80*	TTL	5	10	0.0	5.0	22nΔ			42m†		-25	85	2	G04387n	M126n
78	TRW7400#1	4		MON	2.0%	.80	TTL	2	10	0.0	7 0	22n	80n		10m	1.0	0	70	4	G0414	M157
79	TRW7400#2	4		MON	2 0%	.80	TTL	2	10	0.0	7 0	22n	80n		10m	1.0	0	70	4	G0414	M126
80	TRW7401#1	4		MON	2.0%	.80	TTL	2	10	0 0	5 0	45n			40m	1.0	0	70	4	G04233a	M126
81	TRW7401#2	4		MON	2 0%	.80	TTL	2	10	0.0	5.0	45n			40m	1.0	0	70	4	G04233a	M157
82	TRW7403#1	4		MON	2 0%	80	TTL	2	10	0 0	5 0	45n			40m†	1.0	0	70	4	G04399a	M126
83	TRW7403#2	4		MON	2 0%	.80	TTL	2	10	0.0	5.0	45n			40m†	1.0	0	70	4	G04399a	M157
84	TRW7408#1	4		MON	2.0%	.80	TTL	2	10	0.0	5.0	27n			130n%		0	70	4	G0414a	M126
85	TRW7408#2	4		MON	2.0%	80	TTL	2	10	0.0	5.0	27n			130n%		0	70	4	G0414a	M157
86	TRW7410#1	4		MON	2 0%	.80	TTL	3	10	0.0	5 0	22n			30m†	1.0	0	70	3	G0414a	M126
87	TRW7410#2	4		MON	2 0%	.80	TTL	3	10	0.0	5.0	22n			30m†	1.0	0	70	3	G0414a	M157
88	TRW7420#1	4		MON	2.0%	.80	TTL	4	10	0 0	5 0	22n			20m†	1.0	0	70	2	G0414b	M126
89	TRW7420#2	4		MON	2.0%	.80	TTL	4	10	0.0	5.0	22n			20m†	1.0	0	70	2	G0414b	M157
90	TRW7430#1	4		MON	2 0%	.80	TTL	8	10	0.0	5.0	22n			10m†	1.0	0	70	1	G0414c	M126
91	TRW7430#2	4		MON	2.0%	.80	TTL	8	10	0.0	5.0	22n			10m†	1.0	0	70	1	G0414c	M157
92	TRW7437#1	4		MON	2.0%	.80	TTL	2		0.0	5.0	22n			297m		0	70	4	G04388	M126
93	TRW7437#2	4		MON	2.0%	.80	TTL	2		0.0	5.0	22n			297m		0	70	4	G04388	M157
94	TRW7438#1	4		MON	2.0%	.80	TTL	2		0.0	5.0	22n			135m%	1.0	0	70	2	G0415b	M126
95	TRW7438#2	4		MON	2.0%	.80	TTL	2		0.0	5.0	22n			135m%	1.0	0	70	2	G0415b	M157
96	US54H00A	4		MON	2.0%	.80*	TTL	2	10	0 0	5.0	10nΔ	10n	10n		1.0 Δ	-55	125	4	G0415a	M105b
97	US54H00J	4		MON	2.0%	.80*	TTL	2	10	0 0	5 0	10nΔ	10n	10n		1.0 Δ	-55	125	4	G0415a	TO88
98	US54H01A	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	15nΔ	45n	10n	80m†	1.0 Δ	-55	125	4	G04387	M105b
99	US54H01J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	15nΔ	45n	10n	80m†	1.0 Δ	-55	125	4	G04387	TO88
100	US54H10A	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	10nΔ	10n	10n		1.0 Δ	-55	125	3	G0415f	M105b
101	US54H10J	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	10nΔ	10n	10n		1.0 Δ	-55	125	3	G0415f	TO88
102	US54H20A	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	10nΔ	10n	10n		1.0 Δ	-55	125	2	G0415b	M105b
103	US54H20J	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	10nΔ	10n	10n		1.0 Δ	-55	125	2	G0415b	TO88
104	US54H22A	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	18nΔ	45n	10n	75m†	1.0 Δ	-55	125	2	G04387b	M105b
105	US54H22J	4		MON	2.0%	.80*	TTL	4	10	0.0	5 0	18nΔ	45n	10n	75m†	1.0 Δ	-55	125	2	G04387b	TO88
106	US54H30A	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	12nΔ	10n	10n		1.0 Δ	-55	125	1	G04150a	M105b
107	US54H30J	4		MON	2.0%	.80*	TTL	8	10	0.0	5 0	12nΔ	10n	10n		1.0 Δ	-55	125	1	G04150a	TO88
108	US54H37A	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	9.0n			140m†	1.0 Δ	-55	125	4	G0415a	M105b
109	US54H37J	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	9.0n			140m†	1.0 Δ	-55	125	4	G0415a	TO88
110	US54H40A	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	12nΔ	25n	10n		1 0 Δ	-55	125	2	G0415b	M105b

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	US54H40J	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	12nΔ	25n	10n		1.0 Δ	-55	125	2	G0415b	TO88
2	US74H00A	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	10nΔ	10n	10n		1.0 Δ	0	70	4	G0415a	M105b
3	US74H00J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	10nΔ	10n	10n		1.0 Δ	0	70	4	G0415a	TO88
4	US74H01A	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	15nΔ	45n	10n	80mt	1.0 Δ	0	70	4	G04387	M105b
5	US74H01J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	15nΔ	45n	10n	80mt	1.0 Δ	0	70	4	G04387	TO88
6	US74H10A	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	10nΔ	10n	10n		1.0 Δ	0	70	3	G0415f	M105b
7	US74H10J	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	10nΔ	10n	10n		1.0 Δ	0	70	3	G0415f	TO88
8	US74H20A	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	10nΔ	10n	10n		1.0 Δ	0	70	2	G0415b	M105b
9	US74H20J	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	10nΔ	10n	10n		1.0 Δ	0	70	2	G0415b	TO88
10	US74H22A	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	18nΔ	45n	10n	75mt	1.0 Δ	0	70	2	G04387b	M105b
11	US74H22J	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	18nΔ	45n	10n	75mt	1.0 Δ	0	70	2	G04387b	TO88
12	US74H30A	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	12nΔ	10n	10n		1.0 Δ	0	70	1	G04150a	M105b
13	US74H30J	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	12nΔ	10n	10n		1.0 Δ	0	70	1	G04150a	TO88
14	US74H37A	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	9.0n			140mt	1.0 Δ	0	70	4	G0415a	M105b
15	US74H37J	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	9.0n			140mt	1.0 Δ	0	70	4	G0415a	TO88
16	US74H40A	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	12nΔ	25n	10n		1.0 Δ	0	70	2	G0415b	M105b
17	US74H40J	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	12nΔ	25n	10n		1.0 Δ	0	70	2	G0415b	TO88
18	US5400A	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	10n	18n	8.0n			-55	125	4	G04358f	M105b
19	US5400J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	10n	18n	8.0n			-55	125	4	G04358e	TO88
20	US5401A	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	11n	40n	12n			-55	125	4	G04387a	M105b
21	US5401J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	11n	40n	12n			-55	125	4	G04387	TO88
22	US5403A	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	11n	40n	12n			-55	125	4	G04387b	M105b
23	US5409A	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	30nΔ	40n	12n			-55	125	4	G04401	M105b
24	US5409J	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	30nΔ	40n	12n			-55	125	4	G04401	TO88
25	US5410A	4		MON	2.0%	80*	TTL	3	10	0.0	5.0	10n	18n	8.0n			-55	125	3	G04358h	M105b
26	US5410J	4		MON	2.0%	80*	TTL	3	10	0.0	5.0	10n	18n	8.0n			-55	125	3	G04358g	TO88
27	US5420A	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	10n	18n	8.0n			-55	125	2	G04358k	M105b
28	US5420J	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	10n	18n	8.0n			-55	125	2	G04358j	TO88
29	US5426A	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	15n			40mt	1 0 Δ	-55	125	4	G04387a	M105b
30	US5430A	4		MON	2 0%	.80*	TTL	8	10	0.0	5.0	10n	18n	8.0n			-55	125	1	G04358n	M105b
31	US5430J	4		MON	2.0%	80*	TTL	8	10	0.0	5.0	10n	18n	8.0n			-55	125	1	G04358m	TO88
32	US5438A	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	15n			85mt	1.0 Δ	-55	125	4	G04387	M105b
33	US5440A	4		MON	2 0%	.80*	TTL	4	30	0.0	5.0	10n	18n	8 0n			-55	125	2	G04388a	M105b
34	US5440J	4		MON	2 0%	.80*	TTL	4	30	0.0	5.0	10n	18n	8.0n			-55	125	2	G04388	TO88
35	US7400A	4		MON	2.0%	.80*	TTL	2	10	0 0	5.0	10n	18n	8.0n			0	70	4	G04358f	M105b
36	US7400J	4		MON	2.0%	.80*	TTL	2	10	0 0	5.0	10n	18n	8.0n			0	70	4	G04358e	TO88
37	US7401A	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	11n	40n	12n			0	70	4	G04387a	M105b
38	US7401J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	11n	40n	12n			0	70	4	G04387	TO88
39	US7403A	4		MON	2.0%	.80*	TTL	2	10	0 0	5.0	11n	40n	12n			0	70	4	G04387b	M105b
40	US7409A	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	30nΔ	40n	12n			0	70	4	G04401	M105b
41	US7409J	4		MON	2.0%	.80*	TTL	2	10	0 0	5.0	30nΔ	40n	12n			0	70	4	G04401	TO88
42	US7410A	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	10n	18n	8.0n			0	70	3	G04358h	M105b
43	US7410J	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	10n	18n	8 0n			0	70	3	G04358g	TO88
44	US7420A	4		MON	2.0%	.80*	TTL	4	10	0.0	5 0	10n	18n	8.0n			0	70	2	G04358k	M105b
45	US7420J	4		MON	2 0%	.80*	TTL	4	10	0.0	5 0	10n	18n	8.0n			0	70	2	G04358j	TO88
46	US7426A	4		MON	2.0%	.80*	TTL	2	10	0.0	5 0	15n			40mt	1.0 Δ	0	70	4	G04387a	M105b
47	US7430A	4		MON	2 0%	.80*	TTL	8	10	0.0	5 0	10n	18n	8.0n			0	70	1	G04358n	M105b
48	US7430J	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	10n	18n	8.0n			0	70	1	G04358m	TO88
49	US7438A	4		MON	2 0%	.80*	TTL	2	30	0.0	5.0	15n			85mt	1.0 Δ	0	70	4	G04387	M105b
50	US7438J	4		MON	2.0%	80*	TTL	2	30	0.0	5.0	15n			85mt	1.0 Δ	0	70	4	G04387	TO88
51	US7440A	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	10n	18n	8.0n			0	70	2	G04388a	M105b
52	US7440J	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	10n	18n	8.0n			0	70	2	G04388	TO88
53	D4203	4	10M	PCB	2.0%	95*	TTL	2	10	0	5	15n%	10nt	10nt	275m	1.0 Δ	0	75	16		CB☑
54	D4204	4	10M	PCB	2 0%	.95*	TTL	4	10	0	5	15n%	10nt	10nt	125m	1.0 Δ	0	75	8		CB☑
55	D4211	4	10M	PCB	2.0%	.95*	TTL	3	10	0	5	15n%	10nt	10nt	400m	1.0 Δ	0	75	12		CB☑
56	D4212	4	10M	PCB	2.0%	.95*	TTL	4	30	0	5	14n%	10nt	10nt	375m	1.0 Δ	0	75	8		CB☑
57	HEPC3020P-RT	4		MON	2.4%	.40*†	TTL	4	10	0 0	5.0	13n			20mt				2	G04387g	TO116
58	HEPC3030P-RT	4		MON	2.4%	40*†	TTL	8	10	0.0	5 0	13n			10mt				1	G04387h	TO116
59	MC2111F	4		MON	2.4%	40*†	TTL	9Δ	11	0.0	5.0	11n%	4.5n	3.0n	22mt		-55	125	1	G04358a	TO86
60	MC2111L	4		MON	2.4%	.40*†	TTL	9Δ	11	0.0	5.0	11n%	4.5n	3.0n	22mt		-55	125	1	G04358a	TO116
61	MC2161F	4		MON	2 4%	.40*†	TTL	9Δ	6	0.0	5 0	11n%	4.5n	3.0n	22mt		-55	125	1	G04358a	TO86
62	MC2161L	4		MON	2.4%	.40*†	TTL	9Δ	6	0.0	5.0	11n%	4.5n	3 0n	22mt		-55	125	1	G04358a	TO116
63	MC3000F	4		MON	2.4%	.40*†	TTL	2	10	0 0	5.0	6 0n			88mt		0	75	4	G04377	TO86
64	MC3000L,P%	4		MON	2 4%	.40*†	TTL	2	10	0.0	5 0	6.0n			88mt		0	75	4	G04377	TO116
65	MC3004F	4		MON	2.4%	.40*†	TTL	2	10	0.0	5.0	8 0n			88mt		0	75	4	G04386	TO86
66	MC3004L,P%	4		MON	2.4%	.40*†	TTL	2	10	0.0	5.0	8.0n			88mt		0	75	4	G04386	TO116
67	MC3100F	4		MON	2.4%	.40*†	TTL	2	10	0 0	5.0	6.0n			88mt		-55	125	4	G04377	TO86
68	MC3100L	4		MON	2.4%	.40*†	TTL	2	10	0.0	5.0	6 0n			88mt		-55	125	4	G04377	TO116
69	MC3104F	4		MON	2 4%	.40*†	TTL	2	10	0.0	5 0	8.0n			88mt		-55	125	4	G04386	TO86
70	MC3104L	4		MON	2.4%	.40*†	TTL	2	10	0.0	5.0	8 0n			88mt		-55	125	4	G04386	TO116
71	MC3105F	4		MON	2.4%	.40*†	TTL	3	10	0.0	5 0	6.0n			66mt		-55	125	3	G04377a	TO86
72	MC3105L	4		MON	2.4%	.40*†	TTL	3	10	0.0	5.0	6.0n			66mt		-55	125	3	G04377a	TO116
73	MC3110F	4		MON	2.4%	.40*†	TTL	4	10	0.0	5.0	6.0n			44mt		-55	125	2	G04377b	TO86
74	MC3110L	4		MON	2.4%	.40*†	TTL	4	10	0.0	5.0	6.0n			44mt		-55	125	2	G04377b	TO116
75	MC3115F	4		MON	2.4%	.40*†	TTL	8	10	0.0	5.0	8.0n			22mt		-55	125	1	G04377b	TO86
76	MC3115L	4		MON	2.4%	.40*†	TTL	8	10	0.0	5.0	8.0n			22mt		-55	125	1	G04377b	TO116
77	MC3116F	4		MON	2.4%	.40*†	TTL	8	10	0.0	5.0	8.0n			22mt		-55	125	1	G04377g	TO86
78	MC3116L	4		MON	2.4%	.40*†	TTL	8	10	0.0	5 0	8.0n			22mt		-55	125	1	G04377g	TO116
79	MC3124F	4		MON	2.4%	.40*†	TTL	4	30	0 0	5.0	6.0n			90mt		-55	125	2	G04377b	TO86
80	MC3124L	4		MON	2 4%	.40*†	TTL	4	30	0.0	5.0	6.0n			90mt		-55	125	2	G04377b	TO116
81	MC3125F	4		MON	2 4%	.40*†	TTL	4	20	0.0	5.0	6.0n			70mt		-55	125	2	G04377b	TO86
82	MC3125L	4		MON	2.4%	.40*†	TTL	4	20	0.0	5.0	6.0n			70mt		-55	125	2	G04377b	TO116
83	MC5437F	4		MON	2.4%	.40*†	TTL	2	30	0.0	5.0	22n%			50mt		-55	125	4	G04388b	TO86
84	MC5437L	4		MON	2.4%	.40*†	TTL	2	30	0.0	5.0	22n%			50mt		-55	125	4	G04388b	TO116
85	MC5438F	4		MON	2.4%	.40*†	TTL	2	30	0.0	5.0	22n%			50mt		-55	125	4	G04450	TO86
86	MC5438L	4		MON	2.4%	.40*†	TTL	2	30	0.0	5.0	22n%			50mt		-55	125	4	G04450	TO116
87	MC7437F	4		MON	2.4%	.40*†	TTL	2	30	0.0	5.0	22n%			50mt		0	70	4	G04388b	TO86
88	MC7437L,P%	4		MON	2 4%	.40*†	TTL	2	30	0.0	5.0	22n%			50mt		0	70	4	G04388b	TO116
89	MC7438F	4		MON	2.4%	.40*†	TTL	2	30	0.0	5.0	22n%			50mt		0	70	4	G04450	TO86
90	MC7438L,P%	4		MON	2.4%	.40*†	TTL	2	30	0.0	5.0	22n%			50m%		0	70	4	G04450	TO116
91	MCB5400F	4		MON	2.4%	.40*†	TTL	2	10	0.0	5.0	10n			40mt		-55	125	4	G04425b	TO86
92	MCB5401F	4		MON	2.4	40	TTL	2	10	0.0	5.0	45nΔ			40mt		-55	125	4	G04330c	FP77
93	MCB5410F	4		MON	2.4	.40	TTL	3	10	0.0	5.0	10n			30mt		-55	125	3	G04358g	FP77
94	MCB5420F	4		MON	2.4	40	TTL	4	10	0.0	5.0	10n			20mt		-55	125	2	G04358j	FP77
95	MCB5430F	4		MON	2.4	40	TTL	8	10	0.0	5.0	10n			10mt		-55	125	1	G04358m	FP77
96	MCB5440F	4		MON	2.4%	.40*†	TTL	4	30	0.0	5.0	13n			50mt		-55	125	2	G04426a	TO86
97	MCBC5400	4		MON	2 4%	.40*†	TTL	2	10	0 0	5.0	10n			40mt		-55	125	4	G04425b	FC1
98	MCBC5401	4		MON	2 4	.40	TTL	2	10	0.0	5.0	45nΔ			40mt		-55	125	4	G04330c	FC1
99	MCBC5410	4		MON	2.4	.40	TTL	3	10	0.0	5.0	10n			30mt		-55	125	3	G04358g	FC1
100	MCBC5420	4		MON	2.4	.40	TTL	4	10	0.0	5.0	10n			20mt		-55	125	2	G04358j	FC1
101	MCBC5430	4		MON	2.4	40	TTL	8	10	0 0	5.0	10n			10mt		-55	125	1	G04358m	FC1
102	MCBC5440	4		MON	2.4%	.40*†	TTL	4	30	0.0	5.0	13n			50mt		-55	125	2	G04426a	FC1
103	MCE54H01F	4		MON	2.4%	.40†*	TTL	2	10	0.0	5.0	8.0nt			80mt		-55	125	4	G04425a	TO86
104	MCE74H01F	4		MON	2.4%	.40†*	TTL	2	10	0.0	5.0	8.0nt			80mt		0	70	4	G04425a	TO86
105	M113	4	20M	PCB	2.4	.40	TTL	2	10	0	5	15n	5.0n	15n	150m	1.0	0	70	10		
106	M115	4	20M	PCB	2.4	.40	TTL	3	10	0	5	15n	15n	15n	140m	1.0	0	70	8		
107	M117	4	20M	PCB	2.4	.40	TTL	4	10	0	5	15n	15n	15n	90m	1.0	0	70	6		
108	M119	4	20M	PCB	2.4	.40	TTL	8	10	0	5	15n	15n	15n	45m	1.0	0	70	3		

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	M617	4	20M	PCB	2.4	.40	TTL	4	30	0	5	15n	15n	15n	260m	1.0	0	70	6		
2	MC5400F	4	30MΔ	MON	2 4%	40*†	TTL	2	10	0.0	5 0	10n			40m†		-55	125	4	G04358e	TO86
3	MC5400L	4	30MΔ	MON	2.4%	.40*†	TTL	2	10	0.0	5 0	10n			40m†		-55	125	4	G04358f	TO116
4	MC5401F	4	30MΔ	MON	2.4%	.40*†	TTL	2	10	0 0	5.0	35n%			40m†		-55	125	4	G04387	TO86
5	MC5401L	4	30MΔ	MON	2 4%	.40*†	TTL	2	10	0.0	5 0	35n%			40m†		-55	125	4	G04387	TO116
6	MC5403L	4	30MΔ	MON	2 4%	.40*†	TTL	2	10	0 0	5 0	35n%			40m†		-55	125	4	G04387c	TO116
7	MC5410F	4	30MΔ	MON	2.4%	.40*†	TTL	3	10	0.0	5.0	10n			30m†		-55	125	3	G04358g	TO86
8	MC5410L	4	30MΔ	MON	2 4%	.40*†	TTL	3	10	0.0	5.0	10n			30m†		-55	125	3	G04358h	TO116
9	MC5420F	4	30MΔ	MON	2.4%	.40*†	TTL	4	10	0.0	5.0	10n			20m†		-55	125	2	G04358j	TO86
10	MC5420L	4	30MΔ	MON	2 4%	40*†	TTL	4	10	0.0	5 0	10n			20m†		-55	125	2	G04358k	TO116
11	MC5430F	4	30MΔ	MON	2.4%	40*†	TTL	8	10	0.0	5.0	10n			10m†		-55	125	1	G04358m	TO86
12	MC5430L	4	30MΔ	MON	2 4%	40*†	TTL	8	10	0.0	5.0	10n			10m†		-55	125	1	G04358n	TO116
13	MC5440F	4	30MΔ	MON	2.4%	.40*†	TTL	4	10	0 0	5 0	13n			50m†		-55	125	2	G04388	TO86
14	MC5440L	4	30MΔ	MON	2 4%	40*†	TTL	4	10	0.0	5 0	13n			50m†		-55	125	2	G04388a	TO116
15	MC7400F	4	30MΔ	MON	2.4%	40*†	TTL	2	10	0 0	5 0	10n			40m†		0	70	4	G04358e	TO86
16	MC7400L,P%	4	30MΔ	MON	2.4%	.40*†	TTL	2	10	0.0	5 0	10n			40m†		0	70	4	G04358f	TO116
17	MC7401F	4	30MΔ	MON	2.4%	.40*†	TTL	2	10	0.0	5 0	35n%			40m†		0	70	4	G04387	TO86
18	MC7401L,P%	4	30MΔ	MON	2.4%	.40*†	TTL	2	10	0.0	5.0	35n%			40m†		0	70	4	G04387a	TO116
19	MC7403L,P%	4	30MΔ	MON	2 4%	40*†	TTL	2	10	0 0	5 0	35n%			40m†		0	70	4	G04387c	TO116
20	MC7410F	4	30MΔ	MON	2 4%	.40*†	TTL	3	10	0 0	5 0	10n			30m†		0	70	3	G04358g	TO86
21	MC7410L,P%	4	30MΔ	MON	2.4%	.40*†	TTL	3	10	0.0	5.0	10n			30m†		0	70	3	G04358h	TO116
22	MC7420F	4	30MΔ	MON	2.4%	.40*†	TTL	4	10	0 0	5 0	10n			20m†		0	70	2	G04358j	TO86
23	MC7420L,P%	4	30MΔ	MON	2.4%	.40*†	TTL	4	10	0 0	5 0	10n			20m†		0	70	2	G04358k	TO116
24	MC7430F	4	30MΔ	MON	2.4%	.40*†	TTL	8	10	0.0	5.0	10n			10m†		0	70	1	G04358m	TO86
25	MC7430L,P%	4	30MΔ	MON	2.4%	.40*†	TTL	8	10	0 0	5 0	10n			10m†		0	70	1	G04358n	TO116
26	MC7440F	4	30MΔ	MON	2.4%	.40*†	TTL	4	10	0 0	5 0	13n			50m†		0	70	2	G04388	TO86
27	MC7440L,P%	4	30MΔ	MON	2.4%	.40*†	TTL	4	10	0.0	5 0	13n			50m†		0	70	2	G04388a	TO116
28	M627	4	50M	PCB	2 4	40	TTL	4	40	0	5	6.0n	8 0n	8.0n	600m	1.0	0	70	6		
29	MC2011F	4		MON	2.4%	.45*†	TTL	9Δ	9	0 0	5 0	11n%	4 5n	3.0n	22m†		0	75	1	G04358a	TO86
30	MC2011L,P%	4		MON	2.4%	45*†	TTL	9Δ	9	0.0	5 0	11n%	4.5n	3.0n	22m†		0	75	1	G04358a	TO116
31	MC2061F	4		MON	2.4%	.45*†	TTL	9Δ	9	0.0	5.0	11n%	4.5n	3.0n	22m†		0	75	1	G04358a	TO86
32	MC2061L,P%	4		MON	2.4%	45*†	TTL	9Δ	9	0 0	5.0	11n%	4 5n	3 0n	22m†		0	75	1	G04358a	TO116
33	MC3005F	4		MON	2.5%	40*†	TTL	3	10	0 0	5 0	6.0n			66m†		0	75	3	G04377a	TO86
34	MC3005L,P%	4		MON	2 5%	40*†	TTL	3	10	0 0	5 0	6 0n			66m†		0	75	3	G04377a	TO116
35	MC3010F	4		MON	2.5%	40*†	TTL	4	10	0.0	5.0	6 0n			44m†		0	75	2	G04377b	TO86
36	MC3010L,P%	4		MON	2.5%	.40*†	TTL	3	10	0.0	5.0	6.0n			44m†		0	75	2	G04377b	TO116
37	MC3015F	4		MON	2 5%	40*†	TTL	8	10	0.0	5.0	8.0n			22m†		0	75	1	G04377b	TO86
38	MC3015L,P%	4		MON	2.5%	40*†	TTL	4	10	0 0	5.0	8.0n			22m†		0	75	1	G04377b	TO116
39	MC3016F	4		MON	2.5%	.40*†	TTL	8	10	0.0	5.0	8 0n			22m†		0	75	1	G04377g	TO86
40	MC3016L,P%	4		MON	2.5%	.40*†	TTL	4	10	0 0	5.0	8.0n			22m†		0	75	1	G04377g	TO116
41	MC3024F	4		MON	2.5%	40*†	TTL	4	30	0 0	5 0	6 0n			90m†		0	75	2	G04377b	TO86
42	MC3024L,P%	4		MON	2.5%	.40*†	TTL	8	10	0 0	5.0	6.0n			90m†		0	75	2	G04377b	TO116
43	MC3025F	4		MON	2 5%	40*†	TTL	4	20	0.0	5.0	6.0n			70m†		0	75	2	G04377b	TO86
44	MC3025L,P%	4		MON	2.5%	40*†	TTL	8	10	0 0	5.0	6.0n			70m†		0	75	2	G04377b	TO116
45	N8808A	4		MON	2.6%	.40*†	TTL	8	20	0	5	13n%Δ		50n	31mΔ	600m	0	75	1	G04273	TO116
46	N8808J	4		MON	2.6%	40*†	TTL	8	20	0	5	13n%Δ		50n	31mΔ	600m	0	75	1	G04273	TO88
47	N8816A	4		MON	2.6%	.40*†	TTL	4	20	0	5	13n%Δ		50n	31mΔ	600m	0	75	2	G04273a	TO116
48	N8816F	4		MON	2.6%	.40†*	TTL	4	20	0.0	5.0	13n%		50n	31mΔ	600m	0	75	2	G04273a	M157
49	N8816J	4		MON	2 6%	40*†	TTL	4	20	0	5	13n%Δ		50n	31mΔ	600m	0	75	2	G04273a	TO88
50	N8870A	4		MON	2 6%	.40*†	TTL	3	20	0	5	13n%Δ		50n	31mΔ	600m	0	75	3	G04273b	TO116
51	N8870F	4		MON	2.6%	.40†*	TTL	3	20	0.0	5.0	13n%Δ		50n	31mΔ	600m	0	75	3	G04273b	M157
52	N8870J	4		MON	2.6%	40*†	TTL	3	20	0	5	13n%Δ		50n	31mΔ	600m	0	75	3	G04273b	TO88
53	N8880A	4		MON	2.6%	.40*†	TTL	2	20	0	5	13n%Δ		50n	31mΔ	600m	0	75	4	G04273c	TO116
54	N8880F	4		MON	2.6%	.40†*	TTL	2	20	0.0	5 0	13n%Δ		50n	31mΔ	600m	0	75	4	G04273c	M157
55	N8880J	4		MON	2 6%	.40*†	TTL	2	20	0	5	13n%Δ		50n	31mΔ	600m	0	75	4	G04273c	TO88
56	N8881F	4		MON	2 6%	.40†*	TTL	2	20	0.0	5 0	25n%Δ		50n	31mΔ	600m	0	75	4	G04233a	M157
57	S8808A	4		MON	2 6%	40*†	TTL	8	20	0	5	13n%Δ		50n	31mΔ	600m	-55	125	1	G04273	TO116
58	S8808J	4		MON	2 6%	40*†	TTL	8	20	0	5	13n%Δ		50n	31mΔ	600m	-55	125	1	G04273	TO88
59	S8816A	4		MON	2.6%	40*†	TTL	4	20	0	5	13n%Δ		50n	31mΔ	600m	-55	125	2	G04273a	TO116
60	S8816F	4		MON	2 6%	.40†*	TTL	4	20	0.0	5.0	13n%Δ		50n	31mΔ	600m	-55	125	2	G04273a	M157
61	S8816J	4		MON	2 6%	.40*†	TTL	4	20	0	5	13n%Δ		50n	31mΔ	600m	-55	125	2	G04273a	TO88
62	S8870A	4		MON	2.6%	.40*†	TTL	3	20	0	5	13n%Δ		50n	31mΔ	600m	-55	125	3	G04273b	TO116
63	S8870F	4		MON	2.6%	.40†*	TTL	3	20	0.0	5 0	13n%Δ		50n	31mΔ	600m	-55	125	3	G04273b	M157
64	S8870J	4		MON	2.6%	40*†	TTL	3	20	0	5	13n%Δ		50n	31mΔ	600m	-55	125	3	G04273b	TO88
65	S8880A	4		MON	2 6%	.40*†	TTL	2	20	0	5	13n%Δ		50n	31mΔ	600m	-55	125	4	G04273c	TO116
66	S8880F	4		MON	2.6%	.40†*	TTL	2	20	0.0	5 0	13n%Δ		50n	31mΔ	600m	-55	125	4	G04273c	M157
67	S8880J	4		MON	2.6%	.40*†	TTL	2	20	0	5	13n%Δ		50n	31mΔ	600m	-55	125	4	G04273c	TO88
68	S8881F	4		MON	2 6%	.40†*	TTL	2	20	0.0	5.0	25n%Δ		50n	31mΔ	600m	-55	125	4	G04233a	M157
69	527BL	4		MON	2 7%	20†*	TTL	5Δ	10†	0 0	5 0	1.0uΔ			560ut		-55	125	2	G04415	M105aa
70	54R00	4			2 7	.40	TTL	2	10	0.0	5.0	6.0n			128m		-55	125			
71	54R40	4			2.7	40	TTL	4	30	0 0	5 0	8.0n			155m		-55	125			
72	74R00	4			2.8	.40	TTL	2	10	0.0	5 0	6.0n			128m		0	75			
73	74R40	4			2 8	.40	TTL	4	30	0.0	5.0	8.0n			155m		0	75			
74	RG202D	4		MON	3.0%	.40*	TTL	10Δ	9†	0.0	5 0	15nΔ	4.5n	3.0n	22m†	1 0	0	75	1	G04240c	M105ar
75	RG202K	4		MON	3 0%	.40*	TTL	10Δ	9†	0.0	5.0	15nΔ	4.5n	3.0n	22m†	1.0	0	75	1	G04240c	FP21b
76	RG203D	4		MON	3 0%	.40*	TTL	10Δ	5†	0 0	5 0	15nΔ	4 5n	3.0n	22m†	1.0	0	75	1	G04240c	M105ar
77	RG203K	4		MON	3 0%	.40*	TTL	10Δ	5†	0.0	5.0	15nΔ	4.5n	3.0n	22m†	1.0	0	75	1	G04240c	FP21b
78	RG3222D	4		MON	3 0%	45*†	TTL	4	9	0 0	5.0	9.5nΔ	3.0n	2.5n	88m†	1.1	0	75	4	G04377h	M105m
79	RG3222K	4		MON	3 0%	.45*†	TTL	4	9	0 0	5 0	9.5nΔ	3 0n	2.5n	88m†	1.1	0	75	4	G04377h	FP21b
80	RG3242D	4		MON	3.0%	.45*†	TTL	4	9	0.0	5.0	9.5nΔ	3 0n	2 5n	44m†	1.1	0	75	2	G04377j	M105m
81	RG3242K	4		MON	3.0%	.45*†	TTL	4	9	0.0	5.0	9.5nΔ	3 0n	2 5n	44m†	1.1	0	75	2	G04377j	FP21b
82	RG3262D	4		MON	3.0%	45*†	TTL	8	9	0.0	5.0	11nΔ	3.0n	2 5n	22m†	1.1	0	75	1	G04377k	M105m
83	RG3262K	4		MON	3.0%	45*†	TTL	8	9	0 0	5 0	11nΔ	3.0n	2.5n	22m†	1.1	0	75	1	G04377k	FP21b
84	RG3322D	4		MON	3.0%	45*†	TTL	3	9†	0 0	5 0	9 5nΔ	3.0n	2.5n	66m†	1.1	0	75	3	G04377m	M105m
85	RG3322K	4		MON	3.0%	.45*†	TTL	3	9†	0 0	5 0	9.5nΔ	3.0n	2.5n	66m†	1.1	0	75	3	G04377m	FP21b
86	RG3422D	4		MON	3.0%	.50*†	TTL	5Δ	12	0 0	5.0	9.5nΔ	3 0n	2.5n	44m†	1.1	-55	125	2	G04427	M105m
87	RG3422K	4		MON	3.0%	.50*†	TTL	5Δ	12	0.0	5 0	9.5nΔ	3.0n	2.5n	44m†	1.1	-55	125	2	G04427	FP21b
88	RG3432D	4		MON	3.0%	50*†	TTL	9Δ	12	0 0	5 0	11nΔ	3 0n	2.5n	22m†	1.1	0	75	1	G04427a	M105m
89	RG3432K	4		MON	3 0%	.50*†	TTL	9Δ	12	0 0	5 0	11nΔ	3.0n	2.5n	22m†	1 1	0	75	1	G04427a	FP21b
90	RG200D	4		MON	3 1%	40*	TTL	10Δ	11†	0 0	5 0	15nΔ	4.5n	3.0n	22m†	1 0	-55	125	1	G04240c	M105ar
91	RG200K	4		MON	3.1%	40*	TTL	10Δ	11†	0 0	5 0	15nΔ	4.5n	3.0n	22m†	1 0	-55	125	1	G04240c	FP21b
92	RG201D	4		MON	3.1%	40*	TTL	10Δ	6†	0 0	5.0	15nΔ	4.5n	3.0n	22m†	1.0	-55	125	1	G04240c	M105ar
93	RG201K	4		MON	3.1%	.40*	TTL	10Δ	6†	0 0	5 0	15nΔ	4.5n	3.0n	22m†	1.0	-55	125	1	G04240c	FP21b
94	RG322D	4		MON	3 1%	.40*†	TTL	3	9†	0 0	5 0	10nΔ	4.0n	2 5n	66m†	1.0	0	75	3	G04191a	M105m
95	RG322K	4		MON	3 1%	.40*†	TTL	3	9†	0 0	5 0	10nΔ	4.0n	2 5n	66m†	1.0	0	75	3	G04191a	FP21b
96	RG323D	4		MON	3 1%	.40*†	TTL	3	5†	0.0	5.0	10nΔ	4.0n	2.5n	66m†	1.0	0	75	3	G04191a	M105m
97	RG323K	4		MON	3.1%	.40*†	TTL	3	5†	0.0	5.0	10nΔ	4 0n	2.5n	66m†	1 0	0	75	3	G04191a	FP21b
98	RG3220D	4		MON	3.1%	40*†	TTL	2	11	0.0	5.0	9 5nΔ	3.0n	2 5n	88m†	1 1	-55	125	4	G04377h	M105m
99	RG3220K	4		MON	3.1%	.40*†	TTL	2	11	0.0	5.0	9.5nΔ	3.0n	2.5n	88m†	1.1	-55	125	4	G04377h	FP21b
100	RG3240D	4		MON	3 1%	.40*†	TTL	8	11	0.0	5 0	9 5nΔ	3.0n	2.5n	44m†	1.1	-55	125	2	G04377j	M105m
101	RG3240K	4		MON	3.1%	.40*†	TTL	8	11	0.0	5.0	9.5nΔ	3.0n	2.5n	44m†	1.1	-55	125	2	G04377j	FP21b
102	RG3260D	4		MON	3 1%	.40*†	TTL	8	11	0 0	5.0	11nΔ	3.0n	2.5n	22m†	1.1	-55	125	1	G04377k	M105m
103	RG3260K	4		MON	3 1%	40*†	TTL	8	11	0.0	5.0	11nΔ	3 0n	2.5n	22m†	1.1	-55	125	1	G04377k	FP21b
104	RG3320D	4		MON	3.1%	.40*†	TTL	3	11†	0.0	5 0	9 5nΔ	3.0n	2 5n	66m†	1 1	-55	125	3	G04377m	M105m
105	RG3320K	4		MON	3 1%	.40*†	TTL	3	11†	0.0	5.0	9.5nΔ	3 0n	2.5n	66m†	1.1	-55	125	3	G04377m	FP21b
106	RG3420D	4		MON	3.1%	40*†	TTL	5Δ	12	0.0	5 0	9 5nΔ	3 0n	2.5n	44m†	1 1	-55	125	2	G04427	M105m
107	RG3420K	4		MON	3 1%	.40*†	TTL	5Δ	12	0.0	5.0	9.5nΔ	3.0n	2.5n	44m†	1.1	-55	125	2	G04427	FP21b
108	RG3430D	4		MON	3 1%	.40*†	TTL	9Δ	12	0.0	5 0	11nΔ	3.0n	2.5n	22m†	1.1	0	75	1	G04427a	M105m
109	RG3430K	4		MON	3 1%	.40*†	TTL	9Δ	12	0.0	5 0	11nΔ	3 0n	2.5n	22m†	1.1	0	75	1	G04427a	FP21b
110	RG122D	4	20M	MON	3 1%	40*	TTL	10Δ	12†	0.0	5 0	28nΔ	8.0n	5 0n	15m†	900m	0	75	1	G04212h	M105ar

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	[6] TYPE No.	[1] TYPE OF GATE	[5] MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL [3] '1' (V)	LOGIC LEVEL [4] '0' (V)	LOGIC TYPE [2]	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	RG122K	4	20M	MON	3 1%	40*	TTL	10Δ	12†	0 0	5.0	28nΔ	8.0n	5.0n	15m†	900m	0	75	1	G04212h	FP21b
2	RG123D	4	20M	MON	3 1%	40*	TTL	10Δ	6†	0.0	5.0	28nΔ	8.0n	5.0n	15m†	900m	0	75	1	G04212h	M105ar
3	RG123K	4	20M	MON	3.1%	.40*	TTL	10Δ	6†	0 0	5 0	28nΔ	8.0n	5.0n	15m†	900m	0	75	1	G04212h	FP21b
4	RG320D	4		MON	3.2%	.40*†	TTL	3	11†	0.0	5.0	10nΔ	4.0n	2.5n	66m†	1.0	-55	125	3	G04191a	M105m
5	RG320K	4		MON	3 2%	40*†	TTL	3	11†	0 0	5 0	10nΔ	4.0n	2.5n	66m†	1.0	-55	125	3	G04191a	FP21b
6	RG321D	4		MON	3.2%	.40*†	TTL	3	6†	0 0	5 0	10nΔ	4.0n	2.5n	66m†	1.0	-55	125	3	G04191a	M105m
7	RG321K	4		MON	3 2%	40*†	TTL	3	6†	0.0	5 0	10nΔ	4 0n	2.5n	66m†	1.0	-55	125	3	G04191a	FP21b
8	RG120D	4	20M	MON	3.2%	40*	TTL	10Δ	15†	0 0	5.0	28nΔ	8.0n	5.0n	15m†	900m	-55	125	1	G04212h	M105ar
9	RG120K	4	20M	MON	3.2%	.40*	TTL	10Δ	15†	0.0	5 0	28nΔ	8.0n	5.0n	15m†	900m	-55	125	1	G04212h	FP21b
10	RG121D	4	20M	MON	3.2%	40*	TTL	10Δ	7†	0 0	5 0	28nΔ	8.0n	5 0n	15m†	900m	-55	125	1	G04212h	M105ar
11	RG121K	4	20M	MON	3 2%	40*	TTL	10Δ	7†	0.0	5.0	28nΔ	8.0n	5.0n	15m†	900m	-55	125	1	G04212h	FP21b
12	TG130F	4		MON	3.2%	.45*†	TTL	4	36	0.0	8.0	16nΔ			60m†	450mΔ	-55	125	2	G0478b	FP21c
13	TG130J	4		MON	3.2%	45*†	TTL	4	36	0.0	8 0	16nΔ			60m†	450mΔ	-55	125	2	G0478b	TO116
14	TG131F	4		MON	3.2%	45*†	TTL	4	24	0 0	8 0	16nΔ			60m†	450mΔ	-55	125	2	G0478b	FP21c
15	TG131J	4		MON	3.2%	.45*†	TTL	4	24	0.0	8 0	16nΔ			60m†	450mΔ	-55	125	2	G0478b	TO116
16	TG132F	4		MON	3.2%	.45*†	TTL	4	36	0 0	7 0	16nΔ			60m†	450mΔ	0	75	2	G0478b	FP21c
17	TG132J	4		MON	3.2%	45*†	TTL	4	36	0.0	7.0	16nΔ			60m†	450mΔ	0	75	2	G0478b	TO116
18	TG133F	4		MON	3 2%	45*†	TTL	4	24	0 0	7.0	16nΔ			60m†	450mΔ	0	75	2	G0478b	FP21c
19	TG133J	4		MON	3.2%	45*†	TTL	4	24	0 0	7 0	16nΔ			60m†	450mΔ	0	75	2	G0478b	TO116
20	TNG5511F	4		MON	3.2%	45*†	TTL	2	36	0	8	16nΔ			120m†	450mΔ	-55	125	4	G0478d	FP21c
21	TNG5512F	4		MON	3.2%	.45*†	TTL	2	36	0	7	16nΔ			120m†	450mΔ	0	75	4	G0478d	FP21c
22	TNG5513F	4		MON	3.2%	.45*†	TTL	2	24	0	8	16nΔ			120m†	450mΔ	-55	125	4	G0478d	FP21c
23	TNG5514F	4		MON	3.2%	45*†	TTL	2	24	0	7	16nΔ			120m†	450mΔ	0	75	4	G0478d	FP21c
24	MC400F	4		MON	3.3	.26	TTL	4	12	0.0	5.0	10n	8.0n	5.0n	30m†	900m	0	75	2	G04358d	TO116
25	MC400L,P%	4		MON	3.3	.26	TTL	4	12	0.0	5 0	10n	8.0n	5.0n	30m†	900m	0	75	2	G04358d	TO116
26	MC402F	4		MON	3 3	26	TTL	8	12	0 0	5.0	12n	8.0n	5.0n	15m†	900m	0	75	1	G04358	TO86
27	MC402L,P%	4		MON	3.3	.26	TTL	8	12	0.0	5 0	12n	8 0n	5.0n	15m†	900m	0	75	1	G04358	TO116
28	MC406F	4		MON	3.3	.26	TTL	9Δ	12	0.0	5 0	18n	8 0n	5 0n	15m†	900m	0	75	1	G04358a	TO86
29	MC406L,P%	4		MON	3.3	.26	TTL	9Δ	12	0 0	5 0	18n	8.0n	5 0n	15m†	900m	0	75	1	G04358a	TO116
30	MC407F	4		MON	3.3	26	TTL	4	12	0 0	5.0	25n	30n	30n	60m†	900m	0	75	2	G04360	TO86
31	MC407L,P%	4		MON	3 3	26	TTL	4	12	0 0	5.0	25n	30n	30n	60m†	900m	0	75	2	G04360	TO116
32	MC408F	4		MON	3 3	26	TTL	2	12	0.0	5 0	10n			60m†	900m	0	75	4	G04358c	TO86
33	MC408L,P%	4		MON	3.3	.26	TTL	2	12	0.0	5 0	10n			60m†	900m	0	75	4	G04358c	TO116
34	MC412F	4		MON	3 3	26	TTL	3	12	0 0	5.0	10n	8.0n	5.0n	45m†	900m	0	75	3	G04358d	TO86
35	MC412L,P%	4		MON	3 3	.26	TTL	3	12	0 0	5 0	10n	8 0n	5.0n	45m†	900m	0	75	3	G04358d	TO116
36	MC450F	4		MON	3.3	.26	TTL	4	6	0 0	5 0	10n	8.0n	5.0n	30m†	900m	0	75	2	G04358d	TO86
37	MC450L,P%	4		MON	3 3	26	TTL	4	6	0 0	5 0	10n	8.0n	5 0n	30m†	900m	0	75	2	G04358d	TO116
38	MC452F	4		MON	3.3	.26	TTL	8	6	0 0	5 0	12n	8 0n	5 0n	15m†	900m	0	75	1	G04358	TO86
39	MC452L,P%	4		MON	3 3	26	TTL	8	6	0 0	5 0	12n	8.0n	5.0n	15m†	900m	0	75	1	G04358	TO116
40	MC456F	4		MON	3.3	26	TTL	9Δ	6	0.0	5.0	18n	8.0n	5.0n	15m†	900m	0	75	1	G04358a	TO86
41	MC456L,P%	4		MON	3 3	26	TTL	9Δ	6	0 0	5 0	18n	8.0n	5.0n	15m†	900m	0	75	1	G04358a	TO116
42	MC457F	4		MON	3.3	26	TTL	4	6	0 0	5 0	25n	30n	30n	60m†	900m	0	75	2	G04360	TO86
43	MC457L,P%	4		MON	3.3	26	TTL	4	6	0 0	5 0	25n	30n	30n	60m†	900m	0	75	2	G04360	TO116
44	MC458F	4		MON	3 3	.26	TTL	2	6	0.0	5 0	10n			60m†	900m	0	75	4	G04358c	TO86
45	MC458L,P%	4		MON	3.3	.26	TTL	2	6	0.0	5.0	10n			60m†	900m	0	75	4	G04358c	TO116
46	MC462F	4		MON	3.3	.26	TTL	3	6	0.0	5.0	10n	8.0n	5.0n	45m†	900m	0	75	3	G04358d	TO86
47	MC462L,P%	4		MON	3 3	26	TTL	3	6	0 0	5 0	10n	8.0n	5.0n	45m†	900m	0	75	3	G04358d	TO116
48	MC500F	4		MON	3.3	26	TTL	4	15	0.0	5 0	10n	8.0n	5.0n	30m†	900m	-55	125	2	G04358d	TO86
49	MC500L	4		MON	3.3	.26	TTL	4	15	0	8	10n	8 0n	5 0n	30m†	900m	-55	125	2	G04358d	TO116
50	MC502F	4		MON	3.3	.26	TTL	8	15	0.0	5 0	12n	8.0n	5 0n	15m†	900m	-55	125	1	G04358	TO86
51	MC502L	4		MON	3 3	26	TTL	8	15	0	8	12n	8.0n	5.0n	15m†	900m	-55	125	1	G04358	TO116
52	MC506F	4		MON	3 3	.26	TTL	9Δ	15	0.0	5 0	18n	8.0n	5 0n	15m†	900m	-55	125	1	G04358a	TO86
53	MC506L	4		MON	3.3	26	TTL	9Δ	15	0	8	18n	8.0n	5.0n	15m†	900m	-55	125	1	G04358a	TO116
54	MC507F	4		MON	3 3	.26	TTL	4	15	0.0	5.0	25n	30n	30n	60m†	900m	-55	125	2	G04360	TO86
55	MC507L	4		MON	3 3	26	TTL	4	15	0	8	25n	30n	30n	60m†	900m	-55	125	2	G04360	TO116
56	MC508F	4		MON	3.3	26	TTL	2	15	0 0	5.0	10n			60m†	900m	-55	125	4	G04358c	TO86
57	MC508L	4		MON	3.3	26	TTL	2	15	0	8	10n			60m†	900m	-55	125	4	G04358c	TO116
58	MC512F	4		MON	3 3	26	TTL	3	15	0.0	5 0	10n	8.0n	5 0n	45m†	900m	-55	125	3	G04358c	TO86
59	MC512L	4		MON	3.3	.26	TTL	3	15	0	8	10n	8.0n	5 0n	45m†	900m	-55	125	3	G04358c	TO116
60	MC550F	4		MON	3 3	26	TTL	4	15	0 0	5 0	10n	8 0n	5 0n	30m†	900m	-55	125	2	G04358d	TO86
61	MC550L	4		MON	3 3	26	TTL	4	7	0	8	10n	8.0n	5.0n	30m†	900m	-55	125	2	G04358d	TO116
62	MC552F	4		MON	3.3	26	TTL	8	7	0 0	5 0	12n	8.0n	5 0n	15m†	900m	-55	125	1	G04358	TO86
63	MC552L	4		MON	3.3	26	TTL	8	7	0	8	12n	8.0n	5.0n	15m†	900m	-55	125	1	G04358	TO116
64	MC556F	4		MON	3 3	.26	TTL	9Δ	7	0 0	5 0	18n	8.0n	5 0n	15m†	900m	-55	125	1	G04358a	TO86
65	MC556L	4		MON	3 3	26	TTL	9Δ	7	0	8	18n	8.0n	5.0n	15m†	900m	-55	125	1	G04358a	TO116
66	MC557F	4		MON	3.3	26	TTL	4	7	0 0	5.0	25n	30n	30n	60m†	900m	-55	125	2	G04360	TO86
67	MC557L	4		MON	3 3	26	TTL	4	7	0	8	25n	30n	30n	60m†	900m	-55	125	2	G04360	TO116
68	MC558F	4		MON	3 3	26	TTL	2	7	0 0	5.0	10n			60m†	900m	-55	125	4	G04358c	TO86
69	MC558L	4		MON	3.3	.26	TTL	2	7	0	8	10n			60m†	900m	-55	125	4	G04358c	TO116
70	MC562F	4		MON	3 3	.26	TTL	3	7	0 0	5 0	10n	8.0n	5 0n	45m†	900m	-55	125	3	G04358c	TO86
71	MC562L	4		MON	3.3	26	TTL	3	7	0	8	10n	8.0n	5.0n	45m†	900m	-55	125	3	G04358c	TO116
72	RG40D	4	20M	MON	3.4	20	TTL	4	15	0	5.0	10n			30m†	1.1	-55	125	2	G0471	M105m
73	RG40K	4	20M	MON	3 4	20	TTL	4	15	0	5 0	10n			30m†	1.1	-55	125	2	G0471	FP21b
74	RG41D	4	20M	MON	3 4	20	TTL	4	7	0	5.0	10n			30m†	1 1	-55	125	2	G0471	M105m
75	RG41K	4	20M	MON	3 4	20	TTL	4	7	0	5 0	10n			30m†	1.1	-55	125	2	G0471	FP21b
76	RG42D	4	20M	MON	3.4	20	TTL	4	12	0	5 0	10n			30m†	1.1	0	75	2	G0471	M105m
77	RG42K	4	20M	MON	3.4	20	TTL	4	12	0	5.0	10n			30m†	1.1	0	75	2	G0471	FP21b
78	RG43D	4	20M	MON	3 4	20	TTL	4	6	0	5.0	10n			30m†	1.1	0	75	2	G0471	M105m
79	RG43K	4	20M	MON	3 4	.20	TTL	4	6	0	5 0	10n			30m†	1.1	0	75	2	G0471	FP21b
80	RG60D	4	20M	MON	3 4	20	TTL	8	15	0	5 0	12n			15m†	1 1	-55	125	1	G04211	M105m
81	RG60K	4	20M	MON	3.4	.20	TTL	8	15	0	5 0	12n			15m†	1.1	-55	125	1	G04211	FP21b
82	RG61D	4	20M	MON	3.4	20	TTL	8	7	0	5 0	12n			15m†	1 1	-55	125	1	G04211	M105m
83	RG61K	4	20M	MON	3 4	.20	TTL	8	7	0	5 0	12n			15m†	1.1	-55	125	1	G04211	FP21b
84	RG62D	4	20M	MON	3.4	.20	TTL	8	15	0 0	5.0	12n			15m†	1.1	0	75	1	G04211	M105m
85	RG62K	4	20M	MON	3 4	.20	TTL	8	15	0	5.0	12n			15m†	1 1	0	75	1	G04211	FP21b
86	RG63D	4	20M	MON	3 4	20	TTL	8	6	0 0	5 0	12n			15m†	1 1	0	75	1	G04211	M105m
87	RG63K	4	20M	MON	3 4	20	TTL	8	6	0.0	5 0	12n			15m†	1.1	0	75	1	G04211	FP21b
88	RG130D	4	20M	MON	3.4	.20	TTL	4	30	0.0	5.0	15n			60m†	1.1	-55	125	2	G04191	M105m
89	RG130K	4	20M	MON	3.4	20	TTL	4	30	0 0	5 0	15n			60m†	1.1	-55	125	2	G04191	FP28
90	RG131D	4	20M	MON	3 4	.20	TTL	4	15	0.0	5 0	15n			60m†	1 1	-55	125	2	G04191	M105m
91	RG131K	4	20M	MON	3.4	.20	TTL	4	15	0.0	5 0	15n			60m†	1.1	-55	125	2	G04191	FP28
92	RG140D	4	20M	MON	3 4	.20	TTL	2	15	0.0	5 0	10n			60m†	1 1	-55	125	4	G04212f	M105m
93	RG140K	4	20M	MON	3.4	.20	TTL	2	15	0 0	5 0	10n			60m†	1 1	-55	125	4	G04212f	FP21b
94	RG141D	4	20M	MON	3 4	20	TTL	2	7	0.0	5.0	10n			60m†	1 1	-55	125	4	G04212f	M105m
95	RG141K	4	20M	MON	3 4	20	TTL	2	7	0 0	5 0	10n			60m†	1.1	-55	125	4	G04212f	FP21b
96	RG142D	4	20M	MON	3 4	20	TTL	2	12	0 0	5.0	10n			60m†	1.1	0	75	4	G04212f	M105m
97	RG142K	4	20M	MON	3 4	20	TTL	2	12	0 0	5 0	10n			60m†	1.1	0	75	4	G04212f	FP21b
98	RG143D	4	20M	MON	3 4	20	TTL	2	6	0 0	5.0	10n			60m†	1.1	0	75	4	G04212f	M105m
99	RG143K	4	20M	MON	3.4	20	TTL	8	6	0 0	5 0	10n			60m†	1.1	0	75	4	G04212f	FP21b
100	RG190D	4	20M	MON	3 4	20	TTL	3	15	0 0	5 0	10n			45m†	1.1	-55	125	3	G04212e	M105m
101	RG190K	4	20M	MON	3 4	20	TTL	3	15	0 0	5 0	10n			45m†	1 1	-55	125	3	G04212e	FP21b
102	RG191D	4	20M	MON	3 4	.20	TTL	3	7	0 0	5 0	10n			45m†	1.1	-55	125	3	G04212e	M105m
103	RG191K	4	20M	MON	3 4	20	TTL	3	7	0.0	5 0	10n			45m†	1.1	-55	125	3	G04212e	FP21b
104	RG192D	4	20M	MON	3 4	20	TTL	3	12	0.0	5 0	10n			45m†	1.1	0	75	3	G04212e	M105m
105	RG192K	4	20M	MON	3 4	20	TTL	3	12	0.0	5 0	10n			45m†	1.1	0	75	3	G04212e	FP21b
106	RG193D	4	20M	MON	3 4	20	TTL	3	6	0 0	5.0	10n			45m†	1.1	0	75	3	G04212e	M105m
107	RG193K	4	20M	MON	3 4	20	TTL	3	6	0 0	5 0	10n			45m†	1.1	0	75	3	G04212e	FP21b
108	N8470A	4		MON	3.4%	.35*†	TTL	3	9	0	5	95n		75n	17mΔ	1.4	0	75	3	G04260a	TO116
109	N8470F	4		MON	3 4%	35†*	TTL	3	9	0.0	5.0	95n		75n	17mΔ	1.4	0	75	3	G04260a	M157
110	N8470J	4		MON	3.4%	.35*†	TTL	3	9	0	5	95n		75n	17mΔ	1.4	0	75	3	G04260a	TO88

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	N8480A	4		MON	3.4%	35*†	TTL	2	9	0	5	95n		75n	17mΔ	1.4	0	75	4	G04260	TO116
2	N8480F	4		MON	3.4%	35†*	TTL	2	9	0.0	5 0	95n		75n	17mΔ	1.4	0	75	4	G04260	M157
3	N8480J	4		MON	3.4%	.35*†	TTL	2	9	0	5	95n		75n	17mΔ	1.4	0	75	4	G04260	TO88
4	S8470A	4		MON	3.4%	.35*†	TTL	3	9	0	5	95n		75n	17mΔ	1 4	-55	125	3	G04260a	TO116
5	S8470F	4		MON	3.4%	.35†*	TTL	3	9	0.0	5 0	95n		75n	17mΔ	1.4	-55	125	3	G04260a	M157
6	S8470J	4		MON	3 4%	.35*†	TTL	3	9	0	5	95n		75n	17mΔ	1.4	-55	125	3	G04260a	TO88
7	S8480A	4		MON	3 4%	35*†	TTL	2	9	0	5	95n		75n	17mΔ	1.4	-55	125	4	G04260	TO116
8	S8480F	4		MON	3.4%	.35†*	TTL	2	9	0.0	5.0	95n		75n	17mΔ	1.4	-55	125	4	G04260	M157
9	S8480J	4		MON	3.4%	.35*†	TTL	2	9	0	5	95n		75n	17mΔ	1.4	-55	125	4	G04260	TO88
10	RG200P	4		MON	3.5	.20	TTL	8	11	0.0	5	8.0n			22m†	1.0	-55	125	1		M105k
11	RG220D	4		MON	3 5	.20	TTL	2	11	0.0	5.0	6.0n			88m†	1.0	-55	125	4	G04240b	M105m
12	RG220K	4		MON	3.5	.20	TTL	2	11	0.0	5 0	6.0n			88m†	1.0	-55	125	4	G04240b	FP28
13	RG221D	4		MON	3.5	.20	TTL	2	6	0.0	5.0	6.0n			88m†	1.0	-55	125	4	G04240b	M105m
14	RG221K	4		MON	3.5	.20	TTL	2	6	0.0	5 0	6.0n			88m†	1.0	-55	125	4	G04240b	FP28
15	RG222D	4		MON	3.5	.20	TTL	2	9	0.0	5.0	6.0n			88m†	1.0	0	75	4	G04240b	M105m
16	RG222K	4		MON	3.5	.20	TTL	2	9	0 0	5 0	6.0n			88m†	1.0	0	75	4	G04240b	FP28
17	RG223D	4		MON	3.5	.20	TTL	2	5	0.0	5	6.0n			88m†	1.0	0	75	4	G04240b	M105m
18	RG223K	4		MON	3.5	.20	TTL	2	5	0.0	5	6.0n			88m†	1.0	0	75	4	G04240b	FP28
19	RG240D	4		MON	3.5	.20	TTL	4	11	0.0	5 0	6.0n			44m†	1 0	-55	125	2	G04240	M105m
20	RG240K	4		MON	3.5	.20	TTL	4	11	0.0	5 0	6.0n			44m†	1.0	-55	125	2	G04240	FP28
21	RG241D	4		MON	3.5	.20	TTL	4	6	0.0	5.0	6.0n			44m†	1.0	-55	125	2	G04240	M105m
22	RG241K	4		MON	3 5	20	TTL	4	6	0.0	5 0	6.0n			44m†	1.0	-55	125	2	G04240	FP28
23	RG242D	4		MON	3.5	.20	TTL	4	9	0.0	5.0	6.0n			44m†	1.0	0	75	2	G04240	M105m
24	RG242K	4		MON	3.5	.20	TTL	4	9	0.0	5 0	6.0n			44m†	1.0	0	75	2	G04240	FP28
25	RG243D	4		MON	3 5	.20	TTL	4	5	0.0	5.0	6.0n			44m†	1.0	0	75	2	G04240	M105m
26	RG243K	4		MON	3.5	20	TTL	4	5	0 0	5 0	6 0n			44m†	1 0	0	75	2	G04240	FP28
27	RG260D	4		MON	3.5	.20	TTL	8	11	0.0	5.0	8.0n			22m†	1.0	-55	125	1	G04240a	M105m
28	RG260K	4		MON	3.5	20	TTL	8	11	0 0	5 0	8.0n			22m†	1.0	-55	125	1	G04240a	FP28
29	RG261D	4		MON	3.5	20	TTL	8	6	0.0	5 0	8.0n			22m†	1.0	-55	125	1	G04240a	M105m
30	RG261K	4		MON	3.5	.20	TTL	8	6	0.0	5.0	8.0n			22m†	1.0	-55	125	1	G04240a	FP28
31	RG262D	4		MON	3.5	.20	TTL	8	9	0 0	5 0	8.0n			22m†	1.0	0	75	1	G04240a	M105m
32	RG262K	4		MON	3.5	.20	TTL	8	9	0.0	5 0	8.0n			22m†	1 0	0	75	1	G04240a	FP28
33	RG263D	4		MON	3.5	.20	TTL	8	5	0.0	5 0	8.0n			22m†	1.0	0	75	1	G04240a	M105m
34	RG263K	4		MON	3 5	.20	TTL	8	5	0.0	5.0	8.0n			22m†	1.0	0	75	1	G04240a	FP28
35#	ZN5400E	4		MON	3.5	.20	TTL	2	10	0.0	5 0	29n			10m	1.0	-55	125	4		M126
36#	ZN5400F	4		MON	3.5	.20	TTL	2	10	0.0	5.0	29n			10m	1.0	-55	125	4		TO86
37#	ZN5401E	4		MON	3.5	.20	TTL	2	10	0 0	5 0	29n			10m	1.0	-55	125	4		M126
38#	ZN5401F	4		MON	3.5	.20	TTL	2	10	0.0	5 0	29n			10m	1.0	-55	125	4		TO86
39#	ZN5410E	4		MON	3.5	.20	TTL	3	10	0.0	5.0	29n			10m	1.0	-55	125	3		M126
40#	ZN5410F	4		MON	3.5	.20	TTL	3	10	0 0	5.0	29n			10m	1.0	-55	125	3		TO86
41#	ZN5420E	4		MON	3.5	.20	TTL	4	10	0.0	5.0	29n			10m	1.0	-55	125	2		M126
42#	ZN5420F	4		MON	3.5	.20	TTL	4	10	0.0	5 0	29n			10m	1.0	-55	125	2		TO86
43#	ZN5430E	4		MON	3.5	20	TTL	8	10	0.0	5.0	29n			10m	1 0	-55	125	1		M126
44#	ZN5430F	4		MON	3.5	.20	TTL	8	10	0.0	5.0	29n			10m	1.0	-55	125	1		TO86
45#	ZN5440E	4		MON	3.5	.20	TTL	4	10	0.0	5.0	29n			10m	1.0	-55	125	2		M126
46#	ZN5440F	4		MON	3.5	20	TTL	4	10	0.0	5.0	29n			10m	1.0	-55	125	2		TO86
47#	ZN7400E	4		MON	3.5	.20	TTL	2	10	0.0	5.0	29n			10m	1.0	-55	125	4		M126
48#	ZN7400F	4		MON	3.5	.20	TTL	2	10	0.0	5.0	29n			10m	1.0	-55	125	4		TO86
49#	ZN7401E	4		MON	3.5	20	TTL	2	10	0.0	5.0	29n			10m	1.0	-55	125	4		M126
50#	ZN7401F	4		MON	3.5	.20	TTL	2	10	0 0	5.0	29n			10m	1.0	-55	125	4		TO86
51#	ZN7410E	4		MON	3.5	20	TTL	3	10	0.0	5.0	29n			10m	1.0	-55	125	3		M126
52#	ZN7410F	4		MON	3.5	.20	TTL	3	10	0.0	5.0	29n			10m	1.0	-55	125	3		TO86
53#	ZN7420E	4		MON	3 5	20	TTL	4	10	0 0	5.0	29n			10m	1.0	-55	125	2		M126
54#	ZN7420F	4		MON	3 5	.20	TTL	4	10	0.0	5.0	29n			10m	1.0	-55	125	2		TO86
55#	ZN7430E	4		MON	3.5	.20	TTL	8	10	0 0	5 0	29n			10m	1.0	-55	125	1		M126
56#	ZN7430F	4		MON	3.5	.20	TTL	8	10	0.0	5.0	29n			10m	1.0	-55	125	1		TO86
57#	ZN7440E	4		MON	3.5	.20	TTL	4	10	0.0	5.0	29n			10m	1.0	-55	125	2		M126
58#	ZN7440F	4		MON	3 5	.20	TTL	4	10	0 0	5.0	29n			10m	1 0	-55	125	2		TO86
59	MC2001F	4		MON	3.5	.25†	TTL	2	9	0.0	5.0	6 0n%	4.0n	2.5n	88m†	1.0	0	75	4	G04361	TO86
60	MC2001L,P%	4		MON	3.5	.25†	TTL	2	9	0.0	5.0	6.0n%	4.0n	2.5n	88m†	1 0	0	75	4	G04361	TO116
61	MC2003F	4		MON	3 5	.25†	TTL	4	9	0 0	5.0	6.0n%	4.0n	2.5n	44m†	1.0	0	75	2	G04361a	TO86
62	MC2003L,P%	4		MON	3 5	25†	TTL	4	9	0.0	5.0	6 0n%	4.0n	2.5n	44m†	1.0	0	75	2	G04361a	TO116
63	MC2005F	4		MON	3.5	25†	TTL	8	9	0.0	5.0	8.0n%	4.0n	3.0n	22m†	1.0	0	75	1	G04360a	TO86
64	MC2005L,P%	4		MON	3.5	.25†	TTL	8	9	0.0	5 0	8.0n%	4 0n	3.0n	22m†	1.0	0	75	1	G04360a	TO116
65	MC2007F	4		MON	3 5	25†	TTL	3	9	0.0	5.0	6.0n%	4.0n	2.5n	66m†	1.0	0	75	3	G04360b	TO86
66	MC2007L,P%	4		MON	3.5	.25†	TTL	3	9	0.0	5.0	6.0n%	4.0n	2.5n	66m†	1.0	0	75	3	G04360b	TO116
67	MC2051F	4		MON	3 5	.25†	TTL	2	5	0.0	5.0	6.0n%	4.0n	2 5n	88m†	1.0	0	75	4	G04361	TO86
68	MC2051L,P%	4		MON	3.5	.25†	TTL	2	5	0.0	5.0	6.0n%	4.0n	2.5n	88m†	1.0	0	75	4	G04361	TO116
69	MC2053F	4		MON	3.5	.25†	TTL	4	5	0.0	5.0	6.0n%	4.0n	2.5n	44m†	1.0	0	75	2	G04361a	TO86
70	MC2053L,P%	4		MON	3 5	.25†	TTL	4	5	0 0	5.0	6 0n%	4.0n	2 5n	44m†	1.0	0	75	2	G04361a	TO116
71	MC2055F	4		MON	3.5	.25†	TTL	8	5	0.0	5.0	6.0n%	4.0n	3.0n	22m†	1.0	0	75	1	G04360a	TO86
72	MC2055L,P%	4		MON	3.5	.25†	TTL	8	5	0.0	5 0	8.0n%	4.0n	3.0n	22m†	1.0	0	75	1	G04360a	TO116
73	MC2057F	4		MON	3 5	.25†	TTL	3	5	0.0	5.0	6.0n%	4 0n	2 5n	66m†	1 0	0	75	3	G04360b	TO86
74	MC2057L,P%	4		MON	3.5	.25†	TTL	3	5	0.0	5.0	6 0n%	4.0n	2.5n	66m†	1.0	0	75	3	G04360b	TO116
75	MC2101F	4		MON	3 5	.25†	TTL	2	11	0 0	5.0	6.0n%	4.0n	2.5n	88m†	1.0	-55	125	4	G04361	TO86
76	MC2101L	4		MON	3.5	.25†	TTL	2	11	0	8	6.0n	4.0n	2.5n	88m†	1.0	-55	125	4	G04361	TO116
77	MC2103F	4		MON	3.5	25†	TTL	4	11	0.0	5.0	6.0n%	4.0n	2.5n	44m†	1.0	-55	125	2	G04361a	TO86
78	MC2103L	4		MON	3.5	25†	TTL	4	11	0	8	6.0n	4.0n	2.5n	44m†	1.0	-55	125	2	G04361a	TO116
79	MC2105F	4		MON	3 5	.25†	TTL	8	11	0.0	5 0	6.0n%	4.0n	3.0n	22m†	1.0	-55	125	1	G04360a	TO86
80	MC2105L	4		MON	3.5	.25†	TTL	8	11	0	8	8.0n	4.0n	3.0n	22m†	1.0	-55	125	1	G04360a	TO116
81	MC2107F	4		MON	3.5	.25†	TTL	3	11	0.0	5.0	6.0n%	4.0n	2 5n	66m†	1.0	-55	125	3	G04360b	TO86
82	MC2107L	4		MON	3.5	.25†	TTL	3	11	0	8	6.0n	4.0n	2.5n	66m†	1.0	-55	125	3	G04360b	TO116
83	MC2151F	4		MON	3.5	25†	TTL	2	6	0.0	5.0	6.0n%	4.0n	2.5n	88m†	1.0	-55	125	4	G04361	TO86
84	MC2151L	4		MON	3.5	25†	TTL	2	6	0	8	6.0n	4.0n	2.5n	88m†	1.0	-55	125	4	G04361	TO116
85	MC2153F	4		MON	3 5	.25†	TTL	4	6	0.0	5.0	6 0n%	4.0n	2.5n	44m†	1.0	-55	125	2	G04361a	TO86
86	MC2153L	4		MON	3.5	25†	TTL	4	6	0	8	6 0n	4.0n	2.5n	44m†	1.0	-55	125	2	G04361a	TO116
87	MC2155F	4		MON	3.5	.25†	TTL	8	6	0.0	5 0	6 0n%	4.0n	3.0n	22m†	1.0	-55	125	1	G04360a	TO86
88	MC2155L	4		MON	3.5	25†	TTL	8	6	0	8	8.0n	4.0n	3.0n	22m†	1.0	-55	125	1	G04360a	TO116
89	MC2157F	4		MON	3.5	25†	TTL	3	6	0 0	5.0	6.0n%	4.0n	2.5n	66m†	1.0	-55	125	3	G04360b	TO86
90	MC2157L	4		MON	3 5	.25†	TTL	3	6	0	8	6.0n	4.0n	2.5n	66m†	1.0	-55	125	3	G04360b	TO116
91	SP357A	4		MON	3 5%	.601*	TTL	2	40	0.0	5.0	50nΔ			92mΔ	300m*	0	75	4	G04436	TO116
92	T200	4	15M	PCB	5.0	0 0	TTL	2	10	0.0	5 0	8.0n			435m%	1.0			16	G043m	CB☑
93	T201	4	15M	PCB	5.0	0 0	TTL	3	10	0.0	5.0	8.0n			325m%	1.0			12	G043c	CB☑
94	T202	4	15M	PCB	5 0	0.0	TTL	4	10	0.0	5.0	8.0n			215m%	1.0			8	G043u	CB☑
95	T203	4	15M	PCB	5.0	0.0	TTL	2	30	0.0	5 0	8 0n			1.0 %	1.0			12	G043n	CB☑
96	T207	4	15M	PCB	5.0	0.0	TTL	4	30	0 0	5.0	10n			720m%	1.0			8	G043u	CB☑
97	T208	4	15M	PCB	5.0	0 0	TTL	8	10	0.0	5 0	8.0n			110m%	1.0			4	G043aa	CB☑
98	TNG5611F	4		MON	5.0%	.6*†	TTL	2	36	0	8	16nΔ			120m†	450mΔ	-55	125	4	G04330	FP21c
99	TNG5612F	4		MON	5.0%	6*†	TTL	2	36	0	7	16nΔ			120m†	450mΔ	0	75	4	G04330	FP21c
100	MC14023AL	4		MOS	9.99%	.01*†	TTL	3	50	0.0	10	50nΔ	75n	75n	1.0u		-55	125	3	G04451	TO116
101	MC14023CL,P%	4		MOS	9.99%	.01*†	TTL	3	50	0.0	10	60nΔ	110n	110n	10u		-40	85	3	G04451	TO116
102	UL02C	4	1 0MΔ	MOS	-9%	-3.5*	TTL	8	2	30	0	1.0u			760m	1.0	-55	175	2	G04375	FP34
103	M200	4	3.0M	PCB	10	0.0	TTL	2	50	0.0	10	65n	20n	20n			-55	95	16		CB☑
104	M202	4	3.0M	PCB	10	0 0	TTL	3	50	0.0	10	40n	20n	20n			-55	95	12		CB☑
105	M204	4	3.0M	PCB	10	0.0	TTL	4	50	0 0	10	130n	20n	20n			-55	95	8		CB☑
106	TRWG393#1	4		MON	10	.70	TTL	10	8	0.0	12	100n	80n	30n	45m	6.0	-55	125	4		M157
107	TRWG393#2	4		MON	10	.70	TTL	10	8	0 0	12	100n	80n	30n	45m	6.0	-55	125	4		M126
108	TRWG394#1	4		MON	10	70	TTL	16	12	0 0	12	100n	80n	30n	28m	6.0	-55	125	2		M157
109	TRWG394#2	4		MON	10	.70	TTL	16	12	0.0	12	100n	80n	30n	28m	6.0	-55	125	2		M126

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	TRWG395#1	4		MON	10	70	TTL	16	12	0.0	12	100n	80n	30n	51m	6.0	-55	125	2		M157
2	TRWG395#2	4		MON	10	.70	TTL	16	12	0.0	12	100n	80n	30n	51m	6.0	-55	125	2		M126
3	MC5426L	4		MON	15%	40*†	TTL	2	10	0 0	5.0	17n%			40mt		-55	125	4	G04450	TO116
4	MC7426L,P%	4		MON	15%	.40*†	TTL	2	10	0 0	5.0	17n%			40mt		0	70	4	G04450	TO116
5	MIC946-1C	4 3M		MON	1.9%	1 1*	DTL	2	8	0	5.5	80nΔ			62m	350m*	-55	125	4	G04217a	CN38
6	MIC946-5C	4,3M		MON	1.9%	1 1*	DTL	2	8	0	5.0	80nΔ			80m	350m*	0	75	4	G04217a	CN38
7	MIC949-1C	4 3M		MON	1.9%	1.1*	DTL	2	7	0	5.5	50nΔ			109n	350m*	-55	125	4	G04217a	CN38
8	MIC949-5C	4.3M		MON	1.9%	1 1*	DTL	2	7	0	5 0	50nΔ			117m	350m*	0	75	4	G04217a	CN38
9	MIC962-1C	4.3M		MON	1.9%	1.1*	DTL	3	8	0	5.5	80nΔ			48m	350m*	-55	125	3	G04217b	CN38
10	MIC962-5C	4.3M		MON	1 9%	1.1*	DTL	3	8	0	5.0	80nΔ			60m	350m*	0	75	3	G04217b	CN38
11	MIC963-1C	4.3M		MON	1.9%	1.1*	DTL	3	7	0	5.5	50nΔ			81m	350m*	-55	125	3	G04217b	CN38
12	MIC963-5C	4.3M		MON	1.9%	1.1*	DTL	3	7	0	5.0	50nΔ			88m	350m*	0	75	3	G04217b	CN38
13#	MIC930R3D	4,3		MON	1.9%	1.1*	DTL	5Δ	8	0.0	5 0	80nΔ			32m§	700m	-40	85	2	G0427a	M294b
14#	MIC930R6D	4,3		MON	1.9%	1 1*	DTL	5Δ	8	0 0	5 0	80nΔ			32m§	700m	-20	75	2	G0427a	M294b
15#	MIC930R7D	4,3		MON	1.9%	1.1*	DTL	5Δ	8	0 0	5.0	80nΔ			40m§	700m	0	75	2	G0427a	M294b
16#	MIC932R3D	4,3		MON	1.9%	1 1*	DTL	5Δ	25	0.0	5.0	80nΔ			133m§	700m	-40	85	2	G04154a	M294b
17#	MIC932R6D	4,3		MON	1.9%	1 1*	DTL	5Δ	25	0.0	5.0	80nΔ			133m§	700m	-20	75	2	G04154a	M294b
18#	MIC932R7D	4,3		MON	1.9%	1.1*	DTL	5Δ	25	0.0	5 0	80nΔ			150m§	700m	0	75	2	G04154a	M294b
19#	MIC936R3D	4,3		MON	1.9%	1 1*	DTL	1	8	0 0	5 0	80nΔ			97m§	700m	-40	85	6	G04310e	M294b
20#	MIC936R6D	4,3		MON	1.9%	1.1*	DTL	1	8	0.0	5 0	80nΔ			97m§	700m	-20	75	6	G04310e	M294b
21#	MIC936R7D	4,3		MON	1.9%	1.1*	DTL	1	8	0.0	5.0	80nΔ			120m§	700m	0	75	6	G04310e	M294b
22#	MIC944R3D	4,3		MON	1.9%	1.1*	DTL	5Δ	25	0.0	5.0	50nΔ			100m§	700m	-40	85	2	G0589a	M294b
23#	MIC944R6D	4,3		MON	1.9%	1.1*	DTL	5Δ	25	0.0	5.0	50nΔ			100m§	700m	-20	75	2	G0589a	M294b
24#	MIC944R7D	4,3		MON	1.9%	1.1*	DTL	5Δ	25	0 0	5 0	50nΔ			100m§	700m	0	75	2	G0589a	M294b
25#	MIC946R3D	4,3		MON	1 9%	1.1*	DTL	2	8	0 0	5 0	80nΔ			65m§	700m	-40	85	4	G04217a	M294b
26#	MIC946R6D	4,3		MON	1 9%	1 1*	DTL	2	8	0.0	5.0	80nΔ			65m§	700m	-20	75	4	G04217a	M294b
27#	MIC946R7D	4,3		MON	1 9%	1.1*	DTL	2	8	0.0	5 0	80nΔ			80m§	700m	0	75	4	G04217a	M294b
28#	MIC962R3D	4,3		MON	1 9%	1 1*	DTL	3	8	0 0	5.0	80nΔ			48m§	700m	-40	85	3	G04217b	M294b
29#	MIC962R6D	4,3		MON	1 9%	1 1*	DTL	3	8	0.0	5.0	80nΔ			48m§	700m	-20	75	3	G04217b	M294b
30#	MIC962R7D	4,3		MON	1.9%	1.1*	DTL	3	8	0.0	5 0	80nΔ			60m§	700m	0	75	3	G04217b	M294b
31	RC6172T	4,3		MON	2.0%	1.0*	DTL	3	11	0	6 0	40n			40mt	550m	0	75	2	G0428d	TO101
32	RM6172T	4,3		MON	2.0%	1.0*	DTL	3	11	0	6.0	40n			40mt	550m	-55	125	2	G0428d	TO101
33	RG222BL	4,3		MON	3.0%	40*	TTL	2	9	0.0	5.0	10nΔ	4.0n	2.5n	88mt	1.0	0	75	4	G04240b	FC5
34	RG223BL	4,3		MON	3.0%	.40*	TTL	2	5	0.0	5.0	10nΔ	4 0n	2 5n	88mt	1.0	0	75	4	G04240b	FC5
35	RG242BL	4,3		MON	3.0%	.40*	TTL	4	9	0.0	5 0	10nΔ	4.0n	2 5n	44mt	1.0	0	75	2	G04240	FC5a
36	RG243BL	4,3		MON	3.0%	.40*	TTL	4	5	0.0	5 0	10nΔ	4.0n	2.5n	44mt	1.0	0	75	2	G04240	FC5a
37	RG262BL	4,3		MON	3 0%	40*	TTL	8	9	0.0	5.0	12nΔ	4 0n	3.0n	22mt	1 0	0	75	1	G04240d	FC5a
38	RG263BL	4,3		MON	3.0%	40*	TTL	8	5	0.0	5.0	12nΔ	4 0n	3 0n	22mt	1.0	0	75	1	G04240d	FC5a
39	RG220BL	4,3		MON	3 1%	.40*	TTL	2	11	0 0	5 0	10nΔ	4 0n	2.5n	88mt	1.0	-55	125	4	G04240b	FC5
40	RG221BL	4,3		MON	3.1%	40*	TTL	2	6	0.0	5.0	10nΔ	4.0n	2 5n	88mt	1.0	-55	125	4	G04240b	FC5
41	RG240BL	4,3		MON	3.1%	40*	TTL	4	11	0.0	5.0	10nΔ	4 0n	2 5n	44mt	1.0	-55	125	2	G04240	FC5a
42	RG241BL	4,3		MON	3 1%	40*	TTL	4	6	0.0	5.0	10nΔ	4.0n	2 5n	44mt	1.0	-55	125	2	G04240	FC5a
43	RG260BL	4,3		MON	3 1%	.40*	TTL	8	11	0.0	5.0	12nΔ	4.0n	3 0n	22mt	1.0	-55	125	1	G04240d	FC5a
44	RG261BL	4,3		MON	3.1%	.40*	TTL	8	6	0.0	5 0	12nΔ	4 0n	3 0n	22mt	1.0	-55	125	1	G04240d	FC5a
45	MC453F	4,3,1		MON	3 3	.25	TTL	8	6	0.0	5.0	11n	8.0n	6.0n	35mt	900m	0	75	1	G04359	TO86
46	MC403F	4,3,1		MON	3.3	.26	TTL	8	12	0.0	5.0	11n	8.0n	6.0n	35mt	900m	0	75	1	G04359	TO86
47	MC403L,P%	4,3,1		MON	3.3	.26	TTL	8	12	0.0	5.0	11n	8.0n	6.0n	35mt	900m	0	75	1	G04359	TO116
48	MC453L,P%	4,3,1		MON	3.3	.26	TTL	8	6	0.0	5.0	11n	8.0n	6.0n	35mt	900m	0	75	1	G04359	TO116
49	MC503F	4,3,1		MON	3.3	.26	TTL	8	15	0.0	5.0	11n	8 0n	6.0n	35mt	900m	-55	125	1	G04359	TO86
50	MC503L	4,3,1		MON	3 3	.26	TTL	8	15	0	8	11n	8 0n	6.0n	35mt	900m	-55	125	1	G04359	TO116
51	MC553F	4,3,1		MON	3.3	.26	TTL	8	7	0.0	5.0	11n	8.0n	6.0n	35mt	900m	-55	125	1	G04359	TO86
52	MC553L	4,3,1		MON	3.3	.26	TTL	8	7	0	8	11n	8 0n	6.0n	35mt	900m	-55	125	1	G04359	TO116
53	MC14501AL	4,3G		MOS	9.99%	.01*†		4†	50	0 0	10	20n%	30nt	30nt	1 0u		-55	125	2	G04452	M191
54	MC14501CL	4,3G		MOS	9.99%	.01*†		4†	50	0.0	10	20n%	30nt	30nt	10u		-40	85	2	G04452	M191
55	MC14501CP	4,3G		MOS	9.99%	.01*†		4†	50	0 0	10	20n%	30nt	30nt	10u		-40	85	2	G04452	M278
56	MIC930-1B	4,3M		MON	1.9%	1.1*	DTL	5Δ	8	0.0	5.5	80nΔ			32m	350m*	-55	125	2	G0427a	FP32
57	MIC930-1C	4,3M		MON	1.9%	1.1*	DTL	3	8	0.0	5.5	80nΔ			32m	350m*	-55	125	2	G0427p	CN38
58	MIC930-1D	4,3M		MON	1.9%	1.1*	DTL	5Δ	8	0 0	5.5	80nΔ			32m	350m*	-55	125	2	G0427a	M75g
59	MIC930-5B	4,3M		MON	1.9%	1.1*	DTL	5Δ	8	0	5.5	80nΔ			40m	350m*	0	75	2	G0427a	FP32
60	MIC930-5C	4,3M		MON	1.9%	1.1*	DTL	3	8	0.0	5.0	80nΔ			40m	350m*	0	75	2	G0427p	CN38
61	MIC930-5D	4,3M		MON	1.9%	1.1	DTL	5Δ	8	0	5	80nΔ			40m	350m*	0	75		G0427a	M75g
62	MIC936-1B	4,3M		MON	1.9%	1.1*	DTL	1	8	0	5 5	80nΔ			96m	350m*	-55	125	6	G04310e	FP32
63	MIC936-1D	4,3M		MON	1.9%	1.1*	DTL	1	8	0	5.5	80nΔ			96m	350m*	-55	125	6	G04310e	M75g
64	MIC936-5B	4,3M		MON	1.9%	1.1*	DTL	1	8	0	5	80nΔ			115m	350m*	0	75	6	G04310e	FP32
65	MIC936-5D	4,3M		MON	1.9%	1.1	DTL	1	8	0	5	80nΔ			115m	350m*	0	75		G04310e	M75g
66	MIC937-1B	4,3M		MON	1.9%	1 1*	DTL	1	7	0	5.5	50nΔ			163m	350m*	-55	125	6	G04310e	FP32
67	MIC937-1D	4,3M		MON	1.9%	1.1*	DTL	1	7	0	5.5	50nΔ			163m	350m*	-55	125	6	G04310e	M75g
68	MIC937-5B	4,3M		MON	1 9%	1.1*	DTL	1	7	0	5	50nΔ			177m	350m*	0	75	6	G04310e	FP32
69	MIC937-5D	4,3M		MON	1.9%	1.1	DTL	1	7	0	5	50nΔ			177m	350m*	0	75		G04310e	M75g
70	MIC946-1B	4,3M		MON	1.9%	1.1*	DTL	2	8	0.0	5.5	80nΔ			62m	350m*	-55	125	4	G04217a	FP32
71	MIC946-1D	4,3M		MON	1.9%	1 1*	DTL	2	8	0.0	5.5	80nΔ			62m	350m*	-55	125	4	G04217a	M75g
72	MIC946-5B	4,3M		MON	1.9%	1.1*	DTL	2	8	0	5	80nΔ			80m	350m*	0	75	4	G04217a	FP32
73	MIC946-5D	4,3M		MON	1.9%	1.1	DTL	2	8	0	5	80nΔ			80m	350m*	0	75		G04217a	M75g
74	MIC949-1B	4,3M		MON	1.9%	1 1*	DTL	2	7	0	5 5	50nΔ			109m	350m*	-55	125	4	G04217a	FP32
75	MIC949-1D	4,3M		MON	1.9%	1.1*	DTL	2	7	0	5.5	50nΔ			109m	350m*	-55	125	4	G04217a	M75g
76	MIC949-5B	4,3M		MON	1.9%	1.1*	DTL	2	7	0	5	50nΔ			117m	350m*	0	75	4	G04217a	FP32
77	MIC949-5D	4.3M		MON	1.9%	1 1	DTL	2	7	0	5	50nΔ			117m	350m*	0	75		G04217a	M75g
78	MIC961-1B	4,3M		MON	1.9%	1.1*	DTL	5Δ	7	0 0	5 5	50nΔ			54m	350m*	-55	125	2	G0427a	FP32
79	MIC961-1C	4,3M		MON	1.9%	1 1*	DTL	3	7	0.0	5.5	50nΔ			54m	350m*	-55	125	2	G0427p	CN38
80	MIC961-1D	4,3M		MON	1.9%	1.1*	DTL	5Δ	7	0 0	5 5	50nΔ			54m	350m*	-55	125	2	G0427a	M75g
81	MIC961-5B	4,3M		MON	1.9%	1.1*	DTL	5Δ	7	0	5	50nΔ			59m	350m*	0	75	2	G0427a	FP32
82	MIC961-5C	4,3M		MON	1.9%	1 1	DTL	5Δ	7	0	5	50nΔ			59m	350m*	0	75		G0427p	CN38
83	MIC961-5D	4,3M		MON	1.9%	1.1	DTL	5Δ	7	0	5	50nΔ			59m	350m*	0	75		G0427a	M75g
84▼#	MIC962-1D	4,3M		MON	1.9%	1.1	DTL	3	8	0.0	5.0	80nΔ			60m	350m*	0	75	3	G04217b	M75g
85	MIC962-5B	4,3M		MON	1.9%	1 1*	DTL	3	8	0	5	80nΔ			60m	350m*	0	75	3	G04217b	FP32
86	MIC962-5D	4,3M		MON	1.9%	1.1	DTL	3	8	0	5	80nΔ			60m	350m*	0	75		G04217b	M75g
87	MIC963-5B	4,3M		MON	1.9%	1.1*	DTL	3	7	0.0	5.0	50nΔ			88m	350m*	0	75	3	G04217b	FP32
88	MIC963-5D	4,3M		MON	1.9%	1.1	DTL	3	7	0.0	5.0	50nΔ			88m	350m*	0	75		G04217b	M75g
89	MIC962-1B	4,3M		MON	2.0%	1 1*	DTL	3	8	0.0	5.5	80nΔ			48m	350m*	-55	125	3	G04217b	FP32
90	MIC963-1B	4,3M		MON	2.0%	1.1*	DTL	3	7	0	5.5	50nΔ			81.m	350m*	-55	125	3	G04217b	FP32
91	MIC963-1D	4,3M		MON	2.0%	1.1*	DTL	3	7	0	5.5	50nΔ			81.m	350m*	-55	125	3	G04217b	M75g
92	MIC932-1B	4,3M		MON	1.9%	1.1*	TTL	5Δ	25	0	5.5	80nΔ			133m	350m*	-55	125	2	G04154a	FP32
93	MIC932-1C	4,3M		MON	1.9%	1.1*	TTL	3	25	0 0	5.5	80nΔ			133m	350m*	-55	125	2	G04154b	CN38
94	MIC932-1D	4,3M		MON	1.9%	1.1*	TTL	5Δ	25	0.0	5.5	80nΔ			133m	350m*	-55	125	2	G04154a	M75g
95	MIC932-5B	4,3M		MON	1.9%	1.1*	TTL	5Δ	25	0	5	80nΔ			150m	350m*	0	75	2	G04154b	FP32
96	MIC932-5C	4,3M		MON	1.9%	1.1*	TTL	3	25	0.0	5.0	80nΔ			150m	350m*	0	75	2	G04154b	CN38
97	MIC932-5D	4,3M		MON	1.9%	1.1	TTL	5Δ	25	0	5	80nΔ			150m	350m*	0	75		G04154a	M75g
98	MIC944-1B	4,3M		MON	1.9%	1.1*	TTL	5Δ	25	0	5.5	50nΔ			100m	350m*	-55	125	2	G0589a	FP32
99	MIC944-1C	4,3M		MON	1.9%	1.1*	TTL	3	25	0.0	5.5	50nΔ			100m	350m*	-55	125	2	G0589b	CN38
100	MIC944-1D	4,3M		MON	1.9%	1 1*	TTL	5Δ	25	0	5.5	50nΔ			100m	350m*	-55	125	2	G0589a	M75g
101	MIC944-5B	4,3M		MON	1.9%	1.1*	TTL	5Δ	25	0	5	50nΔ			100m	350m*	0	75	2	G0589a	FP32
102	MIC944-5C	4,3M		MON	1.9%	1.1*	TTL	3	25	0.0	5.0	50nΔ			100m	350m*	0	75	2	G0589b	CN38
103	MIC944-5D	4,3M		MON	1 9%	1.1	TTL	5Δ	25	0	5	50nΔ			100m	350m*		0 75		G0589a	M75g
104	MC962G	4C		MON	2.6%	.40*	DTL	2†	8	0.0	5.0	30n%			30mt		-55	125	3	G04229e	TO100
105	MC963G	4C		MON	2.6%	40*	DTL	2†	7	0.0	5.0	25n%			45mt		-55	125	3	G04229e	TO100
106	MC862G	4C		MON	2.6%	.45*	DTL	2†	8	0.0	5.0	30n%			30mt		0	75	3	G04229e	TO100
107	MC863G	4C		MON	2.6%	.45*	DTL	2†	7	0.0	5.0	25n%			45mt		0	75	3	G04229e	TO100
108	332AJ	4C		MON	6.5*	5.0%	DTL	2†	5	0 0	15	350nΔ			630mt	3.2	-30	70	6	G04457	M319
109	332AL	4C		MON	6.5*	5.0%	DTL	2†	5	0.0	15	350nΔ			630mt	3.2	-30	70	6	G04457	M200j
110	332BL	4C		MON	6.5*	5.0%	DTL	2†	5	0.0	12	350nΔ			336mt	3.5	-55	125	6	G04457	M200j

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	332CJ	4C		MON	6 5*	5.0%	DTL	2†	5	0 0	12	350nΔ			336mt	3.5	-30	85	6	G04457	M319
2	332CL	4C		MON	6.5*	5 0%	DTL	2†	5	0.0	12	350nΔ			336mt	3.5	-30	85	6	G04457	M200j
3	332ML	4C		MON	6.5*	5.0%	DTL	2†	5	0 0	15	350nΔ			630mt	3.2	-55	125	6	G04457	M200j
4	333AL	4C		MON	6 5*	5.0%	DTL	2†	5	0 0	15	350nΔ			900mt	3.2	-30	70	6	G04458	M200j
5	333BL	4C		MON	6 5*	5.0%	DTL	2†	5	0 0	12	350nΔ			504mt	3.5	-55	125	6	G04458	M200j
6	333CJ	4C		MON	6 5*	5 0%	DTL	2†	5	0.0	12	350nΔ			504mt	3.5	-30	85	6	G04458	M319
7	333CL	4C		MON	6 5*	5.0%	DTL	2†	5	0 0	12	350nΔ			504mt	3.5	-30	85	6	G04458	M200j
8	333ML	4C		MON	6.5*	5.0%	DTL	2†	5	0 0	15	350nΔ			900mt	3.2	-55	125	6	G04458	M200j
9#	FLH251-4929	4C		MON	2.0%	80*	TTL	2†	10	0.0	5.0	18n%			150mt	1.0 Δ	0	70	6	G04424a	M117w
10#	FLH255-49829	4C		MON	2.0%	.80*	TTL	2†	10	0 0	5 0	18n%			150mt	1 0 Δ	-25	85	6	G04424a	M117w
11	SN516B	4CE		MON	30*	2.0%	RCT	2	25%	0.0	8.0	60n	70n	930n	8.0mΔ	200m	-55	125	2	G04193c	FP22
12	SNR516	4CE		MON	30*	2.0%	RCT	2	25%	0 0	8 0	60n	70n	930n	8 0mΔ	200m	-55	125	2	G04193c	FP22
13	SN5162B	4E		MON	.30*		RCT	2	25%	0.0	8.0	70n	70n	650n	10mΔ	200m	-55	125	3	G04193e	TO84
14	SNR5162	4E		MON	.30*	2.0%	RCT	2	25%	0 0	8.0	70n	70n	650n	10mΔ	200m	-55	125	3	G04193e	TO84
15	DM8810N	4E		MOS	2.0%	80*	TTL	2		0.0	5.0	12n					0	70	4	G04387c	M126d
16	DM8811N	4E		MOS	2.0%	80*	TTL	2		0.0	5.0	12n					0	70	4	G04387c	M126d
17	SN513B	4EM		MON	.30*	2 5%	RCT	6	25	0	8	95n	80n	1 3u	10m%	200m	-55	125	1	G04341a	FP22
18	SNR513	4EM		MON	30*	2 5%	RCT	6	25	0	8	95n	80n	1 3u	10mt	200m	-55	125	1	G04341a	FP22
19#	FZH261	4G		MON	7.5%	4.5*	DTL	2†	10	0 0	15				360mt	5 0 Δ	0	70	6	G04447a	
20#	FZH265	4G		MON	7.5%	4 5*	DTL	2†	10	0 0	15				360mt	5 0 Δ	-25	85	6	G04447a	
21	B123	4M	10M	PCB	0.0	-3.0		3		15	10	12n			40m	500m	-20	65	4	G04270	CB31
22	6N128	4M			2 0%	80*		2		0.0	5.0	20nΔ					-55	125	4	G04392	TO84
23	6N129	4M			2.0%	80*		3		0 0	5.0	20nΔ					-55	125	3	G04392a	TO84
24	6N130	4M			2 0%	80*		4		0.0	5.0	20nΔ					-55	125	2	G04392b	TO84
25	6N131	4M			2.0%	.80*		8		0 0	5 0	20nΔ					-55	125	1	G04393	TO84
26	6N132	4M			2.0%	80*		4		0 0	5.0	20nΔ					-55	125	2	G04392b	TO84
27	9963DC	4M		MON	2.6%	40†*		3	7	0 0	8 0	36n			25m	1 0	0	75	3	G0492b	TO116
28#	H102D1	4M		MON	8.0%	6 0*		2	25	0.0	20	250nΔ			150m%	5 0 Δ	0	75	4	G04432	TO116
29#	H102D6	4M		MON	8.0%	6.0*		2	25	0.0	20	250nΔ			150m%	5.0 Δ	-40	85	4	G04432	TO116
30#	H103D1	4M		MON	8 0%	6.0*		3	25	0.0	20	250nΔ			150m%	5 0 Δ	0	75	3	G04432a	TO116
31#	H103D6	4M		MON	8.0%	6.0*		3	25	0.0	20	250nΔ			150m%	5 0 Δ	-40	85	3	G04432a	TO116
32#	H104D1	4M		MON	8.0%	6 0*		5Δ	25	0.0	20	250nΔ			150m%	5.0 Δ	0	75	2	G04432b	TO116
33#	H104D6	4M		MON	8 0%	6.0*		5Δ	25	0 0	20	250nΔ			150m%	5 0 Δ	-40	85	2	G04432b	TO116
34	SP659A	4M		MON			DTL	5Δ	8	0 0	4 5	55n			90mt	2 0	0	75	2	G04227c	M105ae
35#	9944-9-3I	4M		MON		.45†*	DTL	5Δ		0.0	5.0	50nΔ			100m		0	75	2	G04218a	FP28b
36#	9944-9-6A	4M		MON		.45†*	DTL	5Δ		0 0	5.0	50nΔ			100m		0	75	2	G04218a	M157
37	SFC944E	4M		MON		.45†*	DTL	5Δ		0 0	5 0	50nΔ			100m		0	75	2	G04218a	M126
38	SN15832N	4M		MON		.45†*	DTL	5Δ	25	0.0	8.0	80nΔ			10mt		0	75	2	G04218	M75a
39	R113	4M	10M	PCB	0.0	-3.0	DTL	2		15	10				40m	1.0	-20	65	5	G04246	CB31
40	R123	4M	10M	PCB	0 0	-3.0	DTL	3		15	10				40m	1 0	-20	65	3	G04248	CB31
41#	E301D2	4M		MON	1.7%	.90*	DTL	5Δ	10	0.0	5 0	150nΔ			2.0mt	450m	-55	125	2	G04416	FP28c
42#	E301D7	4M		MON	1.7%	.90*	DTL	5Δ	10	0 0	5 0	150nΔ			2.0mt	450m	-20	100	2	G04416	FP28c
43#	E301F2	4M		MON	1.7%	90*	DTL	5Δ	10	0 0	5 0	150nΔ			2.0mt	450m	-55	125	2	G04416	M105e
44#	E301F7	4M		MON	1.7%	.90*	DTL	5Δ	10	0.0	5.0	150nΔ			2.0mt	450m	-20	100	2	G04416	M105e
45#	E302D2	4M		MON	1 7%	90*	DTL	2	10	0.0	5 0	90nΔ			4.0mt	450m	-55	125	4	G04417	FP28c
46#	E302D7	4M		MON	1 7%	90*	DTL	2	10	0.0	5 0	90nΔ			4 0mt	450m	-20	100	4	G04417	FP28c
47#	E302F2	4M		MON	1 7%	.90*	DTL	2	10	0.0	5.0	90nΔ			4.0mt	450m	-55	125	4	G04417	M105e
48#	E302F7	4M		MON	1.7%	.90*	DTL	2	10	0.0	5.0	90nΔ			4 0mt	450m	-20	100	4	G04417	M105e
49#	E303D2	4M		MON	1.7%	90*	DTL	3	10	0.0	5 0	100nΔ			3 0mt	450m	-55	125	3	G04417a	FP28c
50#	E303D7	4M		MON	1.7%	.90*	DTL	3	10	0 0	5.0	100nΔ			3.0mt	450m	-20	100	3	G04417a	FP28c
51#	E303F2	4M		MON	1.7%	.90*	DTL	3	10	0 0	5 0	100nΔ			3.0mt	450m	-55	125	3	G04417a	M105e
52#	E303F7	4M		MON	1 7%	.90*	DTL	3	10	0.0	5.0	100nΔ			3 0mt	450m	-20	100	3	G04417a	M105e
53#	E304D2	4M		MON	1 7%	90*	DTL	5Δ	10	0.0	5.0	100nΔ			2.0mt	450m	-55	125	2	G04417b	FP28c
54#	E304D7	4M		MON	1.7%	.90*	DTL	5Δ	10	0 0	5 0	100nΔ			2 0mt	450m	-20	100	2	G04417b	FP28c
55#	E304F2	4M		MON	1.7%	90*	DTL	5Δ	10	0.0	5.0	100nΔ			2 0mt	450m	-55	125	2	G04417b	M105e
56#	E304F7	4M		MON	1.7%	.90*	DTL	5Δ	10	0 0	5 0	100nΔ			2.0mt	450m	-20	100	2	G04417b	M105e
57#	E305D2	4M		MON	1.7%	90*	DTL	5Δ	10	0 0	5.0	150nΔ			2.0mt	450m	-55	125	2	G04418	FP28c
58#	E305D7	4M		MON	1.7%	.90*	DTL	5Δ	10	0 0	5 0	150nΔ			2 0mt	450m	-20	100	2	G04418	FP28c
59#	E305F2	4M		MON	1.7%	.90*	DTL	5Δ	10	0.0	5.0	150nΔ			2.0mt	450m	-55	125	2	G04418	M105e
60#	E305F7	4M		MON	1.7%	90*	DTL	5Δ	10	0.0	5 0	150nΔ			2.0mt	450m	-20	100	2	G04418	M105e
61#	E306D2	4M		MON	1 7%	90*	DTL	5Δ	10	0.0	5.0	400nΔ			2.0mt	450m	-55	125	2	G04395	FP28c
62#	E306D7	4M		MON	1.7%	.90*	DTL	5Δ	10	0 0	5.0	400nΔ			2 0mt	450m	-20	100	2	G04395	FP28c
63#	E306F2	4M		MON	1.7%	.90*	DTL	5Δ	10	0.0	5.0	400nΔ			2.0mt	450m	-55	125	2	G04395	M105e
64#	E306F7	4M		MON	1 7%	90*	DTL	5Δ	10	0.0	5.0	400nΔ			2.0mt	450m	-20	100	2	G04395	M105e
65	SW930-1P	4M		MON	1.8%	1.2*	DTL	5Δ	8	0.0	5 0	30n%			16mt	1.0 Δ	-55	125	2	G0492	TO116
66	SW930-2M	4M		MON	1.8%	1 2*	DTL	5Δ	8	0 0	5 0	30n%			16mt	800mΔ	0	75	2	G0492	M105n
67	SW930-2P	4M		MON	1 8%	1 2*	DTL	5Δ	8	0.0	5.0	30n%			16mt	800mΔ	0	75	2	G0492	TO116
68	SW932-1P	4M		MON	1.8%	1.2*	DTL	5Δ	25	0.0	5.0	35n%			60mt	1 0 Δ	-55	125	2	G04207a	TO116
69	SW932-2M	4M		MON	1.8%	1.2*	DTL	5Δ	25	0.0	5 0	35n%			60mt	800mΔ	0	75	2	G04207a	M105n
70	SW932-2P	4M		MON	1 8%	1 2*	DTL	5Δ	25	0 0	5.0	35n%			60mt	800mΔ	0	75	2	G04207a	TO116
71	SW944-1P	4M		MON	1.8%	1 2*	DTL	5Δ	27	0.0	5 0	25n%			44mt	1.0 Δ	-55	125	2	G04154	TO116
72	SW944-2M	4M		MON	1.8%	1 2*	DTL	5Δ	27	0 0	5 0	25n%			44mt	800mΔ	0	75	2	G04154	M105n
73	SW944-2P	4M		MON	1.8%	1.2*	DTL	5Δ	27	0 0	5 0	25n%			44mt	800mΔ	0	75	2	G04154	TO116
74	SW946-1P	4M		MON	1.8%	1 2*	DTL	2	8	0.0	5 0	30n%			32mt	1.0 Δ	-55	125	4	G0492g	TO116
75	SW946-2M	4M		MON	1.8%	1.2*	DTL	2	8	0.0	5 0	30n%			32mt	800mΔ	0	75	4	G0492g	M105n
76	SW946-2P	4M		MON	1.8%	1.2*	DTL	2	8	0.0	5 0	30n%			32mt	800mΔ	0	75	4	G0492g	TO116
77	SW949-1P	4M		MON	1.8%	1.2*	DTL	2	7	0.0	5 0	20n%			48mt	1.0 Δ	-55	125	4	G0492g	TO116
78	SW949-2M	4M		MON	1.8%	1.2*	DTL	2	7	0.0	5 0	20n%			48mt	800mΔ	0	75	4	G0492g	M105n
79	SW949-2P	4M		MON	1 8%	1.2*	DTL	2	7	0.0	5.0	20n%			48mt	800mΔ	0	75	4	G0492g	TO116
80	SW961-1P	4M		MON	1.8%	1.2*	DTL	5Δ	7	0 0	5 0	20n%			24mt	1.0 Δ	-55	125	2	G0492	TO116
81	SW961-2M	4M		MON	1 8%	1 2*	DTL	5Δ	7	0.0	5.0	20n%			24mt	800mΔ	0	75	2	G0492	M105n
82	SW961-2P	4M		MON	1 8%	1.2*	DTL	5Δ	7	0 0	5 0	20n%			24mt	800mΔ	0	75	2	G0492	TO116
83	SW962-1P	4M		MON	1 8%	1.2*	DTL	3	8	0.0	5.0	30n%			24mt	1.0 Δ	-55	125	3	G0492b	TO116
84	SW962-2M	4M		MON	1.8%	1.2*	DTL	3	8	0 0	5.0	30n%			24mt	800mΔ	0	75	3	G0492b	M105n
85	SW962-2P	4M		MON	1.8%	1 2*	DTL	3	8	0 0	5.0	30n%			24mt	800mΔ	0	75	3	G0492b	TO116
86	SW963-1P	4M		MON	1.8%	1 2*	DTL	3	7	0.0	5.0	20n%			36mt	1.0 Δ	-55	125	3	G0492b	TO116
87	SW963-2M	4M		MON	1 8%	1.2*	DTL	3	7	0.0	5.0	20n%			36mt	800mΔ	0	75	3	G0492b	M105n
88	SW963-2P	4M		MON	1 8%	1.2*	DTL	3	7	0 0	5.0	20n%			36mt	800mΔ	0	75	3	G0492b	TO116
89#	9930-9-7A	4M		MON	1 9%	1.1*	DTL	5Δ	10	0.0	50	100nΔ			17mt	1.0	0	75	2	G0427a	M105e
90#	9932-9-7A	4M		MON	1.9%	1 1*	DTL	5Δ	10	0 0	50	100nΔ			17mt	1 0	0	75	2	G04218	M105e
91	9932DM	4M		MON	1 9%	1.1*	DTL	5Δ		0 0	5 0	80nΔ			17mt	1 0 Δ	-55	125	2	G04218	M157
92	9932FM	4M		MON	1.9%	1.1*	DTL	5Δ		0.0	5.0	80nΔ			17mt	1.0 Δ	-55	125	2	G04218	FP28c
93#	9944-9-7A	4M		MON	1.9%	1 1*	DTL	5Δ	10	0 0	5 0					1 0	0	75	2	G04218a	M105e
94	9944DM	4M		MON	1 9%	1 1*	DTL	5Δ		0.0	5 0	50nΔ			17mt	1 0 Δ	-55	125	2	G04218a	M157
95	9944FM	4M		MON	1.9%	1.1*	DTL	5Δ		0 0	5 0	50nΔ			17mt	1.0 Δ	-55	125	2	G04218a	FP28c
96#	9946-9-7A	4M		MON	1 9%	1.1*	DTL	2	10	0 0	50	100nΔ			34mt	1.0	0	75	4	G0427	M105e
97	9949DM	4M		MON	1.9%	1.1*	DTL	2		0.0	5.0	50nΔ			34mt	1.0 Δ	-55	125	4	G0492a	M157
98	9949FM	4M		MON	1.9%	1.1*	DTL	2		0.0	5.0	50nΔ			34mt	1 0 Δ	-55	125	4	G0492a	FP28c
99	9961DM	4M		MON	1.9%	1 1*	DTL	5Δ		0.0	5 0	50nΔ			17mt	1 0 Δ	-55	125	2	G0492	M157
100	9961FM	4M		MON	1 9%	1.1*	DTL	5Δ		0.0	5 0	50nΔ			17mt	1.0 Δ	-55	125	2	G0492	FP28c
101#	9962-9-7A	4M		MON	1.9%	1.1*	DTL	3	10	0.0	50	100nΔ			25mt	1 0	0	75	3	G0492b	M105e
102	9963DM	4M		MON	1.9%	1 1*	DTL	3		0 0	5.0	50nΔ			25mt	1 0 Δ	-55	125	3	G0492b	M157
103	9963FM	4M		MON	1 9%	1 1*	DTL	3		0.0	5 0	50nΔ			25mt	1 0 Δ	-55	125	3	G0492b	FP28c
104#	M5930P	4M		MON	1.9%	1.1*	DTL	5Δ	8	0 0	8 0	25n%			8.5mt	1.0 Δ	0	75	2	G0492	M105j
105#	M5932P	4M		MON	1.9%	1.1*	DTL	5Δ	25	0.0	8.0	35n%			26mt	1.0 Δ	0	75	2	G04207a	M105j
106#	M5944P	4M		MON	1 9%	1 1*	DTL	5Δ	27	0.0	8 0	40n%			20mt	1.0 Δ	0	75	2	G04154	M105j
107#	M5946P	4M		MON	1 9%	1 1*	DTL	2	8	0.0	8.0	25n%			8 5mt	1.0 Δ	0	75	4	G0492a	M105j
108#	M5949P	4M		MON	1.9%	1 1*	DTL	2	7	0.0	8.0	20n%			12mt	1.0 Δ	0	75	4	G0492a	M105j
109#	M5961P	4M		MON	1.9%	1 1*	DTL	5Δ	7	0.0	8.0	20n%			12mt	1 0 Δ	0	75	2	G0492	M105j

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1#	M5962P	4M		MON	1 9%	1.1*	DTL	3	8	0.0	8.0	25n%			8.5mt	1.0 Δ	0	75	3	G0492b	M105j
2#	M5963P	4M		MON	1 9%	1.1*	DTL	3	7	0.0	8.0	20n%			12mt	1.0 Δ	0	75	3	G0492b	M105j
3#	FCH231	4M		MON	2.0%	.80*	DTL	5Δ	10	0	5	93n	18n	8.0n	11m	1.2	0	70	2	G0470b	TO116
4	D4004	4M	5 0M	PCB	2 0%	95*	DTL	2	8	0	5	90nΔ			250m	1.0 Δ	0	75	16		
5	D4005	4M	5 0M	PCB	2.0%	.95*	DTL	5Δ	25	0	5	80nΔ			475m	1.0 Δ	0	75	8		
6	D4006	4M	5 0M	PCB	2.0%	.95*	DTL	5Δ	25	0	5	50nΔ			400m	1 0 Δ	0	75	8		
7	D4007	4M	5.0M	PCB	2 0%	.95*	DTL	5Δ	8	0	5	70nΔ			240m	1.0 Δ	0	75	8		
8	D4008	4M	5.0M	PCB	2.0%	.95*	DTL	3	8	0	5	90nΔ			300m	1.0 Δ	0	75	12		
9	D4011	4M	5.0M	PCB	2.0%	95*	DTL	2†	8	0	5	90nΔ			240m	1.0 Δ	0	75	18		
10	D4012	4M	5.0M	PCB	2 0%	.95*	DTL	5†	8	0.0	5.0	65nΔ			350mΔ	1.0 Δ	0	75	10		
11	RC6178T	4M		MON	2.0%	1.0*	DTL	3†	11	0	6 0	48n			33mt	550m	0	75	3	G0469d	TO101
12	RC6179T	4M		MON	2.0%	1.0*	DTL	3†	11	0	6.0	48n			33mt	550m	0	75	3	G0469d	TO101
13	RC6180T	4M		MON	2.0%	1.0*	DTL	2†	11	0	6 0	48n			44mt	550m	0	75	4	G0464f	TO101
14	RC6181T	4M		MON	2.0%	1.0*	DTL	2†	11	0	6.0	48n			44mt	550m	0	75	4	G0464f	TO101
15	RC6184T	4M		MON	2.0%	1.0*	DTL	3†	11	0	6 0	48n			33mt	550m	0	75	3	G0469e	TO101
16	RC6185T	4M		MON	2 0%	1.0*	DTL	3†	11	0	6.0	48n			33mt	550m	0	75	3	G0469e	TO101
17	RM201D	4M		MON	2.0%	1.0*	DTL	3	11	0	6 0	40n			22mt	550m	-55	125	2		M105k
18	RM201G	4M		MON	2.0%	1.0*	DTL	3	11	0	6.0	40n			22mt	550m	-55	125	2	G0428	TO84
19	RM201T	4M		MON	2 0%	1.0*	DTL	3	11	0	6.0	40n			22mt	550m	-55	125	2	G0428	TO101
20	RM204D	4M		MON	2.0%	1.0*	DTL	5Δ	11	0	6.0	57n			11mt	550m	-55	125	1		M105k
21	RM204G	4M		MON	2.0%	1.0*	DTL	5Δ	11	0	6 0	57n			11mt	550m	-55	125	1	G0428e	TO84
22	RM204T	4M		MON	2 0%	1.0*	DTL	5Δ	11	0	6 0	57n			11mt	550m	-55	125	1	G0428e	TO101
23	RM206D	4M		MON	2.0%	1.0*	DTL	3†	11	0	6.0	48n			33mt	550m	-55	125	3		M105k
24	RM206G	4M		MON	2 0%	1 0*	DTL	3†	11	0	6.0	48n			33mt	550m	-55	125	3	G0428k	TO84
25	RM211D	4M		MON	2.0%	1.0*	DTL	4	11	0	6.0	40n			22mt	550m	-55	125	2		M105k
26	RM211G	4M		MON	2 0%	1.0*	DTL	4	11	0	6 0	40n			22mt	550m	-55	125	2	G0428a	TO84
27	RM211T	4M		MON	2 0%	1.0*	DTL	4	11	0	6.0	40n			22mt	550m	-55	125	2	G0428a	TO101
28	RM214D	4M		MON	2.0%	1 0*	DTL	7Δ	11	0	6 0	57n			11mt	550m	-55	125	1		M105k
29	RM214G	4M		MON	2 0%	1.00*	DTL	7Δ	11	0	6 0	57n			11mt	550m	-55	125	1	G0428m	TO84
30	RM214T	4M		MON	2 0%	1.0*	DTL	7Δ	11	0	6.0	57n			11mt	550m	-55	125	1	G0428f	TO101
31	RM216D	4M		MON	2 0%	1.0*	DTL	3	11	0	6 0	48n			33mt	550m	-55	125	3		M105k
32	RM216G	4M		MON	2 0%	1 0*	DTL	3	11	0	6 0	48n			33mt	550m	-55	125	3	G0428j	TO84
33	RM221D	4M		MON	2.0%	1.0*	DTL	4Δ	11	0	6 0	40n			22mt	550m	-55	125	2		M105k
34	RM221G	4M		MON	2 0%	1 0*	DTL	4Δ	11	0	6 0	40n			22mt	550m	-55	125	2	G0428b	TO84
35	RM221T	4M		MON	2.0%	1.0*	DTL	4Δ	11	0	6 0	40n			22mt	550m	-55	125	2	G0428b	TO101
36	RM224D	4M		MON	2.0%	1 0*	DTL	9Δ	11	0	6.0	57n			11mt	550m	-55	125	1		M105k
37	RM224G	4M		MON	2.0%	1 0*	DTL	10Δ	11	0	6 0	57n			11mt	550m	-55	125	1	G0428h	TO84
38	RM224T	4M		MON	2.0%	1.0*	DTL	9Δ	11	0	6.0	57n			11mt	550m	-55	125	1	G0428g	TO101
39	RM226D	4M		MON	2.0%	1.0*	DTL	3Δ	11	0	6.0	48n			60mt	550m	-55	125	3		M105k
40	RM226G	4M		MON	2.0%	1.0*	DTL	3Δ	11	0	6.0	48n			60mt	550m	-55	125	3	G0464b	TO84
41	RM231D	4M		MON	2 0%	1 0*	DTL	5Δ	11	0	6.0	40n			22mt	550m	-55	125	2		M105k
42	RM231G	4M		MON	2.0%	1 0*	DTL	5Δ	11	0	6.0	40n			22mt	550m	-55	125	2	G0428c	TO84
43	RM231T	4M		MON	2 0%	1.0*	DTL	5Δ	11	0	6.0	40n			22mt	550m	-55	125	2		TO101
44	RM234D	4M		MON	2 0%	1.0*	DTL	10Δ	11	0	6 0	57n			20mt	550m	-55	125	1		M105k
45	RM234G	4M		MON	2.0%	1.0*	DTL	10Δ	11	0	6.0	57n			20mt	550m	-55	125	1	G0469c	TO84
46	RM234T	4M		MON	2.0%	1.0*	DTL	10Δ	11	0	6 0	57n			20mt	550m	-55	125	1	G0469f	TO101
47	RM236D	4M		MON	2.0%	1 0*	DTL	3	11	0	6.0	48n			60mt	550m	-55	125	3		M105k
48	RM236G	4M		MON	2 0%	1.0*	DTL	3	11	0	6.0	48n			60mt	550m	-55	125	3	G0464g	TO84
49	RM241D	4M		MON	2.0%	1.0*	DTL	4	11	0	6.0	40n			40mt	550m	-55	125	2		M105k
50	RM241G	4M		MON	2.0%	1.0*	DTL	4	11	0	6.0	40n			40mt	550m	-55	125	2	G0464c	TO84
51	RM241T	4M		MON	2.0%	1.0*	DTL	4	11	0	6.0	40n			40mt	550m	-55	125	2	G0464h	TO101
52	RM246D	4M		MON	2.0%	1.0*	DTL	2	11	0	6 0	48n			44mt	550m	-55	125	4		M105k
53	RM246G	4M		MON	2.0%	1 0*	DTL	2	11	0	6.0	48n			44mt	550m	-55	125	4	G0467a	TO84
54	RM261D	4M		MON	2.0%	1.0*	DTL	5Δ	11	0	6.0	40n			40mt	550m	-55	125	2		M105k
55	RM261G	4M		MON	2.0%	1 0*	DTL	5Δ	11	0	6.0	40n			40mt	550m	-55	125	2	G0464d	TO84
56	RM266D	4M		MON	2.0%	1 0*	DTL	2	11	0	6 0	48n			44mt	550m	-55	125	4		M105k
57	RM266G	4M		MON	2.0%	1.0*	DTL	2	11	0	6.0	48n			44mt	550m	-55	125	4	G0467a	TO84
58	RM930J	4M		MON	2 0%	1 0*	DTL	5Δ	8	0	5 0	30n			17mt	500m	-55	125	2	G0427a	FP28
59	RM930T	4M		MON	2.0%	1.0*	DTL	3†	8	0	5.0	30n			17mt	500m	-55	125	2	G0427p	TO100
60	RM932J	4M		MON	2.0%	1.0*	DTL	5Δ	25	0	5 0	35n			56mt	500m	-55	125	2		FP28
61	RM932T	4M		MON	2.0%	1 0*	DTL	5Δ	25	0	5.0	35n			56mt	500m	-55	125	2		TO101
62	RM944D	4M		MON	2.0%	1 0*	DTL	5Δ	25	0	5.0	30n			44mt	500m	-55	125	2		M105m
63	RM944J	4M		MON	2.0%	1.0*	DTL	5Δ	25	0	5.0	30n			44mt	500m	-55	125	2		FP28
64	RM944T	4M		MON	2.0%	1 0*	DTL	3†	25	0	5 0	30n			44mt	500m	-55	125	2		TO101
65	RM946D	4M		MON	2.0%	1.0*	DTL	2	8	0	5	30n			36mt	500m	-55	125	4		M105m
66	RM946J	4M		MON	2.0%	1 0*	DTL	2	8	0	5	30n			36mt	500m	-55	125	4		FP28
67	RM946T	4M		MON	2.0%	1.0*	DTL	2	8	0	5	30n			36mt	500m	-55	125	4		TO101
68	RM949D	4M		MON	2.0%	1.0*	DTL	2	7	0	5	25n			36mt	500m	-55	125	4		M105m
69	RM949J	4M		MON	2.0%	1.0*	DTL	2	7	0	5	25n			36mt	500m	-55	125	4		FP28
70	RM949T	4M		MON	2.0%	1.0*	DTL	2	7	0	5	25n			36mt	500m	-55	125	4		TO101
71	RM961D	4M		MON	2 0%	1.0*	DTL	5Δ	7	0	5.0	25n			17mt	500m	-55	125	2	G0427a	M105m
72	RM961J	4M		MON	2.0%	1 0*	DTL	5Δ	7	0	5 0	25n			17mt	500m	-55	125	2	G0427a	FP28
73	RM961T	4M		MON	2 0%	1 0*	DTL	3†	7	0	5.0	25n			17mt	500m	-55	125	2	G0427p	TO100
74	RM962D	4M		MON	2.0%	1.0*	DTL	3	8	0	5	30n			24mt	500m	-55	125	3		M105m
75	RM962J	4M		MON	2.0%	1.0*	DTL	3	8	0	5	30n			24mt	500m	-55	125	3		FP28
76	RM962T	4M		MON	2.0%	1.0*	DTL	3	8	0	5	30n			24mt	500m	-55	125	3		TO101
77	RM963D	4M		MON	2.0%	1 0*	DTL	3	7	0	5.0	25n			21mt	500m	-55	125	3		M105m
78	RM963J	4M		MON	2.0%	1.0*	DTL	3	7	0	5 0	25n			21mt	500m	-55	125	3		FP28
79	RM963T	4M		MON	2.0%	1.0*	DTL	3	7	0	5 0	25n			21mt	500m	-55	125	3		TO101
80	RM6178T	4M		MON	2.0%	1 0*	DTL	3†	11	0	6.0	48n			33mt	550m	-55	125	3	G0469d	TO101
81	RM6179T	4M		MON	2 0%	1.0*	DTL	3†	11	0	6.0	48n			33mt	550m	-55	125	3	G0469d	TO101
82	RM6180T	4M		MON	2 0%	1 0*	DTL	2†	11	0	6.0	48n			44mt	550m	-55	125	4	G0464f	TO101
83	RM6181T	4M		MON	2 0%	1 0*	DTL	2†	11	0	6.0	48n			44mt	550m	-55	125	4	G0464f	TO101
84	RM6184T	4M		MON	2.0%	1 0*	DTL	3†	11	0	6.0	48n			33mt	550m	-55	125	3	G0469e	TO101
85	RM6185T	4M		MON	2.0%	1 0*	DTL	3†	11	0	6.0	48n			33mt	550m	-55	125	3	G0469e	TO101
86	SN5330	4M		MON	2 5%	30*	DTL	3	10	0	7	25n	45n	40n	24mt		-55	125	2	G04200e	TO89
87	SN5331	4M		MON	2.5%	.30*	DTL	3	10	0	7	25n	45n	40n	36mt		-55	125	3	G04200a	TO84
88	SN5360	4M		MON	2 5%	30*	DTL	2	10	0	7	25n	45n	40n	48mt		-55	125	4	G04200b	TO84
89	9930DM	4M		MON	2 6%	40†*	DTL	5Δ	8	0.0	5 0	80nΔ			32m		-55	125	2	G041e	M157
90	9930FM	4M		MON	2.6%	40†*	DTL	5Δ	8	0 0	5.0	80nΔ			32m		-55	125	2	G041e	FP28b
91	9930HM	4M		MON	2 6%	40†*	DTL	5Δ	27	0.0	8.0	36n			17m	1.0	-55	125	2	G041e	FP28
92	9932HM	4M		MON	2.6%	40†*	DTL	5Δ	8	0.0	8 0	36nΔ			17m	1.0	-55	125	2	G04218	TO100
93	9944HM	4M		MON	2 6%	.40†*	DTL	5Δ	27	0.0	8.0	36n			17m	1.0	-55	125	2	G04218a	TO100
94	9946DM	4M		MON	2 6%	.40†*	DTL	2	8	0.0	5 0	80nΔ			62m		-55	125	4	G0427	M157
95	9946FM	4M		MON	2.6%	40†*	DTL	2	8	0.0	5.0	80nΔ			62m		-55	125	4	G0427	FP28b
96	9949DC	4M		MON	2.6%	40†*	DTL	2	7	0 0	8.0	36n			36m	1.0	0	75	4	G0492a	TO116
97	9961DC	4M		MON	2.6%	.40†*	DTL	5Δ	7	0.0	8.0	36n			17m	1.0	0	75	2	G0492	TO116
98	9962DM	4M		MON	2.6%	40†*	DTL	3	8	0.0	5.0	80nΔ			48m		-55	125	3	G0492b	M157
99	9962FM	4M		MON	2 6%	40†*	DTL	3	8	0 0	5.0	80nΔ			48m		-55	125	3	G0492b	FP28b
100	SN15930	4M		MON	2.6%	40†*	DTL	5Δ	8	0 0	8.0	80nΔ			10m		-55	125	2	G04217	TO84
101	SN15944	4M		MON	2 6%	.40†*	DTL	5Δ	27	0.0	8.0	50nΔ			10m		-55	125	2	G04218a	TO84
102	SN15946	4M		MON	2.6%	40†*	DTL	2	8	0.0	8.0	80nΔ			20m		-55	125	4	G04217a	TO84
103#	9930-9-3I	4M		MON	2 6%	45†*	DTL	5Δ	8	0 0	5.0	80nΔ			40m		0	75	2	G041e	FP28b
104#	9930-9-6A	4M		MON	2 6%	.45†*	DTL	5Δ	8	0.0	5.0	80nΔ			40m		0	75	2	G041e	M157
105#	9932-9-3I	4M		MON	2.6%	.45†*	DTL	5Δ	25	0.0	5.0	80nΔ			150m		0	75	2	G04218	FP28b
106#	9932-9-6A	4M		MON	2 6%	.45†*	DTL	5Δ	25	0.0	5.0	80nΔ			150m		0	75	2	G04218	M157
107#	9946-9-3I	4M		MON	2.6%	45†*	DTL	2	8	0.0	5 0	80nΔ			80m		0	75	4	G0427	FP28b
108#	9946-9-6A	4M		MON	2.6%	.45†*	DTL	2	8	0.0	5.0	80nΔ			80m		0	75	4	G0427	M157
109#	9962-9-3I	4M		MON	2.6%	.45†*	DTL	3	8	0 0	5.0	80nΔ			60m		0	75	3	G0492b	FP28b
110#	9962-9-6A	4M		MON	2.6%	45†*	DTL	3	8	0.0	5 0	80nΔ			60m		0	75	3	G0492b	M157

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	2 TYPE	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	SFC930E	4M		MON	2.6%	45†*	DTL	5Δ	8	0.0	5.0	80nΔ			40m		0	75	2	G041e	M126
2	SFC932E	4M		MON	2.6%	.45†*	DTL	5Δ	25	0.0	5 0	80nΔ			150m		0	75	2	G04218	M126
3	SFC946E	4M		MON	2.6%	.45†*	DTL	2	8	0 0	5.0	80nΔ			80m		0	75	4	G0427	M126
4	SFC962E	4M		MON	2.6%	45†*	DTL	3	8	0.0	5.0	80nΔ			60m		0	75	3	G0492b	M126
5	SN15830	4M		MON	2.6%	.45*†	DTL	4Δ	8	0	8	80nΔ			10mt		0	75	2	G04217	T084
6	SN15830N	4M		MON	2.6†	.45	DTL	4Δ	8	0	8	80nΔ			10mt		0	75	2	G04217	M126
7	SN15832	4M		MON	2.6%	.45*†	DTL	5Δ	25	0	8	80nΔ			10mt		0	75	2	G04218	T084
8	SN15846	4M		MON	2.6%	.45*†	DTL	2	8	0	8	80nΔ			20mt		0	75	4	G04217a	T084
9	SN15846N	4M		MON	2.6%	.45*†	DTL	2	8	0	8	80nΔ			20mt		0	75	4	G04217a	M75a
10	SN15862	4M		MON	2.6%	.45*†	DTL	3	8	0	8	80nΔ			15mt		0	75	3	G04217b	T084
11	SN15862N	4M		MON	2.6%	.45*†	DTL	3	8	0	8	80nΔ			15mt		0	75	3	G04217b	M75a
12	SN15932	4M		MON	2.6%	.45*†	DTL	5Δ	25	0	8	80nΔ			10m		-55	125	1	G04218	T084
13	SN533	4M		MON	2 7	.30	DTL	3	10	0	8	25n	45n	40n	24m	200m	-55	125	2	G04200c	ZB5
14	SN5310	4M		MON	2.7%	.3*†	DTL	6Δ	10	0	7	30n	50n	40n	12mt		-55	125	1	G04200d	T089
15	SN5311	4M		MON	2.7%	.3*†	DTL	5	10	0	7	25n	45n	40n	24m		-55	125	2	G04200	T084
16	SN7310	4M		MON	4.0*	.40*	DTL	6Δ	10	0.0	7.0	35n	50n	40n	12m		0	70	1	G04200d	T091
17	SN7311	4M		MON	4.0*	.40*	DTL	5	10	0	7	20n	45n	40n	24m		0	70	2	G04200	T084
18	SN7315	4M		MON	4.0*	.40*	DTL	11Δ	10	0	7	35n	50n	40n	12m	1.0	0	70	1		T084
19	SN7330	4M		MON	4.0*	.40*	DTL	3	10	0	7	20n	45n	40n	24m		0	70	2	G04200e	T089
20	SN7331	4M		MON	4.0*	40*	DTL	3	10	0	7	20n	45n	40n	36m		0	70	3	G04200a	T084
21	SN7360	4M		MON	4.0*	.40*	DTL	2	10	0	7	20n%	45n	40n	48m		0	70	4	G04200b	T084
22	SN15844	4M		MON	6.0%	.45*†	DTL	5Δ	27	0	8	50nΔ			10mt		0	75	2	G04218a	T084
23	SN15844N	4M		MON	6.0%	.45*†	DTL	5Δ	27	0	8	50nΔ			10mt		0	75	2	G04218a	M75a
24	R111	4M	4.0M	PCB	-3.0	0.0	DTL	3Δ	20	15	10		60n	50n	273m	800m	-20	65	3	G04123	CB31
25	SN512B	4M		MON	.30*	2.5%	RCT	6	5	0	8	80n	80n	1.4u	8.0mt	200m	-55	125	1	G04341	FP22
26	SN514B	4M		MON	.30*	2.5%	RCT	3	5	0	8	60n	70n	1.0u	8.0mt	200m	-55	125	2	G04193b	FP22
27	SNR512	4M		MON	.30*	2.5%	RCT	6	5	0	8	80n	80n	1.4u	8.0mt	200m	-55	125	1	G04341	FP22
28	SNR514	4M		MON	.30*	2.5%	RCT	3	5	0.0	8.0	60n	70n	1.0u	8.0mΔ	200m	-55	125	1	G04193b	FP22
29#	9907-1-5B	4M		MON			RTL	4	5	0.0	3.0				19mt		-55	125	1	G0367	T099
30#	9915-1-5B	4M		MON			RTL	3	10	0.0	3.0				38mt		-55	125	2	G0392	T0100
31	MC728F	4M		MON	.90	.10	RTL	5	4	0	4	27n			7.5mt		15	55	1	G03187	T091
32	MC728G	4M		MON	.90	.10	RTL	5	4	0	4	27n			7.5mt		15	55	1	G03187	T099
33#	T102D2-14	4M		MON	1.7%	.90*	TTL	2	10	0.0	5 0	12nΔ			44mt	400m	-55	125	4	G03250a	M105e
34#	T102F2	4M		MON	1.7%	.90*	TTL	2	10	0.0	5.0	12nΔ			44mt	400m	-55	125	4	G03250a	FP28c
35#	T104D2-14	4M		MON	1.7%	.90*	TTL	4	10	0.0	5 0	12nΔ			22mt	400m	-55	125	2	G03250	M105e
36#	T104F2	4M		MON	1.7%	90*	TTL	4	10	0.0	5.0	12nΔ			22mt	400m	-55	125	2	G03250	FP28c
37#	T107D2-14	4M		MON	1 7%	.90*	TTL	8	10	0 0	5 0	12nΔ			11mt	400m	-55	125	1	G03250c	M105e
38#	T107F2	4M		MON	1.7%	.90*	TTL	8	10	0.0	5.0	12nΔ			11mt	400m	-55	125	1	G03250c	FP28c
39#	T112D2-14	4M		MON	1.7%	.90*	TTL	2	44	0.0	5.0	6.0n			44mt		-55	125	4		M105e
40#	T112F2	4M		MON	1.7%	.90*	TTL	2	44	0.0	5.0	6.0n			44mt		-55	125	4		FP28c
41	TG220F	4M		MON	1.7%	1.1*	TTL	2	15	0.0	7.0				88mt	1.0 Δ	-55	125	4	G043z	FP21c
42	TG220J	4M		MON	1.7%	1.1*	TTL	2	15	0.0	7.0				88mt	1.0 Δ	-55	125	4	G043z	TO116
43	TG221F	4M		MON	1.7%	1.1*	TTL	2	7	0.0	7.0				88mt	1.0 Δ	-55	125	4	G043z	FP21c
44	TG221J	4M		MON	1.7%	1.1*	TTL	2	7	0.0	7 0				88mt	1.0 Δ	-55	125	4	G043z	TO116
45	TG222F	4M		MON	1.7%	1.1*	TTL	2	15	0.0	7.0				88mt	1.0 Δ	0	75	4	G043z	FP21c
46	TG222J	4M		MON	1.7%	1 1*	TTL	2	15	0.0	7.0				88mt	1.0 Δ	0	75	4	G043z	TO116
47	TG223F	4M		MON	1.7%	1.1*	TTL	2	7	0.0	7.0				88mt	1.0 Δ	0	75	4	G043z	FP21c
48	TG223J	4M		MON	1.7%	1.1*	TTL	2	7	0.0	7.0				88mt	1.0 Δ	0	75	4	G043z	TO116
49	TG240F	4M		MON	1.7%	1.1*	TTL	4	15	0.0	7.0				44mt	1.0 Δ	-55	125	2	G043x	FP21c
50	TG240J	4M		MON	1 7%	1.1*	TTL	4	15	0.0	7.0				44mt		-55	125	2	G043x	FP21c
51	TG241F	4M		MON	1.7%	1.1*	TTL	4	7	0.0	7.0				44mt		-55	125	2	G043x	FP21c
52	TG241J	4M		MON	1.7%	1.1*	TTL	4	7	0.0	7.0				44mt		-55	125	2	G043x	FP21c
53	TG242F	4M		MON	1.7%	1.1*	TTL	4	15	0.0	7.0				44mt		0	75	2	G043x	FP21c
54	TG242J	4M		MON	1.7%	1.1*	TTL	4	15	0.0	7.0				44mt		0	75	2	G043x	FP21c
55	TG243F	4M		MON	1.7%	1.1*	TTL	4	7	0.0	7.0				44mt		0	75	2	G043x	FP21c
56	TG243J	4M		MON	1.7%	1.1*	TTL	4	7	0.0	7.0				44mt		0	75	2	G043x	FP21c
57	TG260F	4M		MON	1.7%	1.1*	TTL	8	15	0.0	7.0				22mt	1.0 Δ	-55	125	1	G043w	FP21c
58	TG260J	4M		MON	1.7%	1.1*	TTL	8	15	0 0	7.0				22mt	1.0 Δ	-55	125	1	G043w	TO116
59	TG261F	4M		MON	1.7%	1.1*	TTL	8	7	0.0	7.0				22mt	1.0 Δ	-55	125	1	G043w	FP21c
60	TG261J	4M		MON	1.7%	1.1*	TTL	8	7	0.0	7.0				22mt	1.0 Δ	-55	125	1	G043w	TO116
61	TG262F	4M		MON	1.7%	1 1*	TTL	8	15	0.0	7.0				22mt	1.0 Δ	0	75	1	G043w	FP21c
62	TG262J	4M		MON	1.7%	1 1*	TTL	8	15	0.0	7.0				22mt	1.0 Δ	0	75	1	G043w	TO116
63	TG263F	4M		MON	1.7%	1.1*	TTL	8	7	0 0	7 0				22mt	1 0 Δ	0	75	1	G043w	FP21c
64	TG263J	4M		MON	1.7%	1.1*	TTL	8	7	0.0	7.0				22mt	1.0 Δ	0	75	1	G043w	TO116
65#	T102B1-14	4M		MON	1.8%	.85*	TTL	2	10	0.0	5.0	15nΔ			44mt	400m	0	75	4	G03250a	M105e
66#	T102D1-14	4M		MON	1.8%	.85*	TTL	2	10	0.0	5.0	15nΔ			44mt	400m	0	75	4	G03250a	M105e
67#	T102F1	4M		MON	1.8%	.85*	TTL	2	10	0.0	5.0	15nΔ			44mt	400m	0	75	4	G03250a	FP28c
68#	T104B1-14	4M		MON	1.8%	.85*	TTL	4	10	0.0	5.0	15nΔ			22mt	400m	0	75	2	G03250	M105e
69#	T104D1-14	4M		MON	1.8%	.85*	TTL	4	10	0.0	5.0	15nΔ			22mt	400m	0	75	2	G03250	M105e
70#	T104F1	4M		MON	1.8%	.85*	TTL	4	10	0.0	5.0	15nΔ			22mt	400m	0	75	2	G03250	FP28c
71#	T105B1-14	4M		MON	1.8%	.85*	TTL	6Δ	10	0.0	5.0	18nΔ			22mt	400m	0	75	2	G03248	M105e
72#	T105D1-14	4M		MON	1.8%	.85*	TTL	6Δ	10	0.0	5 0	18nΔ			22mt	400m	0	75	2	G03248	M105e
73#	T105F1	4M		MON	1.8%	.85*	TTL	6Δ	10	0.0	5.0	18nΔ			22mt	400m	0	75	2	G03248	FP28c
74#	T107B1-14	4M		MON	1.8%	85*	TTL	8	10	0.0	5.0	15nΔ			11mt	400m	0	75	1	G03250c	M105e
75#	T107D1-14	4M		MON	1.8%	.85*	TTL	8	10	0.0	5.0	15mΔ			11mt	400m	0	75	1	G03250c	M105e
76#	T107F1	4M		MON	1.8%	.85*	TTL	8	10	0.0	5.0	15nΔ			11mt	400m	0	75	1	G03250c	FP28c
77#	T112B1-14	4M		MON	1.8%	.85*	TTL	2	40	0.0	5.0	6.0n			44mt		0	75	4		M105e
78#	T112D1	4M		MON	1.8%	.85*	TTL	2	40	0.0	5.0	6.0n			44mt		0	75	4		M126h
79#	T112F1	4M		MON	1.8%	.85*	TTL	2	40	0.0	5.0	6.0n			44mt		0	75	4		FP28c
80	I757	4M		PCB	2.0	.80	TTL	2	10	0.0	7.0	27n			520m		0	70	16		CBØ
81#	M53208P	4M		MON	2.0%	.80*	TTL	2	10	0.0	5.0	27nΔ			130m%		0	75	4	G04414	M105j
82#	M53209P	4M		MON	2.0%	80*	TTL	2	10	0.0	5 0	32nΔ			130m%		0	75	4	G04401	M105j
83♦	SN5408J	4M		MON	2.0%	.80*	TTL	2	10	0.0	5.0	27nΔ			130m%		-55	125	4	G04414	M157b
84	SN5408N	4M		MON	2.0%	80*	TTL	2	10	0.0	5.0	27nΔ			130m%		-55	125	4	G04414	M126a
85♦	SN5408W	4M		MON	2.0%	.80*	TTL	2	10	0.0	5.0	27nΔ			130m%		-55	125	4	G04414	Δ004AA
86	SN5409J	4M		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			130m%		-55	125	4	G04401	M157
87	SN5409N	4M		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			130m%		-55	125	4	G04401	M126a
88	SN5409S	4M		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			130m%		-55	125	4	G04401	T084
89▼	SN5409W	4M		MON	2.0%	.80*	TTL	2	10	0 0	5 0	32nΔ			130m%		-55	125	4	G04401	Δ004AA
90♦	SN5410W	4M		MON	2.0%	.80*	TTL	3	10	0.0	5.0	22n%			30mt	1.0 Δ	-55	125	3	G0414a	Δ004AA
91♦	SN5420J	4M		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			20mt	1.0 Δ	-55	125	2	G0414b	M157b
92♦	SN5420W	4M		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22n%			20mt	1.0 Δ	-55	125	2	G0414b	Δ004AA
93♦	SN7408J	4M		MON	2.0%	.80*	TTL	2	10	0.0	5.0	27nΔ			130m%		0	70	4	G04414	M157b
94♦	SN7408N	4M		MON	2 0%	.80*	TTL	2	10	0.0	5 0	27nΔ			130m%		0	70	4	G04414	M126e
95	SN7408W	4M		MON	2.0%	.80*	TTL	2	10	0.0	5.0	27nΔ			130m%		0	70	4	G04414	T084
96	SN7409J	4M		MON	2 0%	.80*	TTL	2	10	0.0	5.0	32nΔ			130m%		0	70	4	G04401	M157
97	SN7409N	4M		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			130m%		0	70	4	G04401	M126a
98	SN7409S	4M		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			130m%		0	70	4	G04401	T084
99♦	SN7420J	4M		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			20mt	1.0 Δ	0	70	2	G0414b	M157b
100	SN7440S	4M		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22n%			20mt	1.0 Δ	0	70	2	G0415	T084
101#	T7408B1	4M		MON	2.0%	.80	TTL	2	10	0.0	5.0	27nΔ			130m%		0	70	4	G04414	M126a
102#	T7409B1	4M		MON	2.0%	.80	TTL	2	10	0.0	5 0	32nΔ			130m%		0	70	4	G04401	M126a
103	TG40F	4M		MON	2.4%	.45*†	TTL	4	15	0.0	7 0	12n			30mt	450mΔ	-55	125	1	G0478b	FP21c
104	TG40J	4M		MON	2.4%	.45*†	TTL	4	15	0.0	7.0	12n			30mt	450mΔ	-55	125	1	G0478b	TO116
105	TG41F	4M		MON	2.4%	.45*†	TTL	4	7	0.0	7.0	12n			30mt	450mΔ	-55	125	1	G0478b	FP21c
106	TG41J	4M		MON	2.4%	.45*†	TTL	4	7	0.0	7 0	12n			30mt	450mΔ	-55	125	1	G0478b	TO116
107	TG42F	4M		MON	2.4%	.45*†	TTL	4	15	0.0	7.0	12n			30mt	450mΔ	0	75	1	G0478b	FP21c
108	TG42J	4M		MON	2.4%	45*†	TTL	4	15	0.0	7.0	12n			30mt	450mΔ	0	75	1	G0478b	TO116
109	TG43F	4M		MON	2.4%	.45*†	TTL	4	7	0.0	7.0	12n			30mt	450mΔ	0	75	2	G0478b	FP21c
110	TG43J	4M		MON	2 4%	.45*†	TTL	4	7	0.0	7 0	12n			30mt	450mΔ	0	75	2	G0478b	TO116

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	TG60F	4M		MON	2.4%	45*†	TTL	8	15	0.0	7.0	12n			15m†	450mΔ	-55	125	1	G0478	FP21c
2	TG60J	4M		MON	2.4%	45*†	TTL	8	15	0 0	7.0	12n			15m†	450mΔ	-55	125	1	G0478	TO116
3	TG61F	4M		MON	2.4%	45*†	TTL	8	7	0.0	7.0	12n			15m†	450mΔ	-55	125	1	G0478	FP21c
4	TG61J	4M		MON	2.4%	.45*†	TTL	8	7	0.0	7.0	12n			15m†	450mΔ	-55	125	1	G0478	TO116
5	TG62F	4M		MON	2.4%	.45*†	TTL	8	15	0.0	7.0	12n			15m†	450mΔ	0	75	1	G0478	FP21c
6	TG62J	4M		MON	2.4%	.45*†	TTL	8	15	0 0	7.0	12n			15m†	450mΔ	0	75	1	G0478	TO116
7	TG63F	4M		MON	2.4%	.45*†	TTL	8	7	0.0	7 0	12n			15m†	450mΔ	0	75	1	G0478	FP21c
8	TG63J	4M		MON	2.4%	.45*†	TTL	8	7	0.0	7 0	12n			15m†	450mΔ	0	75	1	G0478	TO116
9	TG120F	4M		MON	2.4%	45*†	TTL	8Δ	15	0.0	7.0	12n			15m†	450mΔ	-55	125	1	G0478a	FP21c
10	TG120J	4M		MON	2.4%	45*†	TTL	8Δ	15	0.0	7.0	12n			15m†	450mΔ	-55	125	1	G0478a	TO116
11	TG121F	4M		MON	2.4%	.45*†	TTL	8Δ	7	0.0	7.0	12n			15m†	450mΔ	-55	125	1	G0478a	FP21c
12	TG121J	4M		MON	2.4%	.45*†	TTL	8Δ	7	0.0	7.0	12n			15m†	450mΔ	-55	125	1	G0478a	TO116
13	TG122F	4M		MON	2.4%	.45*†	TTL	8Δ	15	0.0	7.0	12n			15m†	450mΔ	0	75	1	G0478a	FP21c
14	TG122J	4M		MON	2.4%	.45*†	TTL	8Δ	15	0.0	7.0	12n			15m†	450mΔ	0	75	1	G0478a	TO116
15	TG123F	4M		MON	2.4%	.45*†	TTL	8Δ	7	0.0	7.0	12n			15m†	450mΔ	0	75	1	G0478a	FP21c
16	TG123J	4M		MON	2.4%	.45*†	TTL	8Δ	7	0.0	7.0	12n			15m†	450mΔ	0	75	1	G0478a	TO116
17	TG140F	4M		MON	2.4%	45*†	TTL	2	15	0.0	7.0	12n			60m†	450mΔ	-55	125	4	G0478d	FP21c
18	TG140J	4M		MON	2.4%	.45*†	TTL	2	15	0.0	7.0	12n			60m†	450mΔ	-55	125	4	G0478d	TO116
19	TG141F	4M		MON	2.4%	45*†	TTL	2	7	0.0	7.0	12n			60m†	450mΔ	-55	125	4	G0478d	FP21c
20	TG141J	4M		MON	2.4%	.45*†	TTL	2	7	0.0	7.0	12n			60m†	450mΔ	-55	125	4	G0478d	TO116
21	TG142F	4M		MON	2.4%	.45*†	TTL	2	15	0.0	7 0	12n			60m†	450mΔ	0	75	4	G0478d	FP21c
22	TG142J	4M		MON	2.4%	.45*†	TTL	2	15	0.0	7 0	12n			60m†	450mΔ	0	75	4	G0478d	TO116
23	TG143F	4M		MON	2.4%	45*†	TTL	2	7	0.0	7.0	12n			60m†	450mΔ	0	75	4	G0478d	FP21c
24	TG143J	4M		MON	2.4%	.45*†	TTL	2	7	0.0	7.0	12n			60m†	450mΔ	0	75	4	G0478d	TO116
25	TG190F	4M		MON	2.4%	45*†	TTL	3	15	0 0	7 0	12n			45m†	450mΔ	-55	125	3	G0478q	FP21c
26	TG190J	4M		MON	2.4%	.45*†	TTL	3	15	0.0	7.0	12n			45m†	450mΔ	-55	125	3	G0478q	TO116
27	TG191F	4M		MON	2.4%	.45*†	TTL	3	7	0.0	7.0	12n			45m†	450mΔ	-55	125	3	G0478q	FP21c
28	TG191J	4M		MON	2.4%	45*†	TTL	3	7	0.0	7.0	12n			45m†	450mΔ	-55	125	3	G0478q	TO116
29	TG192F	4M		MON	2.4%	.45*†	TTL	3	15	0.0	7.0	12n			45m†	450mΔ	-55	125	3	G0478q	FP21c
30	TG192J	4M		MON	2.4%	.45*†	TTL	3	15	0.0	7.0	12n			45m†	450mΔ	-55	125	3	G0478q	TO116
31	TG193F	4M		MON	2.4%	.45*†	TTL	3	7	0 0	7.0	12n			45m†	450mΔ	0	75	3	G0478q	FP21c
32	TG193J	4M		MON	2.4%	.45*†	TTL	3	7	0.0	7.0	12n			45m†	450mΔ	0	75	3	G0478q	TO116
33	N8H16A	4M		MON	2.6%	.40*†	TTL	4	30	0	5	6.0n%		50n	46mΔ	600m	0	75	2	G0415h	TO116
34	N8H16F	4M		MON	2.6%	.40†*	TTL	4	30	0.0	5.0	6.0n%		50n	46mΔ	600m	0	75	2	G0415h	M157
35	N8H16J	4M		MON	2.6%	.40*†	TTL	4	30	0	5	6 0n%		50n	46mΔ	600m	0	75	2	G0415h	TO88
36	N8H70A	4M		MON	2.6%	.40*†	TTL	3	30	0	5	6.0n%		50n	46mΔ	600m	0	75	3	G0415c	TO116
37	N8H70J	4M		MON	2.6%	.40*†	TTL	3	30	0	5	6 0n%		50n	46mΔ	600m	0	75	3	G0415c	TO88
38	N8H80A	4M		MON	2 6%	40*†	TTL	2	30	0	5	6.0n%		50n	46mΔ	600m	0	75	4	G0415j	TO116
39	N8H80J	4M		MON	2.6%	.40*†	TTL	2	30	0	5	6.0n%		50n	46mΔ	600m	0	75	4	G0415j	TO88
40	N8855A	4M		MON	2 6%	40*†	TTL	4	60	0	5	15n%Δ		50n	57mΔ	600m	0	75	2	G0415k	TO116
41	N8855F	4M		MON	2.6%	40†*	TTL	4	60	0 0	5 0	15n%		50n	57mΔ	600m	0	75	2	G0415k	M157
42	N8855J	4M		MON	2.6%	.40*†	TTL	4	60	0	5	15n%Δ		50n	57mΔ	600m	0	75	2	G0415k	TO88
43	S8H16A	4M		MON	2.6%	40*†	TTL	4	30	0	5	6.0n%		50n	46mΔ	600m	-55	125	2	G0415h	TO116
44	S8H16F	4M		MON	2.6%	40†*	TTL	4	30	0.0	5.0	6 0n%		50n	46mΔ	600m	-55	125	2	G0415h	M157
45	S8H16J	4M		MON	2.6%	.40*†	TTL	4	30	0	5	6.0n%		50n	46mΔ	600m	-55	125	2	G0415h	TO88
46	S8H70A	4M		MON	2.6%	40*†	TTL	3	30	0	5	6.0n%		50n	46mΔ	600m	-55	125	3	G0415c	TO116
47	S8H70J	4M		MON	2.6%	.40*†	TTL	3	30	0	5	6.0n%		50n	46mΔ	600m	-55	125	3	G0415c	TO88
48	S8H80A	4M		MON	2.6%	.40*†	TTL	2	30	0	5	6.0n%		50n	46mΔ	600m	-55	125	4	G0415j	TO116
49	S8H80J	4M		MON	2.6%	40*†	TTL	2	30	0	5	6.0n%		50n	46mΔ	600m	-55	125	4	G0415j	TO88
50	S8855A	4M		MON	2.6%	40*†	TTL	4	60	0	5	15n%Δ		50n	57mΔ	600m	-55	125	2	G0415k	TO116
51	S8855F	4M		MON	2.6%	.40†*	TTL	4	60	0.0	5.0	15n%		50n	57mΔ	600m	-55	125	2	G0415k	M157
52	S8855J	4M		MON	2.6%	.40*†	TTL	4	60	0	5	15n%Δ		50n	57mΔ	600m	-55	125	2	G0415k	TO88
53	TG200F	4M		MON	2.8%	.45	TTL	9	15	0.0	5.0	10n%			20m	1.0	-55	125	1	G0478h	TO85
54	TG200J	4M		MON	2.8%	.45	TTL	9	15	0.0	5.0	10n%			20m	1.0	-55	125	1	G0478h	TO116
55	TG201F	4M		MON	2.8%	45	TTL	9	15	0 0	5.0	10n%			20m	1.0	-55	125	1	G0478h	TO85
56	TG201J	4M		MON	2.8%	.45	TTL	9	15	0.0	5.0	10n%			20m	1.0	-55	125	1	G0478h	TO116
57	TG202F	4M		MON	2.8%	.45	TTL	9	7	0.0	5.0	10n%			20m	1.0	0	75	1	G0478h	TO85
58	TG202J	4M		MON	2.8%	.45	TTL	9	7	0.0	5.0	10n%			20m	1.0	0	75	1	G0478h	TO116
59	TG203F	4M		MON	2.8%	.45	TTL	9	7	0.0	5.0	10n%			20m	1.0	0	75	1	G0478h	TO85
60	TG203J	4M		MON	2.8%	.45	TTL	9	7	0.0	5.0	10n%			20m	1.0	0	75	1	G0478h	TO116
61	TRWG220#1	4M		MON	3.3	.26	TTL	2	11	0.0	5.0	6.0n	2.5n	4.0n	88m	1.0	-55	125	4	G04240b	M157
62	TRWG220#2	4M		MON	3 3	.26	TTL	2	11	0.0	5.0	6.0n	2.5n	4.0n	88m	1.0	-55	125	4	G04240b	M126
63	TRWG240#1	4M		MON	3 3	.26	TTL	4	11	0.0	5.0	6.0n	2.5n	4.0n	44m	1.0	-55	125	2	G04240	M157
64	TRWG240#2	4M		MON	3 3	26	TTL	4	11	0 0	5 0	6.0n	2.5n	4.0n	44m	1.0	-55	125	2	G04240	M126
65	SNG40J	4M	20M	MON	3.3	.26	TTL	4	15†	0 0	5.0	10n	5.0n	8.0n	15m	900m	-55	125	2	G0471	M157b
66	SNG40W	4M	20M	MON	3.3	.26	TTL	4	15†	0.0	5.0	10n	5.0n	8.0n	15m	900m	-55	125	2	G0471	Δ004AF
67	SNG41J	4M	20M	MON	3.3	.26	TTL	4	7†	0.0	5.0	10n	5 0n	8 0n	15m	900m	-55	125	2	G0471	M157b
68	SNG41W	4M	20M	MON	3.3	.26	TTL	4	7†	0.0	5.0	10n	5.0n	8.0n	15m	900m	-55	125	2	G0471	Δ004AF
69	SNG42J	4M	20M	MON	3.3	.26	TTL	4	12†	0.0	5.0	10n	5.0n	8.0n	15m	900m	0	75	2	G0471	M157b
70	SNG42W	4M	20M	MON	3 3	.26	TTL	4	12†	0.0	5 0	10n	5.0n	8.0n	15m	900m	0	75	2	G0471	Δ004AF
71	SNG43J	4M	20M	MON	3.3	26	TTL	4	6†	0 0	5.0	10n	5.0n	8.0n	15m	900m	0	75	2	G0471	M157b
72	SNG43W	4M	20M	MON	3.3	.26	TTL	4	6†	0.0	5.0	10n	5.0n	8 0n	15m	900m	0	75	2	G0471	Δ004AF
73	SNG60J	4M	20M	MON	3.3	.26	TTL	8	15†	0.0	5.0	12n	5.0n	8.0n	15m	900m	-55	125	1	G04212g	M157b
74	SNG60W	4M	20M	MON	3.3	.26	TTL	8	15†	0.0	5 0	12n	5.0n	8.0n	15m	900m	-55	125	1	G04212g	Δ004AF
75	SNG61J	4M	20M	MON	3.3	.26	TTL	8	7†	0.0	5.0	12n	5.0n	8.0n	15m	900m	-55	125	1	G04212g	M157b
76	SNG61W	4M	20M	MON	3.3	.26	TTL	8	7†	0.0	5.0	12n	5.0n	8.0n	15m	900m	-55	125	1	G04212g	Δ004AF
77	SNG62J	4M	20M	MON	3.3	.26	TTL	8	12†	0.0	5.0	12n	5.0n	8.0n	15m	900m	0	75	1	G04212g	M157b
78	SNG62W	4M	20M	MON	3.3	.26	TTL	8	12†	0.0	5.0	12n	5.0n	8.0n	15m	900m	0	75	1	G04212g	Δ004AF
79	SNG63J	4M	20M	MON	3 3	.26	TTL	8	6†	0 0	5.0	12n	5.0n	8.0n	15m	900m	0	75	1	G04212g	M157b
80	SNG63W	4M	20M	MON	3.3	.26	TTL	8	6†	0.0	5.0	12n	5.0n	8.0n	15m	900m	0	75	1	G04212g	Δ004AF
81	SNG120J	4M	20M	MON	3.3	.26	TTL	9Δ	15†	0.0	5.0	18n	5.0n	8.0n	15m	900m	-55	125	1	G04212h	M157b
82	SNG120W	4M	20M	MON	3.3	.26	TTL	9Δ	15†	0.0	5.0	18n	5.0n	8 0n	15m	900m	-55	125	1	G04212h	Δ004AF
83	SNG121J	4M	20M	MON	3.3	.26	TTL	9Δ	7†	0.0	5.0	18n	5.0n	8.0n	15m	900m	-55	125	1	G04212h	M157b
84	SNG121W	4M	20M	MON	3.3	.26	TTL	9Δ	7†	0.0	5.0	18n	5.0n	8.0n	15m	900m	-55	125	1	G04212h	Δ004AF
85	SNG122J	4M	20M	MON	3.3	.26	TTL	9Δ	12†	0.0	5.0	18n	5.0n	8.0n	15m	900m	0	75	1	G04212h	M157b
86	SNG122W	4M	20M	MON	3.3	.26	TTL	9Δ	12†	0.0	5.0	18n	5.0n	8.0n	15m	900m	0	75	1	G04212h	Δ004AF
87	SNG123J	4M	20M	MON	3.3	.26	TTL	9Δ	6†	0.0	5.0	18n	5.0n	8.0n	15m	900m	0	75	1	G04212h	M157b
88	SNG123W	4M	20M	MON	3.3	.26	TTL	9Δ	6†	0.0	5.0	18n	5.0n	8.0n	15m	900m	0	75	1	G04212h	Δ004AF
89	SNG130J	4M	20M	MON	3.3	.26	TTL	4	30†	0.0	5.0	25n	30n	30n	30m	900m	-55	125	2	G04191	M157b
90	SNG130W	4M	20M	MON	3.3	.26	TTL	4	30†	0.0	5.0	25n	30n	30n	30m	900m	-55	125	2	G04191	Δ004AF
91	SNG131J	4M	20M	MON	3.3	.26	TTL	4	15†	0.0	5.0	25n	30n	30n	30m	900m	-55	125	2	G04191	M157b
92	SNG131W	4M	20M	MON	3.3	.26	TTL	4	15†	0.0	5.0	25n	30n	30n	30m	900m	-55	125	2	G04191	Δ004AF
93	SNG132J	4M	20M	MON	3.3	.26	TTL	4	24†	0.0	5.0	25n	30n	30n	30m	900m	0	75	2	G04191	M157b
94	SNG132W	4M	20M	MON	3.3	.26	TTL	4	24†	0.0	5 0	25n	30n	30n	30m	900m	0	75	2	G04191	Δ004AF
95	SNG133J	4M	20M	MON	3.3	.26	TTL	4	12†	0.0	5.0	25n	30n	30n	30m	900m	0	75	2	G04191	M157b
96	SNG133W	4M	20M	MON	3.3	.26	TTL	4	12†	0.0	5.0	25n	30n	30n	30m	900m	0	75	2	G04191	Δ004AF
97	SNG140J	4M	20M	MON	3.3	.26	TTL	2	15†	0.0	5.0	10n	5.0n	8.0n	15m	900m	-55	125	4	G04212f	M157b
98	SNG140W	4M	20M	MON	3 3	26	TTL	2	15†	0.0	5.0	10n	5.0n	8.0n	15m	900m	-55	125	4	G04212f	Δ004AF
99	SNG141J	4M	20M	MON	3.3	.26	TTL	2	7†	0.0	5.0	10n	5.0n	8.0n	15m	900m	-55	125	4	G04212f	M157b
100	SNG141W	4M	20M	MON	3.3	26	TTL	2	7†	0.0	5.0	10n	5.0n	8.0n	15m	900m	-55	125	4	G04212f	Δ004AF
101	SNG142J	4M	20M	MON	3.3	.26	TTL	2	12†	0.0	5.0	10n	5.0n	8.0n	15m	900m	0	75	4	G04212f	M157b
102	SNG142W	4M	20M	MON	3.3	.26	TTL	2	12†	0.0	5.0	10n	5.0n	8.0n	15m	900m	0	75	4	G04212f	Δ004AF
103	SNG143J	4M	20M	MON	3.3	.26	TTL	2	6†	0 0	5.0	10n	5.0n	8.0n	15m	900m	0	75	4	G04212f	M157b
104	SNG143W	4M	20M	MON	3.3	.26	TTL	2	6†	0.0	5.0	10n	5.0n	8.0n	15m	900m	0	75	4	G04212f	Δ004AF
105	SNG190J	4M	20M	MON	3.3	.26	TTL	3	15†	0 0	5.0	10n	5.0n	8.0n	45m	900m	-55	125	3	G04212e	M157b
106	SNG190W	4M	20M	MON	3.3	.26	TTL	3	15†	0.0	5.0	10n	5.0n	8.0n	45m	900m	-55	125	3	G04212e	Δ004AF
107	SNG191J	4M	20M	MON	3.3	.26	TTL	3	7†	0.0	5.0	10n	5.0n	8.0n	45m	900m	-55	125	3	G04212e	M157b
108	SNG191W	4M	20M	MON	3.3	26	TTL	3	7†	0.0	5.0	10n	5.0n	8.0n	45m	900m	-55	125	3	G04212e	Δ004AF
109	SNG192J	4M	20M	MON	3.3	.26	TTL	3	12†	0.0	5.0	10n	5.0n	8.0n	45m	900m	0	75	3	G04212e	M157b
110	SNG192W	4M	20M	MON	3.3	.26	TTL	3	12†	0.0	5.0	10n	5.0n	8.0n	45m	900m	0	75	3	G04212e	Δ004AF

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	SNG193J	4M	20M	MON	3.3	.26	TTL	3	6†	0.0	5.0	10n	5.0n	8.0n	45m	900m	0	75	3	G04212e	M157b
2	SNG193W	4M	20M	MON	3 3	.26	TTL	3	6†	0.0	5 0	10n	5.0n	8.0n	45m	900m	0	75	3	G04212e	Δ004AF
3	TRWG40#1	4M	20M	MON	3.3	.26	TTL	4	15†	0.0	5 0	10n	5.0n	8.0n	15m	900m	-55	125	2	G0471	M157
4	TRWG40#2	4M	20M	MON	3.3	.26	TTL	4	15†	0.0	5.0	10n	5.0n	8.0n	15m	900m	-55	125	2	G0471	M126
5	TRWG60#1	4M	20M	MON	3.3	.26	TTL	8	15†	0.0	5 0	12n	5.0n	8.0n	15m	900m	-55	125	1	G04212g	M157
6	TRWG60#2	4M	20M	MON	3.3	.26	TTL	8	15†	0.0	5.0	12n	5.0n	8.0n	15m	900m	-55	125	1	G04212g	M126
7	TRWG120#1	4M	20M	MON	3.3	.26	TTL	9	15†	0.0	5 0	18n	5.0n	8.0n	15m	900m	-55	125	1	G04212h	M157
8	TRWG120#2	4M	20M	MON	3.3	26	TTL	9	15†	0.0	5 0	18n	5.0n	8.0n	15m	900m	-55	125	1	G04212h	M126
9	TRWG130#1	4M	20M	MON	3.3	.26	TTL	4	30†	0.0	5.0	25n	30n	30n	30m	900m	-55	125	2	G04191	M157
10	TRWG130#2	4M	20M	MON	3.3	.26	TTL	4	30†	0.0	5 0	25n	30n	30n	30m	900m	-55	125	2	G04191	M126
11	TRWG140#1	4M	20M	MON	3.3	.26	TTL	2	15†	0.0	5.0	10n	5.0n	8.0n	15m	900m	-55	125	4	G04212f	M157
12	TRWG140#2	4M	20M	MON	3.3	.26	TTL	2	15†	0.0	5.0	10n	5.0n	8.0n	15m	900m	-55	125	4	G04212f	M126
13	TRWG190#1	4M	20M	MON	3.3	26	TTL	3	15†	0.0	5.0	10n	5.0n	8.0n	45m	900m	-55	125	3	G04212e	M157
14	TRWG190#2	4M	20M	MON	3.3	.26	TTL	3	15†	0.0	5 0	10n	5 0n	8.0n	45m	900m	-55	125	3	G04212e	M126
15	RG132D	4M	20	MON	3.4	.20	TTL	4	24	0.0	5.0	15n			60mt	1.1	0	75	2	G04191	M105m
16	RG132K	4M	20	MON	3.4	.20	TTL	4	24	0.0	5.0	15n			60mt	1.1	0	75	2	G04191	FP28
17	RG133D	4M	20	MON	3.4	.20	TTL	4	12	0.0	5.0	15n			60mt	1.1	0	75	2	G04191	M105m
18	RG133K	4M	20	MON	3.4	.20	TTL	4	12	0.0	5.0	15n			60mt	1.1	0	75	2	G04191	FP28
19	RG7510D	4M	20	MON	3.4	.20	TTL	2	30	0.0	5.0	15n			120mt	1.1	-55	125	4		M105m
20	RG7510K	4M	20	MON	3 4	20	TTL	2	30	0 0	5.0	15n			120mt	1.1	-55	125	4		FP28
21	RG7511D	4M	20	MON	3.4	.20	TTL	2	15	0.0	5.0	15n			120mt	1.1	-55	125	4		M105m
22	RG7511K	4M	20	MON	3.4	20	TTL	2	15	0.0	5.0	15n			120mt	1.1	-55	125	4		FP28
23	RG7512D	4M	20	MON	3.4	.20	TTL	2	24	0.0	5.0	15n			120mt	1.1	0	75	4		M105m
24	RG7512K	4M	20	MON	3.4	.20	TTL	2	24	0.0	5.0	15n			120mt	1.1	0	75	4		FP28
25	RG7513D	4M	20	MON	3 4	20	TTL	2	12	0.0	5 0	15n			120mt	1.1	0	75	4		M105m
26	RG7513K	4M	20	MON	3.4	.20	TTL	2	12	0 0	5.0	15n			120mt	1.1	0	75	4		FP28
27	N8455A	4M		MON	3.4%	35*†	TTL	4	25	0	5	95n		75n	28mΔ	1.4	0	75	2	G04303	TO116
28	N8455F	4M		MON	3 4%	35†*	TTL	4	25	0.0	5.0	95n		75n	28mΔ	1.4	0	75	2	G04303	M157
29	N8455J	4M		MON	3.4%	.35*†	TTL	4	25	0	5	95n		75n	28mΔ	1.4	0	75	2	G04303	TO88
30	S8455A	4M		MON	3.4%	.35*†	TTL	4	25	0	5	95n		75n	28mΔ	1 4	-55	125	2	G04303	TO116
31	S8455F	4M		MON	3.4%	.35†*	TTL	4	25	0.0	5.0	95n		75n	28mΔ	1.4	-55	125	2	G04303	M157
32	S8455J	4M		MON	3 4%	.35*†	TTL	4	25	0	5	95n		75n	28mΔ	1.4	-55	125	2	G04303	TO88
33	SNG220J	4M		MON	3.5	.25	TTL	2	11	0.0	5.0	6.0n	2.5n	4.0n	88m	1.0	-55	125	4	G04240b	M157b
34	SNG220W	4M		MON	3.5	25	TTL	2	11	0.0	5.0	6.0n	2.5n	4.0n	88m	1.0	-55	125	4	G04240b	Δ004AF
35	SNG221J	4M		MON	3 5	25	TTL	2	6	0 0	5 0	6 0n	2 5n	4 0n	88m	1 0	-55	125	4	G04240b	M157b
36	SNG221W	4M		MON	3.5	.25	TTL	2	6	0.0	5.0	6.0n	2.5n	4.0n	88m	1.0	-55	125	4	G04240b	Δ004AF
37	SNG222J	4M		MON	3.5	.25	TTL	2	9	0.0	5 0	6.0n	2.5n	4.0n	88m	1.0	0	75	4	G04240b	M157b
38	SNG222W	4M		MON	3.5	.25	TTL	2	9	0.0	5.0	6.0n	2.5n	4.0n	88m	1 0	0	75	4	G04240b	Δ004AF
39	SNG223J	4M		MON	3.5	.25	TTL	2	5	0.0	5.0	6.0n	2.5n	4.0n	88m	1.0	0	75	4	G04240b	M157b
40	SNG223W	4M		MON	3.5	.25	TTL	2	5	0.0	5.0	6.0n	2.5n	4.0n	88m	1.0	0	75	4	G04240b	Δ004AF
41	SNG240J	4M		MON	3 5	.25	TTL	4	11	0.0	5.0	6.0n	2.5n	4.0n	44m	1.0	-55	125	2	G04240	M157b
42	SNG240W	4M		MON	3.5	.25	TTL	4	11	0.0	5.0	6.0n	2.5n	4.0n	44m	1.0	-55	125	2	G04240	Δ004AF
43	SNG241J	4M		MON	3.5	25	TTL	4	6	0.0	5.0	6.0n	2.5n	4.0n	44m	1.0	-55	125	2	G04240	M157b
44	SNG241W	4M		MON	3.5	.25	TTL	4	6	0.0	5.0	6.0n	2.5n	4.0n	44m	1.0	-55	125	2	G04240	Δ004AF
45	SNG242J	4M		MON	3.5	.25	TTL	4	9	0.0	5.0	6.0n	2.5n	4.0n	44m	1.0	0	75	2	G04240	M157b
46	SNG242W	4M		MON	3.5	.25	TTL	4	9	0.0	5.0	6 0n	2.5n	4.0n	44m	1.0	0	75	2	G04240	Δ004AF
47	SNG243J	4M		MON	3.5	.25	TTL	4	5	0 0	5.0	6.0n	2.5n	4.0n	44m	1.0	0	75	2	G04240	M157b
48	SNG243W	4M		MON	3.5	.25	TTL	4	5	0.0	5.0	6.0n	2.5n	4.0n	44m	1.0	0	75	2	G04240	Δ004AF
49	SNG260J	4M		MON	3.5	.25	TTL	8	11	0.0	5.0	6.0n	3.0n	4.0n	22m	1 0	-55	125	1	G04240a	M157b
50	SNG260W	4M		MON	3.5	25	TTL	8	11	0.0	5.0	6.0n	3 0n	4 0n	22m	1.0	-55	125	1	G04240a	Δ004AF
51	SNG261J	4M		MON	3 5	25	TTL	8	6	0.0	5.0	6.0n	3.0n	4.0n	22m	1.0	-55	125	1	G04240a	M157b
52	SNG261W	4M		MON	3.5	.25	TTL	8	6	0.0	5.0	6.0n	3.0n	4.0n	22m	1.0	-55	125	1	G04240a	Δ004AF
53	SNG262J	4M		MON	3.5	.25	TTL	8	9	0.0	5.0	6.0n	3.0n	4.0n	22m	1.0	0	75	1	G04240a	M157b
54	SNG262W	4M		MON	3.5	.25	TTL	8	9	0.0	5.0	6.0n	3.0n	4.0n	22m	1.0	0	75	1	G04240a	Δ004AF
55	SNG263J	4M		MON	3.5	.25	TTL	8	5	0 0	5 0	6.0n	3.0n	4.0n	22m	1.0	0	75	1	G04240a	M157b
56	SNG263W	4M		MON	3.5	.25	TTL	8	5	0.0	5.0	6.0n	3.0n	4.0n	22m	1.0	0	75	1	G04240a	Δ004AF
57	TRWG260#1	4M	40M	MON	3.5	.25	TTL	8	11	0.0	5.0	6.0n	3.0n	4 0n	22m	1.0	-55	125	1	G04240a	M126
58	TRWG260#2	4M	40M	MON	3.5	.25	TTL	8	11	0.0	5.0	6.0n	3.0n	4.0n	22m	1.0	-55	125	1	G04240a	M157
59	SNG200J	4M		MON	3.5	.26	TTL	9Δ		0.0	5.0	11n	3.0n	4.5n	22m	1.0	-55	125	1	G04240c	M157b
60	SNG200W	4M		MON	3.5	.26	TTL	9Δ		0.0	5.0	11n	3.0n	4.5n	22m	1.0	-55	125	1	G04240c	Δ004AF
61	SNG201J	4M		MON	3.5	.26	TTL	9Δ		0.0	5.0	11n	3.0n	4.5n	22m	1.0	-55	125	1	G04240c	M157b
62	SNG201W	4M		MON	3.5	.26	TTL	9Δ		0 0	5.0	11n	3.0n	4.5n	22m	1.0	-55	125	1	G04240c	Δ004AF
63	SNG202J	4M		MON	3.5	.26	TTL	9Δ		0.0	5.0	11n	3.0n	4 5n	22m	1 0	0	75	1	G04240c	M157b
64	SNG202W	4M		MON	3 5	.26	TTL	9Δ		0.0	5.0	11n	3.0n	4.5n	22m	1.0	0	75	1	G04240c	Δ004AF
65	SNG203J	4M		MON	3 5	26	TTL	9Δ		0.0	5.0	11n	3.0n	4.5n	22m	1.0	0	75	1	G04240c	M157b
66	SNG203W	4M		MON	3.5	.26	TTL	9Δ		0.0	5.0	11n	3.0n	4.5n	22m	1.0	0	75	1	G04240c	Δ004AF
67	MC3129F	4S		MON	2 4%	.40*†	TTL	3		0.0	5 0	6.0n			44mt		-55	125	2	G04378	TO86
68	MC3129L	4S		MON	2 4%	.40*†	TTL	3		0.0	5.0	6.0n			44mt		-55	125	2	G04378	TO116
69	MC3029F	4S		MON	2.5%	.40*†	TTL	3		0.0	5 0	6.0n			44mt		0	75	2	G04378	TO86
70	MC3029L,P%	4S		MON	2 5%	.40*†	TTL	3		0 0	5 0	6.0n			44mt		0	75	2	G04378	TO116
71	N8241A	5		MON	2.6%	.40†		2	20	0.0	5.0	10n		50n	300m		0	75	4	G05102	M105q
72	N8241Q	5		MON	2.6%	40†		2	20	0.0	5.0	10n		50n	300m		0	75	4	G05102	TO88
73	S8241A	5		MON	2.6%	.40†		2	20	0.0	5 0	10n		50n	300m		-55	125	4	G05102	M105q
74	S8241F	5		MON	2.6%	.40†		2	20	0 0	5.0	10n		50n	300m		-55	125	4	G05102	M105r
75	S8241Q	5		MON	2 6%	.40†		2	20	0.0	5.0	10n		50n	300m		-55	125	4	G05102	TO88
76	MC14507AL	5		MOS	4.99%	.01*†		2	50	0.0	5.0	75n	175n	175n	250n%	2.2 Δ	-55	125	4	G05110	TO116
77	MC14507CL,P%	5		MOS	4.99%	.01*†		2	50	0.0	5.0	75n	200n	200n	2.5u%	2.2 Δ	-40	85	4	G05110	TO116
78	MEO8	5	5.0M	PCB	5.0	0.0		2	8	0	5	25n			350m	1.0	0	70	8	G0593	
79	UL51L#2	5		MOS	-3.5%	-9.0*		3		27	0.0				60mt		0	70	2	G05111	M183a
80	CD4030AD	5		MOS	10	0.0†		2	50	0.0	10	100nΔ			10u%	4 5 Δ	-55	125	4	G04403	Δ001AD
81	CD4030AE	5		MOS	10	0 0†		2	50	0 0	10	150nΔ			100u%	4 5 Δ	-40	85	4	G04403	Δ001AB
82	CD4030AK	5		MOS	10	0.0†		2	50	0.0	10	100nΔ			10u%	4.5 Δ	-55	125	4	G04403	Δ004AF
83	CM4030AD	5		MOS	10	0.0†		2		0.0	10	100nΔ			200m	4.5 Δ	-55	125	4	G05117	M105av
84	CM4030AE	5		MOS	10	0.0†		2		0.0	10	150nΔ			200m	4.5 Δ	-40	85	4	G05117	M105av
85	SCL4030AD	5		MOS	10	0.0		2	50	0.0	10	100n	40n	40n	10u	4 5	-55	125	4		Δ001AD
86	SCL4030AE	5		MOS	10	0.0		2	50	0.0	10	100n	40n	40n	10u	4.5	-40	85	4		Δ001AB
87	SCL4030AF	5		MOS	10	0.0		2	50	0.0	10	100n	40n	40n	10u	4.5	-55	125	4		Δ004AF
88	INS4030S	5	10M	MOS	10	0.0†	CMS	2	50	0.0	10	25n	20nt	20nt	30u%	4.5 Δ	-55	125	4	G05117	M236b
89	HD1A4030-9	5	10M	MOS	15	0.0	CMS	2		0.0	15	300nΔ			200m		-40	85	4	G05119	TO116
90	HD1A4030-2	5	10M	MOS	18	0.0	CMS	2		0 0	18	170nΔ			200m		-55	125	4	G05119	TO116
91	341CJ	5		MON	11.3	1.2†	DDL	6Δ	5	0.0	12	220nΔ			144m	5 0 Δ	-30	85	2	G0590	M172
92#	MIC341-1D	5		MON			DTL	6Δ		0 0	12						-55	125	2		M153a
93#	MIC341-1D1	5		MON			DTL	6Δ		0.0	15						-55	125	2		M153a
94#	MIC341-5D	5		MON			DTL	6Δ		0.0	12						-30	85	2		M153a
95#	MIC341-5D1	5		MON			DTL	6Δ		0.0	15						-30	85	2		M153a
96#	SFC450HE	5		MON			DTL	2	10	0	7	6n			40mt	400m	0	70	2		TO116
97#	SFC450HPM	5		MON			DTL	4	10	0	7	6n			40mt	400m	-55	125	2		ZB165
98#	SFC450PM	5		MON			DTL	4	10	0	7	13n			20mt	400m	-55	125	2		ZB165
99#	SFC451PM	5		MON			DTL	4	10	0	7	13n			20mt	400m	-55	125	2		ZB165
100	R131	5	10M	PCB	0.0	-3.0	DTL	2		15	10				40m	1.0	-20	65	4	G0584	CB31
101	SW1812M	5		MON	1.9%	1 2*	DTL	2	8†	0.0	8 0	30n			125mt	1.0	0	75	4	G02138	M105n
102	SW1812P	5		MON	1 9%	1.2*	DTL	2	8†	0 0	8.0	30n			125mt	1.0	0	75	4	G02138	M114
103▼	562	5	5.0M	PCB	2 0%	45*	DTL	2	8	0 0	7.0	40n%			396mt		0	70	12		CB62
104	SN5370	5		MON	2.5%	30*	DTL	4	10	0	7	65n	60n	200n	24mt		-55	125	2	G0574a	TO84
105	MC1912F	5		MON	2.6%	.40*†	DTL	2	8	0.0	5 0	40n			130m		-55	125	4	G02138	TO86
106	MC1912L	5		MON	2 6%	40*†	DTL	2	8	0.0	5.0	40n			130m		-55	125	4	G02138	TO116
107	MC1812F	5		MON	2.6%	.45*†	DTL	2	8	0.0	5.0	40n			130m		0	75	4	G02138	TO86
108	MC1812L,P%	5		MON	2.6%	.45*†	DTL	2	8	0 0	5 0	40n			130m		0	75	4	G02138	TO116
109	SN7370	5		MON	4.0*	.40*	DTL	4	10	0	7	65n%	60n	200n	72m		0	70	2	G0574	TO84

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	2 TYPE	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	I211	5	5.0M	PCB	5 0	0 0	DTL	2	7	4.8	5.2	35n	50n	25n	250m	1.0	0	70	6		CB☑
2#	FZH271	5		MON	7.5%	4 5*	DTL	3Δ	10	0 0	15				450m†	5.0 Δ	0	70	4	G05116	
3#	FZH275	5		MON	7.5%	4 5*	DTL	3Δ	10	0.0	15				450m†	5.0 Δ	-25	85	4	G05116	
4	MC683L,P%	5		MON	12.5%	1.5*†	DTL	2	10	0.0	15	300nΔ	20n†	20n†	380m†		-30	75	4	G05106	TO116
5	MC1030P	5		MON	-.75	-1.6*	ECT	2	25	5.2	0 0	5.0n	8.0n	9.0n	130m†		0	75	4	G0598	TO116
6	MC1230F	5		MON	-.75%	-1.6*	ECT	2	25	5 2	0 0	5.0n	8.0n	9.0n	130m†		-55	125	4	G0598	TO86
7	MC1230L	5		MON	-.75%	-1.6*	ECT	2	25	5.2	0.0	5.0n	8 0n	9.0n	130m†		-55	125	4	G0598	M157a
8	10113B	5	150M	MON	-.85	-1.7	ECT	2	10	5.2	0.0	2.5n	2.5n†	2.5n†	165m†	200m	-30	85	4	G05114	M256
9	10113F	5	150M	MON	-.85	-1.7	ECT	2	10	5.2	0.0	2.5n	2.5n†	2.5n†	165m†	200m	-30	85	4	G05114	M153a
10	MC1672S	5	300M†	MON	-.95%	-1.6†*	ECT	2	70	5.2	0.0	1.3n			220m†		0	75	3	G05107	FP78
11	MC1673S	5	300M†	MON	-.95%	-1 6†*	ECT	2	7	5.2	0.0	1.3n			250m†		0	75	3	G05107	FP78
12▼	MC10113L	5		MON	-.96%	-1.6*†	ECT	2		5.2	0.0	2.5n%	2.0n†	2.0n†	175m†		-30	85	4		M191
13	MC1672L	5	300M†	MON	-.96%	-1.6†*	ECT	2	70	5.2	0.0	1.3n			220m†		0	75	3	G05107	M191
14	MC1673L	5	300M†	MON	-.96%	-1.6†*	ECT	2	7	5 2	0.0	1 3n			250m†		0	75	3	G05107	M191
15	SN5191A	5		MON	.30*	2.0%	RCT	4	5	0	6	120n	70n	225n	25m†		-55	125	1	G0580	FP22
16	SN5191B	5		MON	.30*	2.0%	RCT	4	5	0	8	120nΔ	70n	225n	25m†	200m	-55	125	1	G0580	FP22
17	SNR5191	5		MON	.30*	2 0%	RCT	4	5	0	8	120nΔ	70n	225n	25m†	200m	-55	125	1	G0580	FP22
18	SN515B	5		MON	.30*	2.5%	RCT	4	5	0	8	185n	130n	925n	11m†	200m	-55	125	1	G0575	FP22
19	SNR515	5		MON	.30*	2.5%	RCT	4	5	0	8	185n	130n	925n	11m†	200m	-55	125	1	G0575	FP22
20	MC764P	5		MON			RTL	4	4	0.0	3 6	65n	10n	10n	25m†		15	55	2	G05101	TO116
21	MC864P	5		MON			RTL	4	4	0.0	3.6	65n	10n	10n	25m†		0	75	2	G05101	TO116
22	MC971F	5		MON	82%	.57*	RTL	2	5	0.0	3.0	12n%			72m†	100m	-55	125	1	G05100a	TO86
23#	SP245A	5		MON	.84	.22	RTL	4	4	0.0	8 0	60n			6.0m†	320m	-55	125	1	G0594a	CN6a
24#	SP295A	5		MON	.84	22	RTL	4	4	0	8	60n			6m	320m	-55	125	1	G0594	FP2
25	MC871F	5		MON	.84%	.55*	RTL	2	5	0.0	3.0	12n%			72m†	100m	0	100	1	G05100a	TO86
26	MC771F	5		MON	85%	.46*	RTL	2	16	0 0	3.6	12n%			28m†	100m	-55	125	1	G05100a	TO86
27	MC771P	5		MON	85%	.46*	RTL	2	16	0 0	3.6	12n%			28m†	100m	0	75	1	G05100	TO116
28	MC871P	5		MON	.88	.50*	RTL	2	5	0 0	3.6	12n%			28m†	100m	0	75	1	G05100	TO116
29#	SFC450E	5		MON			TTL	4	10	0	7	13n			20m†		0	70	2		TO116
30#	SFC451E	5		MON			TTL	4	10	0	7	13n			20m†		0	70	2		TO116
31	9014DM	5		MON	1 7%	.90*	TTL	2	11	0.0	5.0	13n			85m†		-55	125	4	G02132	M153a
32	9014DC	5		MON	1 8%	.85*	TTL	2	11	0.0	5.0	14n			85m†		0	75	4	G02132	M153a
33▼	5560	5	25M	PCB	2.0%	.45*	TTL	2	10	0.0	7.0	14n%	2 0n†	2.5n†	300m†		0	70	12		CB62
34	JANM38510/02601BCB	5		MON	2.0%	.70*	TTL	2	10	0.0	5 5	275nΔ			36m		-55	125	4	G05118	M314
35	JANM38510/02601CCB	5		MON	2 0%	70*	TTL	2	10	0 0	5.5	275nΔ			36m		-55	125	4	G05118	M314
36♦	SN54L86J	5		MON	2.0%	.70*	TTL	2	10	0.0	5.0	55n			15m†	1.0 Δ	-55	125	4	G0572c	M157b
37♦	SN54L86N	5		MON	2.0%	70*	TTL	2	10	0.0	5.0	55n			15m†	1.0 Δ	-55	125	4	G0572c	M126e
38♦	SN54L86T	5		MON	2 0%	70*	TTL	2	10	0.0	5 0	55n			15m†	1.0 Δ	-55	125	4	G0572c	FP52e
39▼	SN54LS86J	5		MON	2.0%	.70*	TTL	2	10	0.0	5 0	10n			30m†	1.0 Δ	-55	125	4	G0572c	M157b
40▼	SN54LS86N	5		MON	2.0%	.70*	TTL	2	10	0 0	5.0	10n			30m†	1.0 Δ	-55	125	4	G0572c	M126e
41▼	SN54LS86W	5		MON	2.0%	.70*	TTL	2	10	0.0	5.0	10n			30m†	1.0 Δ	-55	125	4	G0572c	Δ004AA
42▼	SN54LS136J	5		MON	2.0%	.70*	TTL	2		0.0	5.0	30nΔ			30m†		-55	125	4	G05120	M157b
43▼	SN54LS136N	5		MON	2.0%	.70*	TTL	2		0.0	5.0	30nΔ			30m†		-55	125	4	G05120	M126e
44▼	SN54LS136W	5		MON	2.0%	.70*	TTL	2		0.0	5.0	30nΔ			30m†		-55	125	4	G05120	Δ004AA
45♦	SN74L86J	5		MON	2.0%	.70*	TTL	2	10	0.0	5.0	55n			15m†	1.0 Δ	0	70	4	G0572c	M157b
46♦	SN74L86N	5		MON	2.0%	.70*	TTL	2	10	0 0	5.0	55n			15m†	1 0 Δ	0	70	4	G0572c	M126e
47♦	SN74L86T	5		MON	2.0%	.70*	TTL	2	10	0.0	5.0	55n			15m†	1.0 Δ	0	70	4	G0572c	FP52e
48	FJH271	5		MON	2 0%	.80*	TTL	2	10	0.0	5.0	12n%			39m	1.0	0	70	4	G0572b	M105d
49#	FLH341-7486	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	30nΔ			250m§		0	70	4	G0572b	M126p
50#	FLH345-8486	5		MON	2 0%	.80*	TTL	2	10	0.0	5 0	30nΔ			250m§		-25	85	4	G0572b	M126p
51	I763	5		PCB	2 0	.80	TTL	2	10	0.0	7 0	15n			156m		0	70	16		CB☑
52	ITT7486J	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	15n			30m†	1 0 Δ	0	70	4		TO116
53	JANM38510/00701BAA	5		MON	2.0%	.80*	TTL	2	20	0.0	5.5	37nΔ			256m		-55	125	4	G05109	FP52d
54	JANM38510/00701BAB	5		MON	2.0%	.80*	TTL	2	20	0.0	5.5	37nΔ			256m		-55	125	4	G05109	FP52d
55	JANM38510/00701BAC	5		MON	2.0%	.80*	TTL	2	20	0.0	5.5	37nΔ			256m		-55	125	4	G05109	FP52d
56	JANM38510/00701BCA	5		MON	2 0%	.80*	TTL	2	20	0 0	5.5	37nΔ			256m		-55	125	4	G05109	M314
57	JANM38510/00701BCB	5		MON	2.0%	80*	TTL	2	20	0.0	5.5	37nΔ			256m		-55	125	4	G05109	M314
58	JANM38510/00701BCC	5		MON	2.0%	80*	TTL	2	20	0 0	5 5	37nΔ			256m		-55	125	4	G05109	M314
59	JANM38510/00701BDB	5		MON	2.0%	80*	TTL	2	20	0.0	5 5	37nΔ			256m		-55	125	4	G05109	FP83
60	JANM38510/00701BDC	5		MON	2.0%	.80*	TTL	2	20	0.0	5.5	37nΔ			256m		-55	125	4	G05109	FP83
61	JANM38510/00701CAA	5		MON	2.0%	80*	TTL	2	20	0.0	5 5	37nΔ			256m		-55	125	4	G05109	FP52d
62	JANM38510/00701CAB	5		MON	2.0%	.80*	TTL	2	20	0 0	5.5	37nΔ			256m		-55	125	4	G05109	FP52d
63	JANM38510/00701CAC	5		MON	2 0%	.80*	TTL	2	20	0 0	5 5	37nΔ			256m		-55	125	4	G05109	FP52d
64	JANM38510/00701CCA	5		MON	2.0%	.80*	TTL	2	20	0.0	5 5	37nΔ			256m		-55	125	4	G05109	M314
65	JANM38510/00701CCB	5		MON	2 0%	.80*	TTL	2	20	0.0	5 5	37nΔ			256m		-55	125	4	G05109	M314
66	JANM38510/00701CCC	5		MON	2 0%	.80*	TTL	2	20	0 0	5.5	37nΔ			256m		-55	125	4	G05109	M314
67	JANM38510/00701CDB	5		MON	2.0%	.80*	TTL	2	20	0.0	5.5	37nΔ			256m		-55	125	4	G05109	FP83
68	JANM38510/00701CDC	5		MON	2.0%	.80*	TTL	2	20	0.0	5.5	37nΔ			256m		-55	125	4	G05109	FP83
69	JANM38510/00701DAA	5		MON	2.0%	.80*	TTL	2	20	0.0	5.5	37nΔ			256m		-55	125	4	G05109	FP52d
70	JANM38510/00701DAB	5		MON	2 0%	80*	TTL	2	20	0.0	5 5	37nΔ			256m		-55	125	4	G05109	FP52d
71	JANM38510/00701DAC	5		MON	2 0%	.80*	TTL	2	20	0.0	5 5	37nΔ			256m		-55	125	4	G05109	FP52d
72#	M53286P	5		MON	2.0%	.80*	TTL	2	10	0.0	7 0	14n%☑			39mΔ	1.0 Δ	0	75	4	G0572b	M105j
73#	MIC5486J	5		MON	2.0%	80*	TTL	2	20	0.0	5 0	30nΔ			150m†	400m	-55	125	4	G0572b	TO116
74#	MIC6486J	5		MON	2.0%	80*	TTL	2	20	0.0	5 0	30nΔ			150m†	400m	-40	85	4	G0572b	TO116
75#	MIC7486J	5		MON	2.0%	.80*	TTL	2	20	0.0	5 0	30nΔ			150m†	400m	0	75	4	G0572b	TO116
76#	MIC7486N	5		MON	2.0%	.80*	TTL	2	20	0.0	5.0	30nΔ			150m†	400m	0	75	4	G0572b	M126
77	N7486A	5		MON	2.0%	.80*	TTL	2	20	0.0	5.0	30nΔ					0	70	4		TO116
78	N7486J	5		MON	2.0%	.80*	TTL	2	20	0.0	5.0	30nΔ					0	70	4		TO88
79	NC7486N	5		MON	2.0%	.80*	TTL	2	10	0 0	5.0	12n%☑			39mΔ	1.0	0	70	4	G0572b	M126
80	S5486A	5		MON	2.0%	.80*	TTL	2	20	0.0	5 0	30nΔ					-55	125	4		TO116
81	S5486F	5		MON	2.0%	.80*	TTL	2	20	0 0	5.0	30nΔ					-55	125	4		M157
82	S5486J	5		MON	2.0%	80*	TTL	2	20	0.0	5 0	30nΔ					-55	125	4		TO88
83#	SFC450ET	5		MON	2 0%	80*	TTL	4	10	0.0	5 0	13n			20m†	400m	-25	85	2		TO116
84#	SFC486E	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	15n				1 0 Δ	0	70	4	G0572b	TO116
85#	SFC486EM	5		MON	2.0%	80*	TTL	2	10	0.0	5.0	15n				1.0 Δ	-55	125	4	G0572b	TO116
86#	SFC486ET	5		MON	2.0%	80*	TTL	2	10	0 0	5.0	15n				1 0 Δ	-25	85	4	G0572b	TO116
87#	SFC486PM	5		MON	2.0%	80*	TTL	2	10	0.0	5.0	15n				1.0 Δ	-55	125	4	G0572b	TO85
88▼	SN54S86J	5		MON	2.0%	.80*	TTL	2	10	0 0	5 0	7 0n			250m	1 0 Δ	-55	125	4	G0572c	M157b
89▼	SN54S86W	5		MON	2.0%	80*	TTL	2	10	0.0	5.0	7.0n			250m	1.0 Δ	-55	125	4	G0572c	Δ004AA

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1▼	SN74LS86J	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	10n			30mt	1.0 Δ	0	70	4	G0572c	M157b
2▼	SN74LS86N	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	10n			30mt	1.0 Δ	0	70	4	G0572c	M126e
3▼	SN74LS86W	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	10n			30mt	1.0 Δ	0	70	4	G0572c	Δ004AA
4▼	SN74LS136J	5		MON	2.0%	.80*	TTL	2		0.0	5.0	30nΔ			30mt		0	70	4	G05120	M157b
5▼	SN74LS136N	5		MON	2.0%	.80*	TTL	2		0.0	5.0	30nΔ			30mt		0	70	4	G05120	M126e
6▼	SN74LS136W	5		MON	2.0%	.80*	TTL	2		0.0	5.0	30nΔ			30mt		0	70	4	G05120	Δ004AA
7▼	SN74S86J	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	7.0n			250m	1.0 Δ	0	70	4	G0572c	M157b
8▼	SN74S86N	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	7.0n			250m	1.0 Δ	0	70	4	G0572c	M126e
9♦	SN5486J	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	14n			150mt	1.0 Δ	-55	125	4	G0572b	M157b
10#	SN5486N	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	12n%☑			39mΔ	1.0	-55	125	4	G0572b	M75a
11♦	SN5486W	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	14n			150mt	1.0 Δ	-55	125	4	G0572b	Δ004AA
12#	SN6486N	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	12n%☑			39mΔ	1.0	-40	85	4	G0572b	M75a
13♦	SN7486J	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	14n			150mt	1.0 Δ	0	70	4	G0572b	M157b
14♦#	SN7486N	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	14n			150mt	1.0	0	70	4	G0572b	M126e
15	SN7486W	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	15n			30mt	1.0 Δ	0	70	4		TO84
16▼	SN54136J	5		MON	2.0%	.80*	TTL	2		0.0	5.0	12n			150mt		-55	125	4	G05120	M157b
17▼	SN54136W	5		MON	2.0%	.80*	TTL	2		0.0	5.0	12n			150mt		-55	125	4	G05120	Δ004AA
18▼	SN74136J	5		MON	2.0%	.80*	TTL	2		0.0	5.0	12n			150mt		0	70	4	G05120	M157b
19▼	SN74136N	5		MON	2.0%	.80*	TTL	2		0.0	5.0	12n			150mt		0	70	4	G05120	M126e
20	SW5486J	5		MON	2.0%	.80*	TTL	2	10	0.0	5.5	15n%			150mt	1.0	-55	125	4	G05112	M114
21	SW7486J	5		MON	2.0%	.80*	TTL	2	10	0.0	5.25	15n%			150mt	1.0	0	70	4	G05112	M114
22	SW7486N	5		MON	2.0%	.80*	TTL	2	10	0.0	5.25	15n%			150mt	1.0	0	70	4	G05112	M105n
23	T54S86F	5		MON	2.0%	.80*	TTL	2	20	0.0	6.0	10nΔ			375m§		-55	125	4	G05120	TO86
24	T54S86J	5		MON	2.0%	.80*	TTL	2	20	0.0	5.0	10nΔ			375m§		-55	125	4	G05120	M157c
25	T54S136F	5		MON	2.0%	.80*	TTL	2	20	0.0	5.0	14nΔ			375m§		-55	125	4	G05120	TO86
26	T54S136J	5		MON	2.0%	.80*	TTL	2	20	0.0	5.0	14nΔ			375m§		-55	125	4	G05120	M157c
27	T74S86F	5		MON	2.0%	.80*	TTL	2	20	0.0	5.0	10nΔ			375m§		0	70	4	G05120	TO86
28	T74S86J	5		MON	2.0%	.80*	TTL	2	20	0.0	5.0	10nΔ			375m§		0	70	4	G05120	M157c
29	T74S136F	5		MON	2.0%	.80*	TTL	2	20	0.0	5.0	14nΔ			375m§		0	70	4	G05120	TO86
30	T74S136J	5		MON	2.0%	.80*	TTL	2	20	0.0	5.0	14nΔ			375m§		0	70	4	G05120	M157c
31#	T7486B1	5		MON	2.0%	.80*	TTL	2	20	0.0	5.0	30nΔ			150m%	1.0 Δ	0	70	4		M126h
32#	TL7486N	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	30nΔ			262mt		0	70	4	G0572b	M126n
33#	TL8486N	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	30nΔ			262mt		-25	85	4	G0572b	M126n
34	US5486A	5		MON	2.0%	.80*	TTL	2	80	0.0	5.0	30nΔ					-55	125	4	G0572b	M105af
35	US5486J	5		MON	2.0%	.80*	TTL	2	80	0.0	5.0	30nΔ					-55	125	4	G0572b	TO88
36	US7486A	5		MON	2.0%	.80*	TTL	2	80	0.0	5.0	30nΔ					0	70	4	G0572b	M105af
37	US7486J	5		MON	2.0%	.80*	TTL	2	80	0.0	5.0	30nΔ					0	70	4	G0572b	TO88
38	MC3121F	5		MON	2.4%	.40*†	TTL	2	8.0	0.0	5.0	14n			100mt		-55	125	4	G05103	TO86
39	MC3121L	5		MON	2.4%	.40*†	TTL	2	8	0.0	5.0	14n			100mt		-55	125	4	G05103	TO116
40▼	MC5486F	5		MON	2.4%	.40*†	TTL	2	10	0.0	5.0	30nΔ			215m§		-55	125	4	G05120	TO86
41▼	MC5486L	5		MON	2.4%	.40*†	TTL	2	10	0.0	5.0	30nΔ			215m§		-55	125	4	G05120	TO116
42▼	MC7486F	5		MON	2.4%	.40*†	TTL	2	10	0.0	5.0	30nΔ			250m§		0	75	4	G05120	TO86
43▼	MC7486L,P%	5		MON	2.4%	.40*†	TTL	2	10	0.0	5.0	30nΔ			250m§		0	75	4	G05120	TO116
44	M121	5	20M	PCB	2.4	.40	TTL	1	10	0	5	15n	15n	15n	205m	1.0	0	70	6		
45	MC3021F	5		MON	2.5%	.40*†	TTL	2	8.0	0.0	5.0	14n			100mt		0	75	4	G05103	TO86
46	MC3021L,P%	5		MON	2.5%	.40*†	TTL	2	8	0.0	5.0	14n			100mt		0	75	4	G05103	TO116
47	N8241F	5		MON	2.6%	.40*†	TTL	2	20	0.0	5.0	20nΔ					0	75	4	G05102	M157
48	N8840A	5		MON	2.6%	.40*†	TTL	4	20	0	5	13n%Δ		50n	37mΔ	600m	0	75	2	G0587	TO116
49	N8840F	5		MON	2.6%	.40†*	TTL	4	20	0.0	5.0	13n%Δ		50n	37mΔ	600m	0	75	2	G0587	M157
50	N8840J	5		MON	2.6%	.40*†	TTL	4	20	0	5	13n%Δ		50n	37mΔ	600m	0	75	2	G0587	TO88
51	S8840A	5		MON	2.6%	.40*†	TTL	4	20	0	5	13n%Δ		50n	37mΔ	600m	-55	125	2	G0587	TO116
52	S8840F	5		MON	2.6%	.40†*	TTL	4	20	0.0	5.0	13n%Δ		50n	37mΔ	600m	-55	125	2	G0587	M157
53	S8840J	5		MON	2.6%	.40*†	TTL	4	20	0	5	13n%Δ		50n	37mΔ	600m	-55	125	2	G0587	TO88
54	MC7241F	5		MON	2.8%	.40*†	TTL	2	10	0.0	5.0	10n%			225mt		0	75	4		TO86
55	MC7241L,P%	5		MON	2.8%	.40*†	TTL	2	10	0.0	5.0	10n%			225mt		0	75	4		TO116
56	MC8241F	5		MON	2.8%	.40*†	TTL	2	10	0.0	5.0	10n%			225mt		-55	125	4		TO86
57	MC8241L	5		MON	2.8%	.40*†	TTL	2	10	0.0	5.0	10n%			225mt		-55	125	4		TO116
58	TG90F	5	20M	MON	3.0	.30	TTL	8	15	0.0	5.0	18n	5.0n	5.0n	60m	1.0 Δ	-55	125	1	G0583	FP21c
59	TG90J	5	20M	MON	3.0	.30	TTL	8	15	0.0	5.0	18n	5.0n	5.0n	60m	1.0 Δ	-55	125	1	G0583	TO116
60	TG91F	5	20M	MON	3.0	.30	TTL	8	7	0.0	5.0	18n	5.0n	5.0n	60m	1.0 Δ	-55	125	1	G0583	FP21c
61	TG91J	5	20M	MON	3.0	30	TTL	8	7	0.0	5.0	18n	5.0n	5.0n	60m	1.0 Δ	-55	125	1	G0583	TO116
62	TG92F	5	20M	MON	3.0	30	TTL	8	15	0.0	5.0	18n	5.0n	5.0n	60m	1.0 Δ	0	75	1	G0583	FP21c
63	TG92J	5	20M	MON	3.0	.30	TTL	8	15	0.0	5.0	18n	5.0n	5.0n	60m	1.0 Δ	0	75	1	G0583	TO116
64	TG93F	5	20M	MON	3.0	.30	TTL	8	7	0.0	5.0	18n	5.0n	5.0n	60m	1.0 Δ	0	75	1	G0583	FP21c
65	TG93J	5	20M	MON	3.0	.30	TTL	8	7	0.0	5.0	18n	5.0n	5.0n	60m	1.0 Δ	0	75	1	G0583	TO116
66	SNG90J	5	20M	MON	3.3	.26	TTL	8	15†	0.0	5.0	11n	5.0n	8.0n	35m	900m	-55	125	1	G0545	M157b
67	SNG90W	5	20M	MON	3.3	.26	TTL	8	15†	0.0	5.0	11n	5.0n	8.0n	35m	900m	-55	125	1	G0545	Δ004AF
68	SNG91J	5	20M	MON	3.3	26	TTL	8	7†	0.0	5.0	11n	5.0n	8.0n	35m	900m	-55	125	1	G0545	M157b
69	SNG91W	5	20M	MON	3.3	.26	TTL	8	7†	0.0	5.0	11n	5.0n	8.0n	35m	900m	-55	125	1	G0545	Δ004AF
70	SNG92J	5	20M	MON	3.3	.26	TTL	8	12†	0.0	5.0	11n	5.0n	8.0n	35m	900m	0	75	1	G0545	M157b
71	SNG92W	5	20M	MON	3.3	.26	TTL	8	12†	0.0	5.0	11n	5.0n	8.0n	35m	900m	0	75	1	G0545	Δ004AF
72	SNG93J	5	20M	MON	3.3	.26	TTL	8	6†	0.0	5.0	11n	5.0n	8.0n	35m	900m	0	75	1	G0545	M157b
73	SNG93W	5	20M	MON	3.3	26	TTL	8	6†	0.0	5.0	11n	5.0n	8.0n	35m	900m	0	75	1	G0545	Δ004AF
74	TRWG90#1	5	20M	MON	3.3	.26	TTL	8	15	0.0	5.0	11n	5.0n	8.0n	35m	900m	-55	125	1	G0545	M157
75	TRWG90#2	5	20M	MON	3.3	.26	TTL	8	15	0.0	5.0	11n	5.0n	8.0n	35m	900m	-55	125	1	G0545	M126
76	N8440A	5		MON	3.4%	.35*†	TTL	4	9	0	5	95n		75n	29mΔ	1.4	0	75	2	G0592	TO116
77	N8440F	5		MON	3.4%	.35†*	TTL	4	9	0.0	5.0	95n		75n	29mΔ	1.4	0	75	2	G0592	M157
78	N8440J	5		MON	3.4%	.35*†	TTL	4	9	0	5	95n		75n	29mΔ	1.4	0	75	2	G0592	TO88
79	S8440A	5		MON	3.4%	.35*†	TTL	4	9	0	5	95n		75n	29mΔ	1.4	-55	125	2	G0592	TO116
80	S8440F	5		MON	3.4%	.35†*	TTL	4	9	0.0	5.0	95n		75n	29mΔ	1.4	-55	125	2	G0592	M157
81	S8440J	5		MON	3.4%	.35*†	TTL	4	9	0	5	95n		75n	29mΔ	1.4	-55	125	2	G0592	TO88
82#	ZN5450E	5		MON	3.5	20	TTL	6Δ	10	0.0	5.0	29n			10m	1.0	-55	125	2		M126
83#	ZN5450F	5		MON	3.5	.20	TTL	6Δ	10	0.0	5.0	29n			10m	1.0	-55	125	2		TO86
84#	ZN5451E	5		MON	3.5	.20	TTL	4	10	0.0	5.0	29n			10m	1.0	-55	125	2		M126
85#	ZN5451F	5		MON	3.5	.20	TTL	4	10	0.0	5.0	29n			10m	1.0	-55	125	2		TO86
86#	ZN7450E	5		MON	3.5	.20	TTL	6Δ	10	0.0	5.0	29n			10m	1.0	-55	125	2		M126
87#	ZN7450F	5		MON	3.5	.20	TTL	6Δ	10	0.0	5.0	29n			10m	1.0	-55	125	2		TO86
88#	ZN7451E	5		MON	3.5	.20	TTL	4	10	0.0	5.0	29n			10m	1.0	-55	125	2		M126
89#	ZN7451F	5		MON	3.5	.20	TTL	4	10	0.0	5.0	29n			10m	1.0	-55	125	2		TO86
90	MM481	5	2.0M	MOS	-8.0%	-1.0*†	TTL	2	10	10	0	130 %			24m		-55	125	2	G0597	TO100
91	MM581	5	2.0M	MOS	-8.0%	-1.0*†	TTL	2	10	10	0	130 %			24m		0	70	2	G0597	TO100
92	M206	5	3.0M	PCB	10	0.0	TTL	2	50	0.0	10	80n	20n	20n	16u		-55	95	16		CB☑
93	10107B	5,7	150M	MON	-.85	-1.7	ECT	2	10	5.2	0.0	2.0n	2.5nt	2.5nt	115mt	200m	-30	85	3	G05113	M256
94	10107F	5,7	150M	MON	-.85	-1.7	ECT	2	10	5.2	0.0	2.0n	2.5nt	2.5nt	115mt	200m	-30	85	3	G05113	M153a
95#	GXB10107	5,7		MON	-.88	-1.7†	ECT	2		5.2	0.0	2.4n%	2.5nt	2.5nt	115mt		0	75	3	G05108	M200n
96	MC10507F	5,7		MON	-.93%	-1.6*†	ECT	2		5.2	0.0	3.7nΔ	3.5n	3.5n	120mt		-55	125	3	G05108	FP85
97	MC10507L	5,7		MON	-.93%	-1.6*†	ECT	2		5.2	0.0	3.7nΔ	3.5n	3.5n	120mt		-55	125	3	G05108	M191
98	MC10107L	5,7		MON	-.96%	-1.6*†	ECT	2		5.2	0.0	2.5n%	3.5n	3.5n	120mt		-30	85	3	G05108	M191
99	MC10107P	5,7		MON	-.96%	-1.6*†	ECT	2		5.2	0.0	2.5n%	2.5nt	2.5nt	120mt		-30	85	3	G05108	M278
100▼	SN54S135J	5,7		MON	2.0%	.80*	TTL	5		0.0	5.0	8.0n			325mt		-55	125	4		M153d
101▼	SN54S135W	5,7		MON	2.0%	.80*	TTL	5		0.0	5.0	8.0n			325mt		-55	125	4		Δ004AG
102▼	SN74S135J	5,7		MON	2.0%	.80*	TTL	5		0.0	5.0	8.0n			325mt		0	70	4		M153d
103▼	SN74S135N	5,7		MON	2.0%	.80*	TTL	5		0.0	5.0	8.0n			325mt		0	70	4		M117x
104	D4025	5F	5.0M	PCB	2.0%	.95*	DTL	2	7	0	5	60n%	50nt	15nt	1.3	1.0 Δ	0	75	16		CB☑
105	MC1031P	5G		MON	.85%	-1.5*†	ECT	2	25	5.2	0.0	5.0nt	8.5n	9.0n	130mt		0	75	4	G0599	TO116
106	MC1231F	5G		MON	.85%	-1.5*†	ECT	2	25	5.2	0.0	5.0nt	8.5n	9.0n	130mt		-55	125	4	G0599	TO86
107	MC1231L	5G		MON	.85%	-1.5*†	ECT	2	25	5.2	0.0	5.0nt	8.5n	9.0n	130mt		-55	125	4	G0599	TO116
108	RG92D	5K	20M	MON	3.1%	40*	TTL	8	12†	0.0	5.0	22nΔ	8.0n	6.0n	35mt	900m	0	75	1	G0579	M105ar
109	RG92K	5K	20M	MON	3.1%	40*	TTL	8	12†	0.0	5.0	22nΔ	8.0n	6.0n	35mt	900m	0	75	1	G0579	FP21b
110	RG93D	5K	20M	MON	3.1%	.40*	TTL	8	6†	0.0	5.0	22nΔ	8.0n	6.0n	35mt	900m	0	75	1	G0579	M105ar

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	RG93K	5K	20M	MON	3.1%	40*	TTL	8	6†	0 0	5.0	22nΔ	8 0n	6.0n	35m†	900m	0	75	1	G0579	FP21b
2	RG90D	5K	20M	MON	3 2%	.40*	TTL	8	15†	0 0	5 0	22nΔ	8 0n	6 0n	35m†	900m	-55	125	1	G0579	M105ar
3	RG90K	5K	20M	MON	3.2%	.40*	TTL	8	15†	0.0	5.0	22nΔ	8.0n	6 0n	35m†	900m	-55	125	1	G0579	FP21b
4	RG91D	5K	20M	MON	3 2%	.40*	TTL	8	7†	0.0	5.0	22nΔ	8 0n	6.0n	35m†	900m	-55	125	1	G0579	M105ar
5	RG91K	5K	20M	MON	3 2%	.40*	TTL	8	7†	0.0	5.0	22nΔ	8 0n	6 0n	35m†	900m	-55	125	1	G0579	FP21b
6	E50	6		PCB	2.6%	.50*		4†		0	5						0	70	9	G0661e	
7	E51	6		PCB	2 6%	.50*		5†		0	5						0	70	7	G0661f	
8	SP301A	6		MON	3.5%	.40†		2	12†	0 0	5.0	45n			180m†	1.2	0	75	4	G04400	M105q
9	LCE708	6	1.0M	MOH	6.0	0.0†				6	12						-15	65			M45
10	LCE408/A	6	3.0M	MOH	6.0	0.0†				6	12						-40	100	4	G013s	M45
11	LCE408/O	6	3.0M	MOH	6.0	0.0†				6	12						-40	100	4	G013t	M45
12	LCE508	6	5.0M	MOH	6.0	0.0†				6	12						-30	80			M45
13	MX53L	6		MOS	-3 5%	-9 0*		1		27	0.0	65n					0	70	10	G06168	M183a
14	UL53L#1	6		MOS	-3.5%	-9.0*		1		27	0.0	65n			120m†		0	70	4	G06167	M183a
15	D4414	6	3.0M		13	1.5		1		1.0	18					5.0	0	50			
16	N8731A	6		MON			DDL	2									0	75	4	G06152	TO116
17	N8731F	6		MON			DDL	2									0	75	4	G06152	M157
18	N8731J	6		MON			DDL	2									0	75	4	G06152	TO88
19	S8731A	6		MON			DDL	2									-55	125	4	G06152	TO116
20	S8731F	6		MON			DDL	2									-55	125	4	G06152	M157
21	S8731J	6		MON			DDL	2									-55	125	4	G06152	TO88
22	R001	6	2.0M	PCB	-3.0	0.0	DDL	1	1								-20	65	7	G0671	CB31
23	R002	6	2.0M	PCB	-3 0	0 0	DDL	2	1								-20	65	5	G0672	CB31
24	331CJ	6		MON	11.3	1.2†	DDL	5		0.0	12	40n				5.0 Δ	-30	85	2	G06110	M172
25#	9933-9-3I	6		MON			DTL	4		0.0	5.0				18m†		0	75	2	G0694b	FP28b
26#	9933-9-6A	6		MON			DTL	4		0 0	5.0				18m†		0	75	2	G0694b	M157
27#	9933-9-7A	6		MON			DTL	4	10	0 0	5 0					1.0	0	75	2	G0694b	M105e
28#	DN1933	6		MON			DTL	4		0.0	5 0					1 0 Δ	0	75	2	G04207	TO116
29#	FCY101	6		MON			DTL	4†	1								0	75	3	G0661j	TO116
30#	FQY101-833	6		MON			DTL	4		0.0	8.0				16m†	1 0 Δ	0	75	2	G06156	TO116
31	HEPC0903P-RT	6		MON			DTL	4									-30	75	2	G06161	TO116
32	HEPC1033P-RT	6		MON			DTL	4									0	75	2	G06107	TO116
33	ITT331-1D	6					DTL	5		0 0	12						-55	125	2	G06110	M200d
34	ITT331-5D	6					DTL	5		0 0	12						-30	85	2	G06110	M200d
35#	M5933P	6		MON			DTL	4Δ								1.0 Δ	0	75	2	G06107	M105j
36	MC833F	6		MON			DTL	4		0.0	5 0						0	75	2	G0694b	TO86
37	MC833G	6		MON			DTL	4†		0.0	5.0						0	75	2	G0694	TO100
38	MC833L,P%	6		MON			DTL	4		0.0	5.0						0	75	2	G0694b	TO116
39	MC847F	6		MON			DTL	2		0.0	5.0						0	75	4	G06103d	TO86
40	MC847L,P%	6		MON			DTL	2		0 0	5.0						0	75	4	G06103d	TO116
41	MC933F	6		MON			DTL	4		0 0	5.0						-55	125	2	G0694b	TO86
42	MC933G	6		MON			DTL	4†		0.0	5.0						-55	125	2	G0694	TO100
43	MC933L	6		MON			DTL	4		0.0	5 0						-55	125	2	G0694l	TO116
44	MC947F	6		MON			DTL	2		0.0	5.0						-55	125	4	G06103d	TO86
45	MC947L	6		MON			DTL	2		0.0	5.0						-55	125	4	G06103d	TO116
46	MCE933F	6		MON			DTL	1		0.0	5.0						-55	125	2	G06107	TO86
47#	MIC331-1D	6		MON			DTL	5		0 0	12						-55	125	2		M153a
48#	MIC331-1D1	6		MON			DTL	5		0.0	15						-55	125	2		M153a
49#	MIC331-5D	6		MON			DTL	5		0.0	12						-30	85	2		M153a
50#	MIC331-5D1	6		MON			DTL	5		0.0	15						-30	85	2		M153a
51#	SFC460PM	6		MON			DTL	4	10	0	7				20m†	400m	-55	125	2	G06133	ZB165
52	SFC933E	6		MON			DTL			0.0	5.0				18m†		0	75	2	G0694b	M126
53	SN15933	6		MON			DTL	4		0	5.5				10m		-55	125	2	G06107	TO84
54	SN15933N	6		MON			DTL	4	8	0.0	5.0				10m†		-55	125	2	G06107	M126a
55	SP300A	6		MON			DTL	3	1							1.0 Δ	15	55	2		M105
56	SP631A	6		MON			DTL	2	8	0.0	4.5					2.0	0	75	4	G0661c	M105ae
57	SW727-1P	6		MON			DTL	2								1.0 Δ	-55	125	4	G06103a	TO116
58	SW727-2M	6		MON			DTL	2								1.0 Δ	0	75	4	G06103a	M105n
59	SW727-2P	6		MON			DTL	2								1.0 Δ	0	75	4	G06103a	TO116
60	SW933-1P	6		MON			DTL	4								1.0 Δ	-55	125	2	G0694	TO116
61	SW933-1T	6		MON			DTL	4†								1.0	-55	125	2	G0694a	CN39
62	SW933-2M	6		MON			DTL	4								800mΔ	0	75	2	G0694	M105n
63	SW933-2P	6		MON			DTL	4								800mΔ	0	75	2	G0694	TO116
64	UC1005B	6		TFH			DTL	8									-55	125	1	G0674	M55
65	UC1006B	6		TFH			DTL	5									-55	125	1	G0674a	M55
66#	ZSD51A	6		MON	.20	4.0	DTL	5	8	0 0	5 0	9.0n			19m	1.0	-55	125	1		CN2
67#	ZSD111A	6		MON	.20	4.0	DTL	5	8	0.0	5.0	15n			19m	1.0	-55	125	1	G0686a	CN2
68#	ZSD131A	6		MON	20	4 0	DTL	5	8	0 0	5 0	15n			19m	1.0	0	70	1	G0686a	CN2
69	9933DM	6		MON	1.9%	1.1*	DTL	4		0 0	5 0					1.0 Δ	-55	125	2	G0694b	M157
70	MIC933-1B	6		MON	1.9%	1.1*	DTL	4	20	0	5 5					350m*	-55	125	2	G06136	FP32
71	MIC933-1C	6		MON	1 9%	1.1*	DTL	4	20	0	5.5					350m*	-55	125	2	G06136	CN38
72	MIC933-1D	6		MON	1.9%	1.1*	DTL	4	20	0	5 5					350m*	-55	125	2	G06136	M75g
73	MIC933-5B	6		MON	1 9%	1.1*	DTL	4	20	0	5					350m*	0	75	2	G06136	FP32
74	MIC933-5C	6		MON	1 9%	1.1*	DTL	4	20	0.0	5.0					350m*	0	75	2	G06136	CN38
75	MIC933-5D	6		MON	1.9%	1.1	DTL	4	20	0	5					350m*	0	75		G06136	M75g
76#	MIC933R3D	6		MON	1.9%	1 1*	DTL	4	20	0.0	5 0	80nΔ			150m§	700m	-40	85	2	G06136	M294b
77#	MIC933R6D	6		MON	1 9%	1.1*	DTL	4	20	0 0	5.0	80nΔ			150m§	700m	-20	75	2	G06136	M294b
78#	MIC933R7D	6		MON	1.9%	1.1*	DTL	4	20	0.0	5.0	80nΔ			133m§	700m	0	75	2	G06136	M294b
79♦	506	6	5.0M	PCB	2 0%	.45*	DTL	3†		0 0	5 0	5.0nΔ					0	70	12	G06153	CB62
80	698	6	5.0MΔ	PCB	2.0%	.45*	DTL	3†				3.0n					0	70	9	G0664a	CB50
81	RM933J	6		MON	2.0%	1 0*	DTL	3		0	5 0						-55	125	2		FP28
82	RM933T	6		MON	2.0%	1.0*	DTL	3		0	5.0						-55	125	2		TO101
83	SN7320	6		MON	2.6	.30	DTL	5		0	4						0	70	1	G0683a	TO84
84	9933FM	6		MON	2.6%	.40†*	DTL	4		0 0	5.0	36n			18m†		-55	125	2	G0694b	FP28b
85	9933HM	6		MON	2.6%	.40†*	DTL	4		0.0	8.0	36n			17m		-55	125	2	G0694b	TO116
86	SN15833	6		MON	2.6%	45*†	DTL	4		0	8				10m		0	75	2	G06107	TO84
87	SN15833N	6		MON	2.6%	.45*†	DTL	4		0	8				10m		0	75	2	G06107	M75a
88	K003	6	100k	PCB	5.0	0.0	DTL	3		0.0	5.0				15m	1.6	-20	65	3		
89	K012	6	100k	PCB	5.0	0.0	DTL	4		0.0	5 0				60m	1.6	-20	65	3		
90	I400	6	5.0M	PCB	5.0	0.0	DTL	4		4.8	5.2						0	70	8		CB☑
91	I407	6	5.0M	PCB	5 0	0.0	DTL	5	2	4.8	5.2	100n			500m		0	70	2		CB☑
92	331AJ	6		MON	6.5*	5.0%	DTL	5		0 0	15				78m†	3 2	-30	70	2	G06170	M319
93	331AL	6		MON	6.5*	5 0%	DTL	5		0.0	15				78m†	3.2	-30	70	2	G06170	M200j
94	331BL	6		MON	6.5*	5.0%	DTL	5		0.0	12				50m†	3.5	-55	125	2	G06170	M200j
95	331CL	6		MON	6.5*	5.0%	DTL	5		0.0	12				50m†	3.5	-30	85	2	G06170	M200j
96	331ML	6		MON	6 5*	5.0%	DTL	5		0.0	15				78m†	3.2	-55	125	2	G06170	M200j
97	SN15331J	6		MON	6 5%	5.0*	DTL	5									-30	85	2	G06170	M153a
98	SN15331N	6		MON	6.5%	5.0*	DTL	5									-30	85	2	G06170	M117
99	MC669L,P%	6		MON	12.5%	1.5*†	DTL	4	10	0.0	15						-30	75	2	G06161	TO116
100	MC1025P	6		MON	-.75	-1.6	ECT	5†		5.2	0.0					175m	0	75	2	G06164	TO116
101	MC1225F	6		MON	-.75	-1.6	ECT	5†		5.2	0.0					175m	-55	125	2	G06164	TO86
102	MC1225L	6		MON	-.75	-1 6	ECT	5†		5.2	0.0					175m	-55	125	2	G06164	TO116
103	MC305F	6	40M	MON	-.75	-1.6	ECT	5	Δ	5.2	0.0	6.0n	11n	11n			-55	125	1	G0683	TO91
104	MC305G	6	40M	MON	-.75	-1.6	ECT	5	Δ	5.2	0.0	6.0n	11n	11n			-55	125	1	G0683	CN9
105	MC355F	6	40M	MON	-.75	-1 6	ECT	5		5.2	0	11nΔ	13n	14n			0	75	1	G0683	TO91
106	MC355G	6	40M	MON	-.75	-1.6	ECT	5		5.2	0	11nΔ	13n	14n			0	75	1	G0683	CN9
107	9921HC	6		MON			RTL	2		0.0	3.6	15n			40m	250m	0	70	2	G0667	TO99

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	[6] TYPE No.	[1] TYPE OF GATE	[5] MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL [3] '1' (V)	LOGIC LEVEL [4] '0' (V)	LOGIC TYPE [2]	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	HEPC2001P-RT																				
2	HEPC2500P-RT	6		MON			RTL	2		0 0	3 6	12n			20m		0	75	4	G06134	TO116
		6		MON			RTL	4		0.0	3.6	12n			20m		15	55	2	G06142c	TO116
3	MC9720P	6		MON			RTL	1		0.0	3.6	12n			30mt		15	55	6	G06163	TO116
4	MC9820P	6		MON			RTL	1		0 0	3.6	12n			30mt		0	75	6	G06163	TO116
5	SN17921L	6		MON			RTL	2		0	8						.55	125	2	G06134	CN13
6	MC921F	6		MON	.75%	.45*	RTL	2	.50	0	4	27n			3.0mt		-55	125	2	G06142	TO91
7	MC921G	6		MON	75%	.45*	RTL	2	.50	0	4	27n			3.0mt		-55	125	2	G06142	TO99
8	MC9921F	6		MON	75%	45*	RTL	2		0	4	27n%			20mt	100m	-55	125	1	G06142b	TO86
9	MC821F	6		MON	80%	.46*	RTL	2	.50	0	4	27n			3.0mt		0	75	2	G06142	TO91
10	MC821G	6		MON	80%	.46*	RTL	2	.50	0	4	27n			3.0mt		0	75	2	G06142	TO99
11	MC9821F	6		MON	80%	.46*	RTL	2		0	4	27n%			20mt	100m	0	75	1	G06142b	TO86
12	MC9821P	6		MON	80%	.46*	RTL	2		0	4	27n%			20mt	100m	0	75	1	G06142f	TO116
13	MC985F	6		MON	82%	57*	RTL	2		0	4	12n					-55	125	4	G06142b	TO86
14	MC986F	6		MON	82%	57*	RTL	4		0	4	12n					-55	125	2	G06142a	TO86
15	MC9919F	6		MON	82%	57*	RTL	1		0	4	12n%			13mt	100m	-55	125	1	G06142e	TO86
16#	SP228A	6		MON	.84	22	RTL	4	2	0.0	8 0	30n				320m	-55	125	2	G0667a	CN6a
17#	SP249A	6		MON	.84	22	RTL	4	4	0.0	8.0	30n				320m	-55	125	4	G06149	CN23a
18#	SP278A	6		MON	.84	22	RTL	4	2	0	8	30n				320m	-55	125	2	G0667b	FP2
19#	SP299A	6		MON	.84	22	RTL	4	4	0	8	30n				320m	-55	125	4	G06149	FP2
20	MC885F	6		MON	84%	.55*	RTL	2		0	4	12n					0	100	4	G06142b	TO86
21	MC886F	6		MON	.84%	.55*	RTL	4		0	4	12n					0	100	2	G06142a	TO86
22	MC9819F	6		MON	.84%	.55*	RTL	1		0	4	12n%			13mt	100m	0	100	1	G06142e	TO86
23	MC785P	6		MON	.85%	.46*	RTL	2		0.0	3 6	12n			20mt		15	55	4	G06134a	TO116
24	MC786P	6		MON	85%	46*	RTL	4		0 0	4 0	12n			20mt		15	55	2	G06142c	TO116
25	MC9719F	6		MON	85%	.46*	RTL	1		0	4	12n%			13mt	100m	-55	125	1	G06142e	TO86
26	MC9721F	6		MON	.85%	.46*	RTL	2		0.0	4.0	27n			20m%	100m	0	75	1	G06142b	TO86
27	MC9721P	6		MON	.85%	46*	RTL	2		0.0	4.0	27n%			20mt	100m	0	75	1	G06142f	TO116
28	MC9719P	6	18M%	MON	.85%	.46*	RTL	1		0.0	3.6	12n%			100mΔ		15	55	6	G06103	TO116
29	MC885P	6		MON	.85%	.50*	RTL	2		0 0	3.6	12n			20mt		0	75	4	G06134a	TO116
30	MC886P	6		MON	.85%	50*	RTL	4		0.0	4.0	12n			20mt		0	75	2	G06142c	TO116
31	MC9819P	6	18M%	MON	.88%	.50*	RTL	1		0.0	3.6	12n%			100mΔ		0	75	6	G06103	TO116
32#	SP328A	6		MON	1.0	.22	RTL	4	2	0	8	12n				320m	-55	125	2	G0667a	TO78
33#	SP329A	6		MON	1.0	.22	RTL	3†	2	0	8					320m	-55	125	3	G0667c	TO78
34#	SP378A	6		MON	1.0	.22	RTL	4	2	0	8	12n				320m	-55	125	2	G0667b	FP2
35#	SP379A	6		MON	1 0	22	RTL	3†	2	0	8					320m	-55	125	3	G0667c	FP2
36	MC721F	6		MON	1.1	.10	RTL	2	.50	0	4	27n			6.0mt		15	55	2	G06142	TO91
37	MC721G	6		MON	1 1	.10	RTL	2	.50	0	4	27n			6.0mt		15	55	2	G06142	TO99
38	MC785F	6		MON	1 1	.10	RTL	2		0	4	12n			80mt		15	55	4	G06142b	TO86
39	MC786F	6		MON	1.1	.10	RTL	4		0	4	12n			40mt		15	55	2	G06142a	TO86
40	MC9719AP	6	18M%	MON	2.6%	.30*†	RTL	1		0.0	3.6	12n%			100mΔ		15	55	6	G06103	TO116
41	MC785AP	6		MON	2.6%	.50*	RTL	2		0.0	3.6	12n			20m		15	55	4	G06134a	TO116
42	MC885AP	6		MON	2.6%	50*	RTL	2		0.0	3.6	12n			20m		0	75	4	G06134a	TO116
43	MC9819AP	6	18M%	MON	2.6%	.50*†	RTL	1		0.0	3.6	12n%			100mΔ		0	75	6	G06103	TO116
44	N8806A	6		MON			TTL	5Δ		0	5	26n%Δ			8.9mΔ	600m	0	75	2	G06133a	TO116
45	N8806F	6		MON			TTL	5Δ		0.0	5 0	26n%Δ			8.9mΔ	600m	0	75	2	G06133a	M157
46	N8806J	6		MON			TTL	5Δ		0	5	26n%Δ			8.9mΔ	600m	0	75	2	G06133	TO88
47	S8806A	6		MON			TTL	5Δ		0	5	26n%Δ			8.9mΔ	600m	-55	125	2	G06133a	TO116
48	S8806F	6		MON			TTL	5Δ		0.0	5.0	26n%Δ			8.9mΔ	600m	-55	125	2	G06133a	M157
49	S8806J	6		MON			TTL	5Δ		0	5	26n%Δ			8.9mΔ	600m	-55	125	2	G06133	TO88
50	9006DM	6		MON	1.7%	.90*	TTL	4		0 0	5 0	7 0n			10mt	400m	-55	125	2	G0698a	M157
51	9006FM	6		MON	1.7%	.90*	TTL	4		0 0	5.0	7.0n			10mt	400m	-55	125	2	G0698a	FP28b
52#	MIC9006-1D	6		MON	1.7%	90*	TTL	4		0.0	5.0	7.0n			10mt	400m	0	75	2	G0698a	M153a
53#	T106D2-14	6		MON	1.7%	.90*	TTL	5Δ	10	0.0	5.0	4.0nΔ			22mt	400m	-55	125	2	G06159	M105e
54#	T106F2	6		MON	1 7%	90*	TTL	5Δ	10	0.0	5.0	4.0nΔ			22mt	400m	-55	125	2	G06159	FP28c
55♦	TG170F	6		MON	1.7%	1.2*	TTL	5Δ		0.0	5.0				25mt		-55	125	2	G06108	FP21c
56♦	TG170J	6		MON	1.7%	1 2*	TTL	5Δ		0 0	5.0				25mt		-55	125	2	G06108	TO116
57▼	TG171F	6		MON	1.7%	1.2*	TTL	5Δ		0.0	5.0				25mt		-55	125	2	G06108	FP21c
58▼	TG171J	6		MON	1.7%	1.2*	TTL	5Δ		0 0	5 0				25mt		-55	125	2	G06108	TO116
59	SNG270J	6	40M	MON	1.7%	1.2*	TTL	4	11	0.0	5.0	1.0n			7 0m	1 0	-55	125	2	G06111	M157b
60	SNG270W	6	40M	MON	1 7%	1 2*	TTL	4	11	0 0	5.0	1 0n			7.0m	1.0	-55	125	2	G06111	Δ004AF
61	SNG271J	6	40M	MON	1.7%	1 2*	TTL	4	6	0.0	5 0	1.0n			7.0m	1.0	-55	125	2	G06111	M157b
62	SNG271W	6	40M	MON	1.7%	1 2*	TTL	4	6	0 0	5.0	1.0n			7.0m	1.0	-55	125	2	G06111	Δ004AF
63	SNG272J	6	40M	MON	1.7%	1 2*	TTL	4	9	0.0	5.0	1.0n			7.0m	1.0	0	75	2	G06111	M157b
64	SNG272W	6	40M	MON	1.7%	1.2*	TTL	4	9	0.0	5.0	1.0n			7.0m	1.0	0	75	2	G06111	Δ004AF
65	SNG273J	6	40M	MON	1.7%	1.2*	TTL	4	5	0.0	5.0	1.0n			7.0m	1 0	0	75	2	G06111	M157b
66	SNG273W	6	40M	MON	1 7%	1 2*	TTL	4	5	0 0	5.0	1.0n			7.0m	1.0	0	75	2	G06111	Δ004AF
67	TRWG270#1	6	40M	MON	1.7%	1.2	TTL	4	11	0.0	5.0	1.0n			7.0m	1.0	-55	125	2	G06111	M126
68	TRWG270#2	6	40M	MON	1 7%	1.2	TTL	4	11	0.0	5.0	1.0n			7.0m	1 0	-55	125	2	G06111	M157
69	9006DC	6		MON	1 8%	85*	TTL	4		0.0	5 0	7 0n			12mt	400m	0	75	2	G0698a	M157
70	9006FC	6		MON	1 8%	.85*	TTL	4		0.0	5.0	7.0n			12mt	400m	0	75	2	G0698a	FP28b
71#	MIC9006-5D	6		MON	1 8%	85*	TTL	4		0 0	5 0	7 0n			12mt	400m	0	75	2	G0698a	M153a
72#	T106B1-14	6		MON	1 8%	.85*	TTL	5Δ	10	0.0	5.0	5.0nΔ			22mt	400m	0	75	2	G06159c	M105e
73#	T106D1-14	6		MON	1 8%	85*	TTL	5Δ	10	0.0	5 0	5.0nΔ			22mt	400m	0	75	2	G06159c	M105e
74#	T106F1	6		MON	1.8%	.85*	TTL	5Δ	10	0.0	5.0	5.0nΔ			22mt	400m	0	75	2	G06159c	FP28c
75♦	TG270F	6		MON	1.8%	1.1*	TTL	5Δ	15	0.0	5 0				14mt	1.0 Δ	-55	125	2	G06108	FP21c
76♦	TG270J	6		MON	1 8%	1.1*	TTL	5Δ	15	0.0	5.0				14mt	1.0 Δ	-55	125	2	G06108	TO116
77▼	TG271F	6		MON	1 8%	1.1*	TTL	5Δ		0 0	5 0				14mt		-55	125	2	G06108	FP21c
78▼	TG271J	6		MON	1.8%	1.1*	TTL	5Δ		0.0	5.0				14mt		-55	125	2	G06108	TO116
79♦	TG272F	6		MON	1.8%	1.1*	TTL	5Δ	15	0.0	5.0				14mt	1.0 Δ	0	75	2	G06108	FP21c
80♦	TG272J	6		MON	1.8%	1.1*	TTL	5Δ	15	0.0	5.0				14mt	1.0 Δ	0	75	2	G06108	TO116
81▼	TG273F	6		MON	1 8%	1 1*	TTL	5Δ		0 0	5 0				14mt		0	75	2	G06108	FP21c
82▼	TG273J	6		MON	1.8%	1.1*	TTL	5Δ		0.0	5.0				14mt		0	75	2	G06108	TO116
83♦	TG172F	6		MON	1.8%	1 2*	TTL	5Δ		0.0	5.0				25mt		0	75	2	G06108	FP21c
84♦	TG172J	6		MON	1 8%	1.2*	TTL	5Δ		0.0	5.0				25mt		0	75	2	G06108	TO116
85▼	TG173F	6		MON	1.8%	1.2*	TTL	5Δ		0.0	5.0				25mt		0	75	2	G06108	FP21c
86▼	TG173J	6		MON	1.8%	1.2*	TTL	5Δ		0.0	5.0				25mt		0	75	2	G06108	TO116
87#	FJY101	6		MON	2.0%	80*	TTL	5Δ		0.0	5.0	30nΔ			8.0m	400m	0	70	2	G0698b	TO116
88#	FJY101-7460	6		MON	2.0%	.80*	TTL	4	10	0.0	5.0	15n%			8.0mt	1.0 Δ	0	70	2	G0656a	M126f
89#	FJY102A	6		MON	2.0%	.80*	TTL	4	10	0.0	5.0	15n			8.0m	1.0 Δ	-55	125	2	G06133a	TO116
90#	FLY101-7460	6		MON	2 0%	.80*	TTL	5Δ		0 0	5.0	30nΔ		4 0nt	20m§		0	70	2	G0656a	M126p
91#	FLY105-8460	6		MON	2.0%	.80*	TTL	5Δ		0.0	5 0	30nΔ		4.0nt	20m§		-25	85	2	G0656a	M126p
92	ITT5460J	6			2.0%	80*	TTL	5Δ		0 0	5 0	15n			20mt		-55	125	2	G06159a	M157
93	ITT7460J	6			2.0%	.80*	TTL	5Δ		0 0	5.0	15n			20mt		0	70	2	G06159a	M157
94#	M5304P	6		MON	2.0%	.80*	TTL	4		0 0	7 0				4.0mt	1.0 Δ	0	75	2	G0698b	M105j
95#	M53260P	6		MON	2 0%	80*	TTL	4		0.0	7 0				4.0mt	1.0 Δ	0	75	2	G0698b	M105j
96#	MIC74H60J	6		MON	2.0%	.80*	TTL	4		0.0	7.0					1.0 Δ	0	75	2	G0698b	M157
97▼#	MIC74H62J	6		MON	2.0%	.80*	TTL	10		0.0	5.0					1 0 Δ	0	75	1	G06143a	TO116
98#	MIC5460J	6		MON	2.0%	.80*	TTL	5Δ	10	0 0	5.0	30nΔ			8.0mt	400m	-55	125	2	G06159a	TO116
99#	MIC6460J	6		MON	2.0%	.80*	TTL	5Δ	10	0 0	5.0	30nΔ			8.0mt	400m	-40	85	2	G06159a	TO116
100#	MIC7460J	6		MON	2.0%	.80*	TTL	5Δ	10	0.0	5 0	30nΔ			8.0mt	400m	0	75	2	G06159a	TO116
101#	MIC7460N	6		MON	2 0%	.80*	TTL	5Δ	10	0 0	5.0	30nΔ			8 0mt	400m	0	75	2	G06159a	M126
102	N74H60A	6		MON	2 0%	80*	TTL	6Δ		0.0	5 0						0	75	2	G0698b	TO116
103	N74H60J	6		MON	2.0%	80*	TTL	6Δ		0 0	5.0						0	72	2	G0698b	TO88
104	N74H61A	6		MON	2.0%	80*	TTL	3		0.0	5.0						0	75	3	G06157	TO116
105	N74H61J	6		MON	2.0%	.80*	TTL	3		0 0	5.0						0	75	3	G06157	TO88
106	N74H62A	6		MON	2 0%	.80*	TTL	12Δ		0 0	5.0						0	75	1	G06169	TO116
107	N74H62J	6		MON	2 0%	.80*	TTL	12Δ		0 0	5 0						0	75	1	G06169a	TO88
108	N7460A	6			2.0%	.80*	TTL	5Δ	10	0 0	5.0	10n			8.3m%		0	70	1	G0656a	M105q

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPER-ATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPA-GATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	N7460J	6			2.0%	.80*	TTL	5Δ	10	0.0	5.0	10n			8.3m%		0	70	1	G0656c	TO88
2	NC74H60N	6		MON	2.0%	.80*	TTL	4			7.0					1.0 Δ	0	70	2	G0698b	M126
3	NC74H61N	6		MON	2.0%	.80*	TTL	3			7.0					1.0 Δ	0	70	3	G06157	M126
4	NC7460N	6		MON	2.0%	.80*	TTL	4		0.0	7.0	13n			4.0mΔ	1.0	0	70	2		TO116
5	S54H60A	6		MON	2.0%	.80*	TTL	6Δ		0 0	5.0						-55	125	2	G0698b	TO116
6	S54H60J	6		MON	2.0%	.80*	TTL	6Δ		0.0	5.0						-55	125	2	G0698b	TO88
7	S54H61A	6		MON	2.0%	.80*	TTL	3		0.0	5.0						-55	125	3	G06157	TO116
8	S54H61J	6		MON	2.0%	.80*	TTL	3		0.0	5 0						-55	125	3	G06157	TO88
9	S54H62A	6		MON	2.0%	.80*	TTL	12Δ		0.0	5.0						-55	125	1	G06169	TO116
10	S54H62J	6		MON	2.0%	.80*	TTL	12Δ		0.0	5.0						-55	125	1	G06169a	TO88
11	S5460A	6			2.0%	.80*	TTL	5Δ	10	0.0	5.0	10n			8.8m%		-55	125	1	G0656a	M105q
12	S5460J	6			2.0%	.80*	TTL	5Δ	10	0.0	5.0	10n			8.8m%		-55	125	1	G0656c	TO88
13#	SFC460E	6		MON	2.0%	80*	TTL	4	10	0 0	7 0	15n			4.0mΔ	400m*	0	70	2	G0656a	TO116
14#	SFC460EM	6		MON	2.0%	.80	TTL	4	10	0.0	5 0	30nΔ			20mt	1.0 Δ	-55	125	2	G0698	TO116
15#	SFC460ET	6		MON	2.0%	.80	TTL	4	10	0.0	5.0	30nΔ			20mt	1.0 Δ	-25	85	2	G0698	TO116
16♦	SN54H60J	6		MON	2.0%	80*	TTL	4			7					1.0 Δ	-55	125	2	G0698b	M157b
17	SN54H60N	6		MON	2.0%	.80*	TTL	4			7					1.0 Δ	-55	125	2	G0698b	M126
18♦	SN54H60W	6		MON	2.0%	.80*	TTL	4		0.0	5.0				12mt	1.0 Δ	-55	125	2	G0698b	Δ004AA
19♦	SN54H61J	6		MON	2.0%	.80*	TTL	3			7					1.0 Δ	-55	125	3	G06157	M157b
20	SN54H61N	6		MON	2.0%	.80*	TTL	3			7					1.0 Δ	-55	125	3	G06157	M126
21♦	SN54H61W	6		MON	2.0%	.80*	TTL	3		0.0	5.0				25mt	1.0 Δ	-55	125	3	G06157	Δ004AA
22♦	SN54H62J	6		MON	2.0%	.80*	TTL	10			7					1.0 Δ	-55	125	1	G06143a	M157b
23	SN54H62N	6		MON	2.0%	.80*	TTL	10			7					1.0 Δ	-55	125	1	G06143a	M126
24♦	SN54H62W	6		MON	2.0%	.80*	TTL	10		0.0	5.0				25mt	1.0 Δ	-55	125	1	G06143a	Δ004AA
25♦	SN74H60J	6		MON	2.0%	.80*	TTL	4			7					1.0 Δ	0	70	2	G0698b	M157b
26♦	SN74H60N	6		MON	2.0%	.80*	TTL	4			7					1.0 Δ	0	70	2	G0698b	M126e
27	SN74H60W	6		MON	2.0%	.80*	TTL	4		0.0	5.0				12mt	1.0 Δ	0	70	2	G0698b	TO84
28♦	SN74H61J	6		MON	2.0%	.80*	TTL	3			7					1.0 Δ	0	70	3	G06157	M157b
29♦	SN74H61N	6		MON	2.0%	.80*	TTL	3			7					1.0 Δ	0	70	3	G06157	M126e
30	SN74H61W	6		MON	2.0%	.80*	TTL	4		0.0	5.0				12mt	1.0 Δ	0	70	2	G0698b	TO84
31♦	SN74H62J	6		MON	2.0%	.80*	TTL	10			7					1.0 Δ	0	70	1	G06143a	M157b
32♦	SN74H62N	6		MON	2.0%	.80*	TTL	10			7					1.0 Δ	0	70	1	G06143a	M126e
33	SN74H62W	6		MON	2.0%	.80*	TTL	3		0.0	5 0				25mt	1.0 Δ	0	70	3	G06157	TO84
34♦	SN5460J	6		MON	2.0%	.80*	TTL	4	10	0 0	5 0	30nΔ			20mt	1.0 Δ	-55	125	2	G0698	M157b
35	SN5460N	6		MON	2.0%	.80*	TTL	4	10	0 0	5 0	30nΔ			20mt	1.0 Δ	-55	125	2	G0698	TO116
36♦	SN5460W	6		MON	2.0%	.80*	TTL	4	10	0.0	5.0	30nΔ			20mt	1.0 Δ	-55	125	2	G0698	Δ004AA
37#	SN6460N	6		MON	2 0%	.80*	TTL	4		0 0	7.0				4.0mt	1.0	-40	85	2	G0698	M75a
38♦	SN7460J	6		MON	2.0%	.80*	TTL	4	10	0.0	5.0	30nΔ			20mt	1.0 Δ	0	70	2	G0698	M157b
39♦	SN7460N	6		MON	2.0%	.80*	TTL	4		0.0	5.0				4.0mΔ	1.0	0	70	2	G0698	M126e
40#	T7460B1	6		MON	2 0%	.80*	TTL	5Δ	10	0.0	5.0	30nΔ			20mt	1.0	0	70	2	G02172	M126h
41#	TL7460N	6		MON	2.0%	.80*	TTL	4		0 0	5.0	30nΔ			17mt		0	70	2	G0698a	M126n
42	US54H60A	6		MON	2.0%	80*	TTL	4		0.0	5.0	16nΔ				1.0 Δ	-55	125	2	G0698b	M105b
43	US54H60J	6		MON	2.0%	.80*	TTL	4		0 0	5.0	16nΔ				1.0 Δ	-55	125	2	G0698b	TO88
44	US54H61A	6		MON	2.0%	.80*	TTL	3		0.0	5.0	20nΔ				1.0 Δ	-55	125	3	G06157	M105b
45	US54H61J	6		MON	2.0%	.80*	TTL	3		0.0	5.0	20nΔ				1.0 Δ	-55	125	3	G06157	TO88
46	US54H62A	6		MON	2 0%	.80*	TTL	10		0.0	5.0	16nΔ				1 0 Δ	-55	125	1	G06143a	M105b
47	US54H62J	6		MON	2.0%	.80*	TTL	10		0 0	5.0	16nΔ				1.0 Δ	-55	125	1	G06143a	TO88
48	US74H60A	6		MON	2.0%	.80*	TTL	4		0.0	5.0	16nΔ				1.0 Δ	0	70	2	G0698b	M105b
49	US74H60J	6		MON	2.0%	.80*	TTL	4		0.0	5.0	16nΔ				1.0 Δ	0	70	2	G0698b	TO88
50	US74H61A	6		MON	2.0%	.80*	TTL	3		0.0	5 0	20nΔ				1.0 Δ	0	70	3	G06157	M105b
51	US74H61J	6		MON	2 0%	80*	TTL	3		0.0	5 0	20nΔ				1.0 Δ	0	70	3	G06157	TO88
52	US74H62A	6		MON	2.0%	.80*	TTL	10		0 0	5.0	16nΔ				1.0 Δ	0	70	1	G06143a	M105b
53	US74H62J	6		MON	2.0%	.80*	TTL	10		0 0	5.0	16nΔ				1.0 Δ	0	70	1	G06143a	TO88
54	US5460A	6		MON	2.0%	.80*	TTL	4		0.0	5.0	15n					-55	125	2	G06159c	M105b
55	US5460J	6		MON	2.0%	.80*	TTL	4		0.0	5.0	15n					-55	125	2	G06159b	TO88
56	US7460A	6		MON	2.0%	.80*	TTL	4		0.0	5.0	15n					0	70	2	G06159c	M105b
57	US7460J	6		MON	2.0%	.80*	TTL	4		0.0	5.0	15n					0	70	2	G06159b	TO88
58	MC3118F	6		MON	2 4%	40*†	TTL	10		0 0	5.0				40mt		-55	125	1	G06143a	TO86
59	MC3118L	6		MON	2.4%	.40*†	TTL	10		0.0	5.0				40mt		-55	125	1	G06143a	TO116
60	MC3119F	6		MON	2.4%	.40*†	TTL	3		0 0	5.0				25mt		-55	125	3	G06157	TO86
61	MC3119L	6		MON	2 4%	40*†	TTL	3		0.0	5.0				25mt		-55	125	3	G06157	TO116
62	MC3130F	6		MON	2 4%	.40*†	TTL	4		0.0	5.0	1 0n			15mt		-55	125	2	G06159a	TO86
63	MC3130L	6		MON	2.4%	.40*†	TTL	4		0.0	5.0	1.0n			15mt		-55	125	2	G06159a	TO116
64	MCB5460F	6		MON	2 4%	.40*†	TTL	4		0 0	5.0	5.0n			8.0mt		-55	125	2	G06166a	TO86
65	MCBC5460	6		MON	2.4%	.40*†	TTL	4		0.0	5.0	5.0n			8.0mt		-55	125	2	G06166a	FC1
66	MC5460F	6	30MΔ	MON	2.4	.40	TTL	4		0 0	5.0	5 0n			8.0mt		-55	125	2	G06159b	TO86
67	MC5460L	6	30MΔ	MON	2.4	.40	TTL	4		0.0	5 0	5.0n			8.0mt		-55	125	2	G06159c	TO116
68	MC7460F	6	30MΔ	MON	2.4	.40	TTL	4		0.0	5.0	5 0n			8.0mt		0	70	2	G06159b	TO86
69	MC7460L,P%	6	30MΔ	MON	2.4	.40	TTL	4		0 0	5.0	5.0n			8.0mt		0	70	2	G06159c	TO116
70	MC3018F	6		MON	2.5%	.40*†	TTL	10		0 0	5 0				40mt		0	75	1	G06143a	TO86
71	MC3018L,P%	6		MON	2.5%	.40*†	TTL	10		0.0	5.0				40mt		0	75	1	G06143a	TO116
72	MC3019F	6		MON	2.5%	.40*†	TTL	3		0.0	5.0				25mt		0	75	3	G06157	TO86
73	MC3019L,P%	6		MON	2 5%	40*†	TTL	3		0.0	5 0				25mt		0	75	3	G06157	TO116
74	MC3030F	6		MON	2.5%	.40*†	TTL	4		0.0	5.0	1.0n			15mt		0	75	2	G06159a	TO86
75	MC3030L,P%	6		MON	2 5%	.40*†	TTL	4		0.0	5.0	1.0n			15mt		0	75	2	G06159a	TO116
76	MC410F	6		MON	3.3	.26	TTL	4	12	0.0	5.0					900m	0	75	2	G06159	TO86
77	MC410L,P%	6		MON	3.3	.26	TTL	4	12	0 0	5.0					900m	0	75	2	G06159	TO116
78	MC411F	6		MON	3.3	.26	TTL	4	12	0.0	5.0					900m	0	75	2	G06160	TO86
79	MC411L,P%	6		MON	3 3	26	TTL	4	12	0.0	5.0					900m	0	75	2	G06160	TO116
80	MC460F	6		MON	3 3	.26	TTL	4	6	0 0	5 0					900m	0	75	2	G06159	TO86
81	MC460L,P%	6		MON	3.3	.26	TTL	4	6	0 0	5.0					900m	0	75	2	G06159	TO116
82	MC461F	6		MON	3 3	.26	TTL	4	6	0 0	5.0					900m	0	75	2	G06160	TO86
83	MC461L,P%	6		MON	3.3	.26	TTL	4	6	0.0	5.0					900m	0	75	2	G06160	TO116
84	MC510F	6		MON	3 3	.26	TTL	4	15	0.0	5.0					900m	-55	125	2	G06159	TO86
85	MC510L	6		MON	3.3	26	TTL	4	15	0	8					900m	-55	125	2	G06159	TO116
86	MC511F	6		MON	3.3	.26	TTL	4	15	0 0	5.0					900m	-55	125	2	G06160	TO86
87	MC511L	6		MON	3 3	.26	TTL	4	15	0	8					900m	-55	125	2	G06160	TO116
88	MC560F	6		MON	3.3	.26	TTL	4	7	0.0	5 0					900m	-55	125	2	G06159	TO86
89	MC560L	6		MON	3.3	.26	TTL	4	7	0	8					900m	-55	125	2	G06159	TO116
90	MC561F	6		MON	3.3	.26	TTL	4	7	0.0	5.0					900m	-55	125	2	G06160	TO86
91	MC561L	6		MON	3.3	.26	TTL	4	7	0	8					900m	-55	125	2	G06160	TO116
92	SNG290J	6		MON	3.3	.26	TTL	3†	15†	0.0	5.0	10n	5.0n	8.0n	152m	1.0	-55	125	2	G06141	M157b
93	SNG290W	6		MON	3.3	.26	TTL	3†	15†	0.0	5.0	10n	5.0n	8.0n	152m	1.0	-55	125	2	G06141	Δ004AF
94	SNG291J	6		MON	3 3	.26	TTL	3†	7†	0.0	5 0	10n	5.0n	8.0n	152m	1.0	-55	125	2	G06141	M157b
95	SNG291W	6		MON	3 3	.26	TTL	3†	7†	0.0	5.0	10n	5.0n	8.0n	152m	1.0	-55	125	2	G06141	Δ004AF
96	SNG292J	6		MON	3.3	.26	TTL	3†	12†	0.0	5.0	10n	5.0n	8.0n	152m	1.0	0	75	2	G06141	M157b
97	SNG292W	6		MON	3 3	.26	TTL	3†	12†	0.0	5.0	10n	5.0n	8.0n	152m	1.0	0	75	2	G06141	Δ004AF
98	SNG293J	6		MON	3.3	.26	TTL	3†	6†	0.0	5.0	10n	5.0n	8.0n	152m	1.0	0	75	2	G06141	M157b
99	SNG293W	6		MON	3.3	.26	TTL	3†	6†	0.0	5.0	10n	5 0n	8.0n	152m	1.0	0	75	2	G06141	Δ004AF
100♦	TG180F	6		MON	3.3	.26	TTL	5Δ		0.0	5.0	3.0n%					-55	125	2	G0687	FP21c
101♦	TG180J	6		MON	3 3	.26	TTL	5Δ		0.0	5 0	3.0n%					-55	125	2	G0687	TO116
102▼	TG181F	6		MON	3.3	.26	TTL	5Δ		0.0	5.0	3.0n%					-55	125	2	G0687	FP21c
103▼	TG181J	6		MON	3 3	.26	TTL	5Δ		0 0	5 0	3.0n%					-55	125	2	G0687	TO116
104♦	TG182F	6		MON	3 3	.26	TTL	5Δ		0.0	5 0	3.0n%					0	75	2	G0687	FP21c
105♦	TG182J	6		MON	3 3	.26	TTL	5Δ		0.0	5.0	3.0n%					0	75	2	G0687	TO116
106▼	TG183F	6		MON	3.3	.26	TTL	5Δ		0.0	5.0	3 0n%					0	75	2	G0687	FP21c
107▼	TG183J	6		MON	3 3	.26	TTL	5Δ		0 0	5.0	3 0n%					0	75	2	G0687	TO116
108	TRWG290#1	6		MON	3 3	.26	TTL	3†	15†	0 0	5.0	10n	5.0n	8.0n	152m	1.0	-55	125	2	G06141	M157
109	TRWG290#2	6		MON	3 3	.26	TTL	3†	15†	0.0	5.0	10n	5.0n	8.0n	152m	1.0	-55	125	2	G06141	M126
110	SNG150J	6	20M	MON	3.3	.26	TTL	10	15†	0.0	5.0	4.0n			20m	900m	-55	125	1	G06143	M157b

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	SNG150W	6	20M	MON	3.3	.26	TTL	10	15†	0.0	5.0	4 0n			20m	900m	-55	125	1	G06143	Δ004AF
2	SNG151J	6	20M	MON	3.3	.26	TTL	10	7†	0.0	5.0	4.0n			20m	900m	-55	125	1	G06143	M157b
3	SNG151W	6	20M	MON	3.3	.26	TTL	10	7†	0.0	5.0	4.0n			20m	900m	-55	125	1	G06143	Δ004AF
4	SNG152J	6	20M	MON	3.3	.26	TTL	10	12†	0.0	5.0	4.0n			20m	900m	0	75	1	G06143	M157b
5	SNG152W	6	20M	MON	3.3	.26	TTL	10	12†	0 0	5.0	4.0n			20m	900m	0	75	1	G06143	Δ004AF
6	SNG153J	6	20M	MON	3.3	.26	TTL	10	6†	0.0	5.0	4.0n			20m	900m	0	75	1	G06143	M157b
7	SNG153W	6	20M	MON	3.3	.26	TTL	10	6†	0 0	5 0	4.0n			20m	900m	0	75	1	G06143	Δ004AF
8	SNG170J	6	20M	MON	3.3	.26	TTL	4	15†	0.0	5.0	3.0n			5.0m	900m	-55	75	2	G0656	M157b
9	SNG170W	6	20M	MON	3.3	.26	TTL	4	15†	0.0	5.0	3.0n			5.0m	900m	-55	75	2	G0656	Δ004AF
10	SNG171J	6	20M	MON	3.3	.26	TTL	4	7†	0.0	5.0	3.0n			5.0m	900m	-55	75	2	G0656	M157b
11	SNG171W	6	20M	MON	3.3	.26	TTL	4	7†	0 0	5.0	3.0n			5.0m	900m	-55	75	2	G0656	Δ004AF
12	SNG172J	6	20M	MON	3.3	.26	TTL	4	12†	0.0	5.0	3.0n			5.0m	900m	0	75	2	G0656	M157b
13	SNG172W	6	20M	MON	3.3	.26	TTL	4	12†	0.0	5 0	3.0n			5.0m	900m	0	75	2	G0656	Δ004AF
14	SNG173J	6	20M	MON	3.3	26	TTL	4	6†	0 0	5.0	3.0n			5.0m	900m	0	75	2	G0656	M157b
15	SNG173W	6	20M	MON	3.3	26	TTL	4	6†	0.0	5.0	3.0n			5.0m	900m	0	75	2	G0656	Δ004AF
16	SNG180J	6	20M	MON	3.3	.26	TTL	4	15†	0.0	5.0	3.0n				900m	-55	125	2	G0657	M157b
17	SNG180W	6	20M	MON	3.3	.26	TTL	4	15†	0 0	5 0	3 0n				900m	-55	125	2	G0657	Δ004AF
18	SNG181J	6	20M	MON	3.3	.26	TTL	4	7†	0.0	5.0	3.0n				900m	-55	125	2	G0657	M157b
19	SNG181W	6	20M	MON	3.3	.26	TTL	4	7†	0.0	5.0	3.0n				900m	-55	125	2	G0657	Δ004AF
20	SNG182J	6	20M	MON	3.3	.26	TTL	4	12†	0.0	5.0	3.0n				900m	0	75	2	G0657	M157b
21	SNG182W	6	20M	MON	3.3	.26	TTL	4	12†	0.0	5.0	3.0n				900m	0	75	2	G0657	Δ004AF
22	SNG183J	6	20M	MON	3.3	.26	TTL	4	6†	0 0	5.0	3 0n				900m	0	75	2	G0657	M157b
23	SNG183W	6	20M	MON	3.3	.26	TTL	4	6†	0.0	5.0	3.0n				900m	0	75	2	G0657	Δ004AF
24	TRWG150#1	6	20M	MON	3.3	.26	TTL	10	15†	0.0	5.0	4.0n			20m	900m	-55	125	1	G06143	M157
25	TRWG150#2	6	20M	MON	3.3	.26	TTL	10	15†	0.0	5 0	4.0n			20m	900m	-55	125	1	G06143	M126
26	TRWG170#1	6	20M	MON	3.3	.26	TTL	4	15†	0.0	5.0	3 0n			5.0m	900m	-55	75	2	G0656	M157
27	TRWG170#2	6	20M	MON	3.3	.26	TTL	4	15†	0.0	5.0	3.0n			5.0m	900m	-55	75	2	G0656	M126
28	TRWG180#1	6	20M	MON	3.3	.26	TTL	4	15†	0 0	5.0	3.0n				900m	-55	125	2	G0657	M157
29	TRWG180#2	6	20M	MON	3.3	.26	TTL	4	15†	0.0	5.0	3.0n				900m	-55	125	2	G0657	M126
30	RG151D	6		MON	3.4	.20	TTL	10		0.0	5	4.0n			20m†	1.1	-55	125	4	G06143	M105m
31	RG151K	6		MON	3.4	.20	TTL	10		0.0	5	4 0n			20m†	1.1	-55	125	4	G06143	FP28
32	RG152D	6		MON	3.4	.20	TTL	10		0.0	5	4.0n			20m†	1.1	0	75	4	G06143	M105m
33	RG152K	6		MON	3.4	.20	TTL	10		0.0	5	4 0n			20m†	1.1	0	75	4	G06143	FP28
34	RG153D	6		MON	3.4	20	TTL	10		0.0	5	4.0n			20m†	1.1	0	75	4	G06143	M105m
35	RG153K	6		MON	3.4	20	TTL	10		0.0	5	4.0n			20m†	1.1	0	75	4	G06143	FP28
36	RG170D	6		MON	3.4	.20	TTL	4		0.0	5	1.0n			10m†	1.1	-55	125	2	G0656	M105m
37	RG170K	6		MON	3.4	.20	TTL	4		0.0	5	1.0n			10m†	1.1	-55	125	2	G0656	FP28
38	RG171D	6		MON	3.4	.20	TTL	4		0.0	5	1.0n			10m†	1.1	-55	125	2	G0656	M105m
39	RG171K	6		MON	3.4	.20	TTL	4		0.0	5	1.0n			10m†	1.1	-55	125	2	G0656	FP28
40	RG172D	6		MON	3.4	.20	TTL	4		0.0	5	1.0n			10m†	1.1	0	75	2	G0656	M105m
41	RG172K	6		MON	3.4	.20	TTL	4		0.0	5	1.0n			10m†	1.1	0	75	2	G0656	FP28
42	RG173D	6		MON	3.4	20	TTL	4		0.0	5	1.0n			10m†	1.1	0	75	2	G0656	M105m
43	RG173K	6		MON	3.4	.20	TTL	4		0.0	5	1.0n			10m†	1.1	0	75	2	G0656	FP28
44	RG290D	6		MON	3.4	.20	TTL	5		0.0	5.0	7.0n			30m†	1 0	-55	125	2		M105m
45	RG290K	6		MON	3.4	.20	TTL	5		0.0	5	7.0n			30m†	1.0	-55	125	2		FP28
46	RG291D	6		MON	3.4	.20	TTL	5		0.0	5.0	7.0n			30m†	1.0	-55	125	2		M105m
47	RG291K	6		MON	3.4	20	TTL	5		0.0	5.0	7.0n			30m†	1.0	-55	125	2		FP28
48	RG292D	6		MON	3.4	.20	TTL	5		0.0	5.0	7.0n			30m†	1.0	0	75	2		M105m
49	RG292K	6		MON	3.4	.20	TTL	5		0.0	5.0	7.0n			30m†	1.0	0	75	2		FP28
50	RG293D	6		MON	3.4	.20	TTL	5		0.0	5.0	7.0n			30m†	1.0	0	75	2		M105m
51	RG293K	6		MON	3.4	.20	TTL	5		0.0	5.0	7.0n			30m†	1.0	0	75	2		FP28
52	RG150D	6	20	MON	3 4	.20	TTL	10		0.0	5.0	4.0n			20m†	1.1	-55	125	4	G06143	M105m
53	RG150K	6	20	MON	3.4	.20	TTL	10		0 0	5.0	4.0n			20m†	1.1	-55	125	4	G06143	FP28
54#	ZN5460E	6		MON	3.5	.20	TTL	5Δ	10	0.0	5.0	29n			10m	1.0	-55	125	2		M126
55#	ZN5460F	6		MON	3.5	.20	TTL	5Δ	10	0.0	5.0	29n			10m	1.0	-55	125	2		TO86
56#	ZN7460E	6		MON	3.5	.20	TTL	5Δ	10	0.0	5.0	29n			10m	1.0	-55	125	2		M126
57#	ZN7460F	6		MON	3.5	.20	TTL	5Δ	10	0.0	5 0	29n			10m	1 0	-55	125	2		TO86
58	MC2002F	6		MON	3.5	.25†	TTL	10	9	0.0	5.0				28m†		0	75	1	G06143	TO86
59	MC2002L,P%	6		MON	3.5	.25†	TTL	10	9	0.0	5.0				28m†		0	75	1	G06143	TO116
60	MC2006F	6		MON	3.5	.25†	TTL	4	9	0.0	5.0				14m†		0	75	2	G06159	TO86
61	MC2006L,P%	6		MON	3.5	.25†	TTL	4	9	0.0	5.0				14m†		0	75	2	G06159	TO116
62	MC2052F	6		MON	3.5	.25†	TTL	10	5	0.0	5.0				28m†		0	75	1	G06143	TO86
63	MC2052L,P%	6		MON	3.5	25†	TTL	10	5	0.0	5.0				28m†		0	75	1	G06143	TO116
64	MC2056F	6		MON	3.5	.25†	TTL	4	5	0.0	5.0				14m†		0	75	2	G06159	TO86
65	MC2056L,P%	6		MON	3.5	.25†	TTL	4	5	0.0	5.0				14m†		0	75	2	G06159	TO116
66	MC2102F	6		MON	3.5	.25†	TTL	10	11	0.0	5.0				28m†		-55	125	1	G06143	TO86
67	MC2102L	6		MON	3.5	.25†	TTL	10	11	0.0	5.0				28m†		-55	125	1	G06143	TO116
68	MC2106F	6		MON	3.5	.25†	TTL	4	11	0.0	5.0				14m†		-55	125	2	G06159	TO86
69	MC2106L	6		MON	3.5	.25†	TTL	4	11	0.0	5.0				14m†		-55	125	2	G06159	TO116
70	MC2152F	6		MON	3.5	.25†	TTL	10	6	0.0	5.0				28m†		-55	125	1	G06143	TO86
71	MC2152L	6		MON	3.5	.25†	TTL	10	6	0.0	5.0				28m†		-55	125	1	G06143	TO116
72	MC2156F	6		MON	3 5	.25†	TTL	4	6	0.0	5.0				14m†		-55	125	2	G06159	TO86
73	MC2156L	6		MON	3.5	.25†	TTL	4	6	0.0	5.0				14m†		-55	125	2	G06159	TO116
74	MC478F	6		MON	3.5%	1.05*†	TTL	5		0 0	5.0	15nΔ	8.0n	5.0n	15m†		0	75	2	G06165	TO86
75	MC478L,P%	6		MON	3.5%	1.05*†	TTL	5		0.0	5.0	15nΔ	8.0n	5.0n	15m†		0	75	2	G06165	TO116
76	MC528F	6		MON	3.5%	1.05*†	TTL	5		0.0	5.0	15nΔ	8.0n	5.0n	15m†		-55	125	2	G06165	TO86
77	MC528L	6		MON	3.5%	1.05*†	TTL	5		0.0	5.0	15nΔ	8.0n	5.0n	15m†		-55	125	2	G06165	TO116
78	MC578F	6		MON	3.5%	1 05*†	TTL	5		0.0	5.0	15nΔ	8.0n	5.0n	15m†		-55	125	2	G06165	TO86
79	MC578L	6		MON	3.5%	1.05*†	TTL	5		0.0	5.0	15nΔ	8.0n	5.0n	15m†		-55	125	2	G06165	TO116
80	T213	6	15M	PCB	5.0	0 0	TTL	5Δ	1	0.0	5.0	2.0n			64m%	1.0			8	G0694e	CB⍰
81	SNG230J	6,1	40M	MON	1.7%	1.2*	TTL	10		0.0	5.0	2.0n			28m	1.0	-55	125	1	G06109	M157b
82	SNG230W	6,1	40M	MON	1.7%	1 2*	TTL	10		0.0	5.0	2.0n			28m	1.0	-55	125	1	G06109	Δ004AF
83	SNG231J	6,1	40M	MON	1.7%	1.2*	TTL	10		0.0	5.0	2.0n			28m	1.0	-55	125	1	G06109	M157b
84	SNG231W	6,1	40M	MON	1.7%	1.2*	TTL	10		0.0	5.0	2.0n			28m	1.0	-55	125	1	G06109	Δ004AF
85	SNG232J	6,1	40M	MON	1.7%	1.2*	TTL	10		0.0	5.0	2.0n			28m	1.0	0	75	1	G06109	M157b
86	SNG232W	6,1	40M	MON	1.7%	1.2*	TTL	10		0.0	5.0	2.0n			28m	1.0	0	75	1	G06109	Δ004AF
87	SNG233J	6,1	40M	MON	1.7%	1.2*	TTL	10		0.0	5.0	2.0n			28m	1.0	0	75	1	G06109	M157b
88	SNG233W	6,1	40M	MON	1.7%	1.2*	TTL	10		0.0	5.0	2.0n			28m	1.0	0	75	1	G06109	Δ004AF
89	TRWG230#1	6,1	40M	MON	1.7%	1.2	TTL	10		0.0	5.0	2.0n			28m	1.0	-55	125	1	G06109	M126
90	TRWG230#2	6,1	40M	MON	1.7%	1.2	TTL	10		0.0	5.0	2.0n			28m	1.0	-55	125	1	G06109	M157
91♦	TG230F	6,1		MON	1 8%	1 1*	TTL	11Δ	15	0 0	5.0				25m†	1 0 Δ	-55	125	1	G06143	FP21c
92♦	TG230J	6,1		MON	1.8%	1.1*	TTL	11Δ	15	0.0	5.0				25m†	1.0 Δ	-55	125	1	G06143	TO116
93▼	TG231F	6,1		MON	1.8%	1.1*	TTL	11Δ		0 0	5.0				14m†		-55	125	1	G06143	FP21c
94▼	TG231J	6,1		MON	1.8%	1.1*	TTL	11Δ		0.0	5.0				14m†		-55	125	1	G06143	TO116
95♦	TG232F	6,1		MON	1.8%	1.1*	TTL	11Δ	15	0.0	5.0				25m†	1.0 Δ	0	75	1	G06143	FP21c
96♦	TG232J	6,1		MON	1.8%	1.1*	TTL	11Δ	15	0.0	5.0				25m†	1.0 Δ	0	75	1	G06143	TO116
97▼	TG233F	6,1		MON	1.8%	1.1*	TTL	11Δ		0.0	5.0				14m†		0	75	1	G06143	FP21c
98▼	TG233J	6,1		MON	1.8%	1.1*	TTL	11Δ		0.0	5.0				14m†		0	75	1	G06143	TO116
99	MC409F	6,1		MON	3.3	.26	TTL	10	12	0.0	5.0					900m	0	75	1	G06143	TO86
100	MC409L,P%	6,1		MON	3.3	26	TTL	10	12	0.0	5.0					900m	0	75	1	G06143	TO116
101	MC459F	6,1		MON	3.3	.26	TTL	10	6	0.0	5.0					900m	0	75	1	G06143	TO86
102	MC459L,P%	6,1		MON	3.3	.26	TTL	10	6	0.0	5.0					900m	0	75	1	G06143	TO116
103	MC509F	6,1		MON	3.3	.26	TTL	10	15	0.0	5.0					900m	-55	125	1	G06143	TO86
104	MC509L	6,1		MON	3.3	.26	TTL	10	15	0	8					900m	-55	125	1	G06143	TO116
105	MC559F	6,1		MON	3.3	.26	TTL	10	7	0.0	5.0					900m	-55	125	1	G06143	TO86
106	MC559L	6,1		MON	3.3	.26	TTL	10	7	0	8					900m	-55	125	1	G06143	TO116
107♦	TG150F	6F		MON	1.7%	1.2*	TTL	11Δ		0.0	5.0				25m†		-55	125	1	G06109	FP21c
108♦	TG150J	6F		MON	1.7%	1.2*	TTL	11Δ		0.0	5.0				25m†		-55	125	1	G06109	TO116
109▼	TG151F	6F		MON	1.7%	1.2*	TTL	11Δ		0.0	5.0				25m†		-55	125	1	G06109	FP21c
110▼	TG151J	6F		MON	1.7%	1.2*	TTL	11Δ		0.0	5.0				25m†		-55	125	1	G06109	TO116

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. GATES

IN ORDER OF (1)TYPE OF GATE(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1♦	TG152F	6F		MON	1.8%	1.2*	TTL	11Δ		0.0	5.0				25mt		0	75	1	G06109	FP21c
2♦	TG152J	6F		MON	1.8%	1.2*	TTL	11Δ		0.0	5.0				25mt		0	75	1	G06109	TO116
3▼	TG153F	6F		MON	1.8%	1.2*	TTL	11Δ		0.0	5.0				25mt		0	75	1	G06109	FP21c
4▼	TG153J	6F		MON	1.8%	1.2*	TTL	11Δ		0.0	5.0				25mt		0	75	1	G06109	TO116
5♦	MC14519AL#2	7		MOS	9.99%	.01*t	CMS	10	50	0.0	10	85n	75n	75n	100mt	2.2 Δ	-55	125	1	K306	M191
6♦	MC14519AL#3	7		MOS	9.99%	.01*t	CMS	10	50	0.0	10	200n	140n	140n	2.5u%	2.2 Δ	-55	125	1	K306	M191
7♦	MC14519CL#2	7		MOS	9.99%	.01*t	CMS	10	50	0.0	10	85n	110n	110n	100mt	2.2 Δ	-40	85	1	K306	M191
8♦	MC14519CL#3	7		MOS	9.99%	.01*t	CMS	10	50	0.0	10	200n	200n	200n	2.5u%	2.2 Δ	-40	85	1	K306	M191
9▼	MC14519CP#2	7		MOS	9.99%	.01*t	CMS	10	50	0.0	10	85n	110n	110n	100mt	2.2 Δ	-40	85	1	K306	M278
10▼	MC14519CP#3	7		MOS	9.99%	.01*t	CMS	10	50	0.0	10	85n	110n	110n	100m%	2.2 Δ	-40	85	1	K306	M278
11	HD1A4811-9	7	10M	MOS	15	0.0	CMS	2		0.0	15	300nΔ			200m		-40	85	4	G073	TO116
12	HD1A4811-2	7	10M	MOS	18	0.0	CMS	2		0.0	18	170nΔ			200m		-55	125	4	G073	TO116
13	MC1674L	7		MON	-.95%	-1.6†	ECT	2	70	5.2	0.0	2.3n	2.5n	2.2n	250mt		0	75	3	G071	M157a
14	MC1674S	7		MON	-.95%	-1.6*†	ECT	2	70	-5.2	0.0	2.3n	2.5n	2.2n	250mt		0	75	3	G071	FP78
15	MC1675L	7		MON	-.95%	-1.6*†	ECT	2	70	5.2	0.0	2.3n	2.5n	2.2n	250mt		0	75	3	G071	M191
16	MC1675S	7		MON	-.95%	-1.6*†	ECT	2	70	-5.2	0.0	2.3n	2.5n	2.2n	250mt		0	75	3	G071	FP78
17	MC7242F	7		MON		.40*†	TTL	2	10	0.0	5.0	18n%			170mt		0	75	4		TO86
18	MC7242L,P%	7		MON		.40*†	TTL	2	10	0.0	5.0	18n%			170mt		0	75	4		TO116
19	MC8242F	7		MON		.40*†	TTL	2	10	0.0	5.0	18n%			170mt		-55	125	4		TO86
20	MC8242L	7		MON		.40*†	TTL	2	10	0.0	5.0	18n%			170mt		-55	125	4		TO116
21▼	5560A	7	25M	PCB	2.0%	.45*	TTL	2	10	0.0	7.0	14n%	2.0nt	2.5nt	264mt		0	70	12		CB62
22▼	SN54LS266J	7		MON	2.0%	.70*	TTL	2		0.0	5.0	30n			40m%		-55	125	4	G075	M157b
23▼	SN54LS266N	7		MON	2.0%	.70*	TTL	2		0.0	5.0	30n			40m%		-55	125	4	G075	M126e
24▼	SN54LS266W	7		MON	2.0%	.70*	TTL	2		0.0	5.0	30n			40m%		-55	125	4	G075	Δ004AA
25	9386DC	7		MON	2.0%	.80*	TTL	2		0.0	5.0	25nΔ			170mt		0	70	4	G074	M105ad
26	9386DM	7		MON	2.0%	.80*	TTL	2		0.0	5.0	25nΔ			170mt		-55	125	4	G074	M105ad
27	9386FC	7		MON	2.0%	.80*	TTL	2		0.0	5.0	25nΔ			170mt		0	70	4	G074	FP52d
28	9386FM	7		MON	2.0%	.80*	TTL	2		0.0	5.0	25nΔ			170mt		-55	125	4	G074	FP52d
29▼	SN74LS266J	7		MON	2.0%	.80*	TTL	2		0.0	5.0	30n			40m%		-55	125	4	G075	M157b
30▼	SN74LS266N	7		MON	2.0%	.80*	TTL	2		0.0	5.0	30n			40m%		-55	125	4	G075	M126e
31▼	SN74LS266W	7		MON	2.0%	.80*	TTL	2		0.0	5.0	30n			40m%		-55	125	4	G075	Δ004AA
32	MC3122F	7		MON	2.4%	.40*†	TTL	2	8	0.0	5.0	14n			85mt		-55	125	4	G05104	TO86
33	MC3122L	7		MON	2.4%	.40*†	TTL	2	8	0.0	5.0	14n			85mt		-55	125	4	G05104	TO116
34	MC3022F	7		MON	2.5%	.40*†	TTL	2	8	0.0	5.0	14n			85mt		0	75	4	G05104	TO86
35	MC3022L,P%	7		MON	2.5%	.40*†	TTL	2	8	0.0	5.0	14n			85mt		0	75	4	G05104	TO116

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

10. TIME DELAY

IN ORDER OF (1)TIME DELAY(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TIME DELAY TYPE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MIN. DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1#	ZN2010E				3.5	.20	TTL		10	0.0	5 25						-55	125			M☑
2#	ZN2010F				3.5	.20	TTL		10	0.0	5.25						-65	125			FP☑
3#	FLH641-49703	1		MON	2.0%	.80*	TTL	2↑	30	0.0	5.0	260nΔ				1.0 Δ	0	70	6	J011	M117w
4#	FLH645-49803	1		MON	2.0%	.80*	TTL	2↑	30	0.0	5.0	260nΔ				1.0 Δ	-25	85	6	J011	M117w
5	B310	2	10M	PCB	0.0	-3.0		1		0	0	12n					-20	65	4		CB31a
6▼	543	3		PCB	2.0%	.45*	DTL	3	25	0.0	5.0	25n	120n		500m§		0	70	2		CB62
7	B360	3AG	10M	PCB	0.0	-3.0	RTL	1	12	15	10	20n			800m	800m	-20	85	1	J031	CB31
8	D50	4		PCB	2.6%	.50*		3		0	5.0	100n					0	70	3		
9	TMOF2	4	5.0M	PCB	3.3	.22				0.0	5.0	25n*			250m†	1.0 Δ	0	70	2	J0438	
10	TMOF4	4	5.0M	PCB	3.3	.22				0.0	5.0	25n*			500m†	1.0 Δ	0	70	4	J0438	
11	MOF2	4	5.0M	PCB	5.0	0.0		2	8	0	5.0	120n			150m	1.0	0	70	2		CB53
12	MOF4	4	5.0M	PCB	5.0	0.0		2	8	0	5.0	120n			150m	1.0	0	70	4		CB53
13	MIC941-1B	4		MON			DTL	3	10	0	5.5						-55	125	1	J0433a	FP32
14	MIC941-1D	4		MON			DTL	3	10	0	5.5						-55	125	1	J0433a	M75g
15	MIC941-5B	4		MON			DTL	3	10	0	5.0						0	75	1	J0433a	FP32
16	MIC941-5D	4		MON			DTL	3	10	0	5 0						0	75	1	J0433a	M75g
17	MIC951-1B	4		MON			DTL	3Δ	10	0	5.0	100nΔ			40m		-55	125	1	J0429	FP32
18	MIC951-1C	4		MON			DTL	2	10	0	5.0	100nΔ			40m		-55	125	1	J0429	CN38
19	MIC951-1D	4		MON			DTL	3Δ	10	0	5.0	100nΔ			40m		-55	125	1	J0429	M75g
20	MIC951-5B	4		MON			DTL	3Δ	10	0	5.0	100nΔ			42m		0	75	1	J0429	FP32
21	MIC951-5C	4		MON			DTL	2	10	0	5.0	100nΔ			42m		0	75	1	J0429	CN38
22	MIC951-5D	4		MON			DTL	3Δ	10	0	5.0	100nΔ			42m		0	75	1	J0429	M75g
23	MOS1	4	2.0M	PCB	2.0%	.50*	DTL	2	25	5.0	5.0	500n					0	70	3	J0437	CB37c
24	SW751-1P	4	10M†	MON	2.5%	.40*†	DTL	4↑	10	0.0	5.0	25n%			40m†		-55	125	1	J0433a	TO116
25	SW941-1P	4	10M†	MON	2.5%	.40*†	DTL	4↑	10	0.0	5.0	25n%			30m†	1.0	-55	125	1		TO116
26#	9951-9-3I	4		MON	3.2%	.45†*	DTL	4Δ		0.0	5.0	40nΔ					0	75	1	J0433	FP28b
27#	9951-9-6A	4		MON	3.2%	.45†*	DTL	4Δ		0.0	5.0	40nΔ					0	75	1	J0433	M157
28#	9951-9-7A	4		MON	3.2%	.45*†	DTL	4Δ	10	0.0	5.0	40nΔ			54m%	1.0	0	75	1	J0433	M105e
29	SFC951E	4		MON	3.2%	.45†*	DTL	4Δ		0.0	5.0						0	75	1	J0433	M126
30	SW751-2M	4	10M†	MON	3.2%	.45*†	DTL	4↑	10	0.0	5.0	25n%			40m†		0	75	1	J0433a	M105n
31	SW751-2P	4	10M†	MON	3.2%	.45*†	DTL	4↑	10	0.0	5.0	25n%			40m†		0	75	1	J0433a	TO116
32	SW941-2M	4	10M†	MON	3.2%	.45*†	DTL	4↑	10	0.0	5 0	25n%			30m†	1.0	0	75	1		M105n
33	SW941-2P	4	10M†	MON	3.2%	.45*†	DTL	4↑	10	0.0	5.0	25n%			30m†	1.0	0	75	1		TO116
34	I301	4		PCB	5.0	0.0	DTL	2	10	4.8	5.2	90n	50n	25n	200m	1.0	0	70	4		CB☑
35	SN15342J	4		MON	6.5%	5 0*	DTL	5Δ		0.0	13.5	110nΔ			202m%		-30	85	2	J0446	M153a
36	SN15342N	4		MON	6.5%	5.0*	DTL	5Δ		0.0	13.5	110nΔ			202m%		-30	85	2	J0446	M117
37	MC667L,P%	4		MON	12.5%	1.5*†	DTL	1	10	0.0	15	140n†			240m†		-30	75	2	J0440	TO116
38	DM7850D	4		MON	1.7%	.90*	TTL	4	12	0.0	5 0	45n			200m		-55	125			
39	DM7850N	4		MON	1.7%	.90*	TTL	4	12	0.0	5.0	45n			200m		-55	125			
40#	T118B1-14	4		MON	1.7	1.4	TTL	4		0.0	5.0	50nΔ			100m%	400m	0	75	1	J0438	M105e
41#	T118D1-14	4		MON	1.7	1.4	TTL	4		0.0	5.0	50nΔ			100m%	400m	0	75	1	J0438	M105e
42#	T118D2-14	4		MON	1.7	1.4	TTL	4	10	0.0	5.0	50nΔ			125m%	400m	-55	125	1	J0438	M105e
43#	T118F1	4		MON	1.7	1.4	TTL	4		0.0	5.0	50nΔ			100m%	400m	0	75	1	J0438	FP28c
44#	T118F2	4		MON	1.7	1.4	TTL	4	10	0.0	5.0	50nΔ			125m%	400m	-55	125	1	J0438	FP28c
45	9601FC	4		MON	1.8%	.85*	TTL	4	12	0.0	5.0	45n			200m		0	75	1	J0438	FP28b
46	DM8850D	4		MON	1.8%	.85*	TTL	4	12	0.0	5.0	45n			200m		0	75			
47	DM8850N	4		MON	1.8%	.85*	TTL	4	12	0.0	5.0	45n			200m		0	75			
48▼	546	4		PCB	2.0%	.45*	TTL	5	8	0.0	5.0	40n			500m†		0	70	4		CB62
49▼	5540	4		PCB	2.0%	.80*	TTL	9	10	0.0	5.0	50n			460m†		0	70	4		CB62
50	SN54L121J	4		MON	2.0%	.80*	TTL	3	20	0.0	5.0	160nΔ			45m%	1.2 Δ	-55	125	1	J0447	M157b
51	SN54L121N	4		MON	2.0%	.80*	TTL	3	20	0.0	5.0	160nΔ			45m%	1.2 Δ	-55	125	1	J0447	M126e
52	SN54L121T	4		MON	2.0%	.80*	TTL	3	20	0.0	5.0	160nΔ			45m%	1.2 Δ	-55	125	1	J0447	FP52e
53	SN74L121J	4		MON	2.0%	.80*	TTL	3	20	0.0	5.0	160nΔ			45m%	1.2 Δ	0	70	1	J0447	M157b
54	SN74L121N	4		MON	2.0%	.80*	TTL	3	20	0.0	5.0	160nΔ			45m%	1.2 Δ	0	70	1	J0447	M126e
55	SN74L121T	4		MON	2.0%	.80*	TTL	3	20	0.0	5.0	160nΔ			45m%	1 2 Δ	0	70	1	J0447	FP52e
56▼	SN29601J	4		MON	2.0%	.80*	TTL	4	20	0.0	5.0	40nΔ			115m%		0	75	1	J0438	M157b
57▼	SN29601N	4		MON	2.0%	.80*	TTL	4	20	0.0	5.0	40nΔ			115m%		0	75	1	J0438	M126e
58#	ZN1010E	4			2.0%	.80*	TTL	3	10	0.0	5.25	35n					-55	125	1	J0442	M105ac
59#	ZN1010F	4			2.0%	.80*	TTL	3	10	0.0	5.25	35n					-65	125	1	J0442	TO86
60	MIC9601-1B	4	10M	MON	2.0%	.80*	TTL	4	16	0	5.0	50nΔ					-55	125	1	J0438	FP32
61	MIC9601-1D	4	10M	MON	2.0%	.80*	TTL	4	16	0	5.0	50nΔ					-55	125	1	J0438	TO116
62	MIC9601-5B	4	10M	MON	2.0%	.80*	TTL	4	16	0	5.0	50nΔ					0	75	1	J0438	FP32
63	MIC9601-5D	4	10M	MON	2.0%	.80*	TTL	4	16	0	5.0	50nΔ					0	75	1	J0438	TO116
64	9941DM	4		MON	2.0%	.85*	TTL	4Δ	20	0.0	5.0	40nΔ			54m		-55	125	1	J0433a	M157
65	9941FM	4		MON	2.0%	.85*	TTL	4Δ	20	0.0	5.0	40nΔ			54m		-55	125	1	J0433a	FP28b
66	9941HM	4		MON	2.0%	.85*	TTL	4Δ	20	0.0	8 0						-55	125	1	J0433a	TO100
67	9951DM	4		MON	2.0%	.85*	TTL	4Δ		0.0	5.0					1.0 Δ	-55	125	1	J0433	M157
68	9951FM	4		MON	2.0%	.85*	TTL	4Δ		0.0	5.0					1.0 Δ	-55	125	1	J0433	FP28c
69	9951HM	4		MON	2.0%	.85*	TTL	4Δ	20	0.0	8.0						-55	125	1	J0433	TO100
70	540T	4	20M	PCB	5.5	0	TTL	1	30	0	5.0	60n					0	70	2		
71#	SFC4122E	4.5		MON	2.0%	.80*	TTL	5	10	0.0	5.0	40nΔ			154m	1.0	0	70	1	J0444	TO116
72#	SFC4122EM	4.5		MON	2.0%	.80*	TTL	5	10	0.0	5.0	40nΔ			154m	1.0	-55	125	1	J0444	TO116
73#	SFC4122ET	4.5		MON	2.0%	.80*	TTL	5	10	0.0	5.0	40nΔ			154m	1.0	-25	85	1	J0444	TO116
74#	SFC4122PM	4.5		MON	2.0%	.80*	TTL	5	10	0.0	5.0	40nΔ			154m	1.0	-55	125	1	J0444	TO85
75#	M53323P	4.5		MON	2.4	.40	TTL	3	10	0.0	5.0	65n			347m	1.0	0	75	2	J0444	M153b
76▼	5546	4,5		PCB	2.0%	.80*	TTL	5	10	0.0	5.0	30n			920m†		0	70	8		CB62
77▼	AM26123DC	4,5		MON	2.0%	.80*	TTL	3	10	0.0	5.0	65nΔ			347m	1.0	0	70	2	J0582a	M224c
78▼	AM26123DM	4,5		MON	2.0%	.80*	TTL	3	10	0.0	5.0	65nΔ			347m	1.0	-55	125	2	J0582a	M224c
79▼	AM26123FM	4,5		MON	2.0%	.80*	TTL	3	10	0.0	5.0	65nΔ			347m	1.0	-55	125	2	J0582a	FP79b
80▼	AM26123PC	4,5		MON	2.0%	.80*	TTL	3	10	0.0	5.0	65nΔ			347m	1.0	0	70	2	J0582a	M357
81#	MIC54122AJ	4,5		MON	2.0%	.80*	TTL	5	10	0.0	5.0	65n			154m§	1.0	-55	125	1	J0444	TO116
82#	MIC54123AJ	4,5		MON	2.0%	.80*	TTL	3	10	0.0	5.0	65n			363m§	1.0	-55	125	2	J0445	M153a
83#	MIC64122AJ	4,5		MON	2.0%	.80*	TTL	5	10	0.0	5.0	65n			147m§	1.0	-40	85	1	J0444	TO116
84#	MIC64123AJ	4,5		MON	2.0%	.80*	TTL	3	10	0.0	5.0	65n			347m§	1.0	-40	85	2	J0445	M153a
85#	MIC74122AJ	4,5		MON	2.0%	.80*	TTL	5	10	0.0	5 0	65n			147m§	1.0	0	75	1	J0444	TO116
86#	MIC74122AN	4,5		MON	2.0%	.80*	TTL	5	10	0.0	5.0	65n			147m§	1.0	0	75	1	J0444	TO116
87#	MIC74123AJ	4,5		MON	2.0%	.80*	TTL	3	10	0.0	5.0	65n			347m§	1.0	0	75	2	J0445	M153a
88#	MIC74123AN	4,5		MON	2.0%	.80*	TTL	3	10	0.0	5.0	65n			347m§	1.0	0	75	2	J0445	M153a
89#	SFC4123E	4,5		MON	2.0%	80*	TTL	5	20	0.0	5.0	40nΔ	40n☑		363m	1.0	0	70	2	J0448	M117
90#	SFC4123EM	4,5		MON	2.0%	.80*	TTL	5	20	0.0	5.0	40nΔ	40n☑		363m	1.0	-55	125	2	J0448	M117
91#	SFC4123ET	4,5		MON	2.0%	.80*	TTL	5	20	0.0	5.0	40nΔ	40n☑		363m	1.0	-25	85	2	J0448	M117
92	SW54122J	4,5		MON	2.0%	.80*	TTL	5	10	0.0	5.5	65n			154m	1.0	-55	125	1	J0444	M114
93	SW54123J	4,5		MON	2.0%	.80*	TTL	3	10	0.0	5.5	65n			363m	1.0	-55	125	2	J0445	M153
94	SW74122J	4,5		MON	2.0%	.80*	TTL	5	10	0.0	5.25	65n			154m	1.0	0	70	1	J0444	M114
95	SW74122N	4,5		MON	2.0%	.80*	TTL	5	10	0.0	5.25	65n			147m	1.0	0	70	1	J0444	M105n
96	SW74123J	4,5		MON	2.0%	.80*	TTL	3	10	0.0	5.25	65n			347m	1.0	0	70	2	J0445	M153
97	SW74123N	4,5		MON	2.0%	.80*	TTL	3	10	0.0	5.25	65n			347m	1.0	0	70	2	J0445	M105n
98#	TL74122N	4,5		MON	2 0%	.80*	TTL	8	20	0.0	5.0	40n			147m†		0	70	1	J0444	M126n
99#	TL74123N	4,5		MON	2.0%	.80*	TTL	3	20	0.0	5.0	40n			341m†		0	70	2	J0445	M117u
100#	TL84123N	4,5		MON	2.0%	.80*	TTL	3	20	0.0	5.0	40n			341m†		-25	85	2	J0445	M117u
101	SN54122J	4,5		MON	2.4	.40	TTL	5	10	0.0	5.0	65n			154m	1.0	-55	125	1	J0444	M157b
102♦	SN54122W	4,5		MON	2.4	.40	TTL	5	10	0.0	5.0	65n			154m	1.0	-55	125	1	J0444	Δ004AA
103♦	SN54123J	4,5		MON	2.4	.40	TTL	3	10	0.0	5 0	65n			363m	1.0	-55	125	2	J0445	M153d
104	SN54123N	4,5		MON	2.4	40	TTL	3	10	0.0	5.0	65n			363m	1.0	-55	125	2	J0444	M117m
105♦	SN54123W	4,5		MON	2.4	.40	TTL	3	10	0.0	5.0	65n			363m	1.0	-55	125	2	J0445	Δ004AG
106	SN74122J	4,5		MON	2.4	.40	TTL	5	10	0.0	5.0	65n			147m	1 0	0	70	1	J0444	M157b
107▼	SN74122N	4,5		MON	2.4	.40	TTL	5	10	0.0	5.0	65n			147m	1.0	0	70	1	J0444	M126e
108	SN74122W	4,5		MON	2.4	.40	TTL	5	10	0.0	5.0	65n			147m	1.0	0	70	1	J0444	Δ004AF
109♦	SN74123J	4,5		MON	2 4	.40	TTL	3	10	0.0	5.0	65n			347m	1.0	0	70	2		M153d
110♦	SN74123N	4,5		MON	2.4	.40	TTL	3	10	0.0	5 0	65n			347m	1 0	0	70	2	J0445	M117x

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

10. TIME DELAY

IN ORDER OF (1)TIME DELAY(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TIME DELAY TYPE	5 MAX OPER-ATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL 3 '1' (V)	4 '0' (V)	TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MIN. DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	SN74123W	4,5		MON	2.4	.40	TTL	3	10	0 0	5.0	65n			347m	1.0	0	70	2	J0445	Δ004AG
2	540Δ	4F	5.0M	PCB	5.0	.45	DTL	4	12	0	5.0	75n					0	70	2	J0572	CB55
3	LM122F	5			0 0	1.6		6		0.0	40	3.0u			500m		-55	125	1	J05100	FP96
4	LM122H	5			0.0	1.6		6		0.0	40	3.0u			500m		-55	125	1	J05100	CN23b
5	LM222H	5			0.0	1.6		6		0.0	40	3.0u			500m		-25	85	1	J05100	CN23b
6	LM322H	5			0.0	1 6		6		0 0	40	3 0u			500m		0	70	1	J05100	CN23b
7	LM322N	5			0.0	1.6		6		0.0	40	3.0u			500m		0	70	1	J05100	M344
8	LM2905N	5			0.0	1.6		4		0.0	40	3.0m$			500m		-40	85	1	J05100a	M239b
9	LM3905N	5			0.0	1.6		4		0.0	40	3.0m$			500m		0	70	1	J05100a	M239b
10	TMOA2	5	5.0M	PCB	3.3	.22				0.0	5.0	25n*			250m†	1.0 Δ	0	70	2	J0438	
11	TMOA4	5	5.0M	PCB	3.3	.22				0.0	5.0	25n*			500m†	1.0 Δ	0	70	4	J0438	
12	N8162A	5		MON	3.4%	.40†*		7	12	0	5.0	52n%Δ		50n	100m	1.4	0	75	1	J0571	TO116
13	N8162F	5		MON	3.4%	.40†*		7	12	0.0	5.0	52n%Δ		50n	100m	1.4	0	75	1	J0571	M157
14	N8162J	5		MON	3.4%	.40†*		7	12	0	5.0	52n%Δ		50n	100m	1.4	0	75	1	J0571	TO88
15	S8162A	5		MON	3.4%	.40†*		7	12	0	5.0	52n%Δ		50n	100m	1.4	-55	125	1	J0571	TO116
16	S8162F	5		MON	3.4%	.40†*		7	12	0.0	5.0	52n%Δ		50n	100m	1.4	-55	125	1	J0571	M157
17	S8162J	5		MON	3.4%	.40†*		7	12	0	5.0	52n%Δ		50n	100m	1.4	-55	125	1	J0571	TO88
18	SP362A	5		MON	3 5%	.40*			5	0.0	5.0	35n%		40n†	125m		0	75	1	J0579	MØ
19	MOA2	5	5.0M	PCB	5 0	0.0		2	8	0.0	5.0	120n			150m	1.0	0	70	2		CB53
20	MOA4	5	5.0M	PCB	5.0	0.0		2	8	0.0	5.0	120n			150m	1.0	0	70	2		CB53
21	LCE706	5	1.0M	MOH	6.0	0.0†				6.0	12	30n					-15	65	1		M45
22	LCE306	5	3.0M	MOH	6.0	0.0†				6.0	12	25n	50n	60n	40m		-40	100	1	J0525	CN27
23	LCE406	5	3 0M	MOH	6.0	0.0†				6.0	12	25n			200m		-40	100	1	J0526	M45
24	LCE506	5	5.0M	MOH	6.0	0.0†				6.0	12	25n					-30	80	1		M45
25	MC14528AL	5		MOS	9.99%	.01*†		3		0.0	10	230n%	240n†	240n†	20u%		-55	125	2	J0582	M191
26	MC14528CL	5		MOS	9.99%	.01*†		3		0.0	10	230n%	240n†	240n†	200u%		-40	85	2	J0582	M191
27	MC14528CP	5		MOS	9.99%	.01*†		3		0.0	10	230n%	240n†	240n†	200u%		-40	85	2	J0582	M278
28	SCL4528AD	5		MOS	10	0.0†		3		0.0	10	175n	75n	75n	20u†	4.5	-55	125	2	J0582	Δ002AE
29	SCL4528AE	5		MOS	10	0.0†		3		0 0	10	175n	75n	75n	20u†	4.5	-40	85	2	J0582	Δ001AC
30	SCL4528AF	5		MOS	10	0.0†		3		0.0	10	175n	75n	75n	20u†	4.5	-55	125	2	J0582	Δ004AG
31	LM555CH#1	5			12.5	2.5†		5		0.0	15	10u$	100n†	100n†	600m		0	70	1	J0598	CN13
32	LM555CN#1	5			12.5	2 5†		5		0.0	15	10u$	100n†	100n†	600m		0	70	1	J0598	M239b
33	LM555H#1	5			12 5	2.5†		5		0.0	15	10u$	100n†	100n†	600m		-55	125	1	J0598	CN13
34	D4415	5	3.0M		13	1 5		1	10	1.0	18		20n	20n		5.0	0	50			
35#	MIC342-1D	5		MON			DTL			0.0	12						-55	125	2		M153a
36#	MIC342-1D1	5		MON			DTL			0.0	15						-55	125	2		M153a
37#	MIC342-5D	5		MON			DTL			0.0	12						-30	85	2		M153a
38#	MIC342-5D1	5		MON			DTL			0.0	15						-30	85	2		M153a
39	SW951-1P	5	10M†	MON		.30†	DTL	3Δ	10	0.0	5.0	25n%			30m†	1.0	-55	125	1	J0574	TO116
40	SW951-2M	5	10M†	MON		.30†	DTL	3Δ	10	0.0	5 0	25n%			30m†	1.0	0	75	1	J0574	M105n
41	SW951-2P	5	10M†	MON		.30†	DTL	3Δ	10	0.0	5.0	25n%			30m†	1.0	0	75	1	J0574	TO116
42	SW728-1P	5	10M†	MON	1.8%	1.2*	DTL	5	16	0.0	5.0	25n%			35m†	1.0	-55	125	1	J0550	TO116
43	SW728-2M	5	10M†	MON	1.8%	1.2*	DTL	5	16	0.0	5.0	25n%			35m†	1.0	0	75	1	J0550	M105n
44	SW728-2P	5	10M†	MON	1.8%	1.2*	DTL	5	16	0.0	5.0	25n%			35m†	1.0	0	75	1	J0550	TO116
45	D4020	5	5.0M	PCB	2.0%	.95*	DTL	2	10	0.0	5.0	100n	50n†	15n†	200m	1.0 Δ	0	75	2		CBØ
46	RM288D	5		MON	2.0%	1.0*	DTL	2	11†	0.0	6.0	100nΔ			75m		-55	125	1	J0576	M105w
47	RM288T	5		MON	2.0%	1.0*	DTL	2	11†	0.0	6.0	100nΔ			75m		-55	125	1	J0576	CN12a
48	RM951D	5		MON	2 0%	1.0*	DTL	6	10	0	5.0				35m†		-55	125	1		M105m
49	RM951J	5		DTL	2.0%	1.0*	DTL	6	10	0	5.0				35m†		-55	125	1		FP28
50	RM951Q	5		DTL	2.0%	1 0*	DTL	6	10	0	5.0				35m†		-55	125	1		FP26b
51	RM951T	5		DTL	2.0%	1.0*	DTL	6	10	0	5.0				35m†		-55	125	1		TO101
52	SN5380	5		MON	2.5%	.30*	DTL	2	10	0	7.0	100n	60n	60n	52m		-55	125	1	J0542a	TO89
53	SN15851	5		MON	2.5%	.45*	DTL	3Δ	20	0	8 0	50n			20m†		0	75	1	J0563	TO84
54	SN15851N	5		MON	2.5	.45	DTL	3Δ	10	0	8.0	50n			20m†		0	75	1	J0563	M75a
55	MC951F	5		MON	2.6%	.40*	DTL	3Δ	10	0.0	5.0	40n			30m†		-55	125	1	J0545	TO86
56	MC951G	5		MON	2.6%	.40*	DTL	2Δ	10	0.0	5.0	40n			30m†		-55	125	1	J0545a	TO100
57	MC951L	5		MON	2.6%	.40*	DTL	3Δ	10	0.0	5.0	40n			30m†		-55	125	1	J0545	TO116
58	SN15951N	5		MON	2.6%	.40†*	DTL	3	10	0.0	5.0	50nΔ			20m†		-55	125	1	J0563	M126a
59	MC851F	5		MON	2.6%	.45*	DTL	3Δ	10	0 0	5.0	40n			30m†		0	75	1	J0545	TO86
60	MC851G	5		MON	2.6%	.45*	DTL	2Δ	10	0 0	5.0	40n			30m†		0	75	1	J0545a	TO100
61	MC851L,P%	5		MON	2.6%	.45*	DTL	3Δ	10	0.0	5.0	40n			30m†		0	75	1	J0545	TO116
62	SN15951	5		MON	2.6	.45*†	DTL	3Δ	20	0	8.0	90n			20m†		-55	125	1	J0563	TO84
63	SN7380	5		MON	4.0*	.40*	DTL	2	10	0	7.0	100n	60n	60n	40m		0	70	1	J0542a	TO89
64	K303	5	100k	PCB	5.0	0	DTL	2	15	0	5.0	5.0u				1.6	-20	65	3		
65	I302	5		PCB	5.0	0 0	DTL	2	10	4.8	5.2	90n	50n	25n	100m	1.0	0	70	2		CBØ
66	I311	5		PCB	5.0	0 0	DTL	1	8	4.8	5.2	90n	50n	25n	60m	1.0	0	70	2	J0575	CBØ
67	342AJ	5		MON	6.5*	5.0%	DTL	5	5	0 0	15	260nΔ			345m†	3.2	-30	70	2	J0549	M319
68	342AL	5		MON	6.5*	5.0%	DTL	5	5	0 0	15	260nΔ			345m†	3.2	-30	70	2	J0549	M200j
69	342BL	5		MON	6.5*	5.0%	DTL	5	5	0.0	12	260nΔ			204m†	3.5	-55	125	2	J0549	M200j
70	342CL	5		MON	6.5*	5 0%	DTL	5	5	0 0	12	260nΔ			204m†	3.5	-30	85	2	J0549	M200j
71	342ML	5		MON	6.5*	5 0%	DTL	5	5	0.0	15	260nΔ			345m†	3.2	-55	125	2	J0549	M200j
72▼	347AJ	5		MON	6 5*	5.0%	DTL	5	5	0.0	15	200n				3.2	-30	70	2	J05102	M319
73▼	347AL	5		MON	6.5*	5.0%	DTL	5	5	0 0	15	200n				3.2	-30	70	2	J05102	M200j
74♦	347BL	5		MON	6.5*	5.0%	DTL	5	5	0.0	12	200n				3.5	-55	125	2	J05102	M200j
75▼	347CJ	5		MON	6.5*	5 0%	DTL	5	5	0.0	12	200n				3.5	-30	85	2	J05102	M319
76▼	347CL	5		MON	6 5*	5 0%	DTL	5	5	0.0	12	200n				3.5	-30	85	2	J05102	M200j
77▼	347ML	5		MON	6 5*	5 0%	DTL	5	5	0.0	15	200n				3.2	-55	125	2	J05102	M200j
78	ITT342-1D	5			6.5	5.0	DTL	6		0.0	12	150nΔ					-55	125	2	J0596	M200d
79	ITT342-5D	5			6.5	5.0	DTL	6		0.0	12	140nΔ					-30	85	2	J0596	M200d
80	342CJ	5		MON	11.3	1 2†	DTL	2Δ	5	0.0	12	140nΔ			200m	5.0 Δ	-30	85	2	J0549	M172
81	R303	5	2 0M	PCB	0.0	-3.0	RCT	3		15	10	3.5u					-20	65	1	B038aa	CB31a
82	SN518B	5		MON	2.5%	.30*	RCT	1	5	0	8.0	650nΔ	330n	1.2	15m	200m	-55	125	1	J0544	FP22
83	SNR518	5		MON	2 5%	.30*	RCT	1	5	0	8.0	650nΔ	330n	1.2	15m	200m	-55	125	1	J0544	FP22
84▼	9600DM	5		MON	1.7%	.90*	TTL	5		0 0	5 0	80nΔ			130m%		-55	125	1	J0586	M297d
85▼	9600FM	5		MON	1.7%	.90*	TTL	5		0.0	5.0	80nΔ			130m%		-55	125	1	J0586	FP106
86♦	9601DM	5		MON	1 7%	.90*	TTL	4	12	0.0	5.0	75nΔ			100m%		-55	125	1	J0438	M297d
87♦	9601FM	5		MON	1.7%	.90*	TTL	4	12	0.0	5.0	75nΔ			100m%		-55	125	1	J0438	FP106
88♦	9602DM	5		MON	1.7%	.90*	TTL	2	16	0.0	5 0	75nΔ			260m%	400m	-55	125	2	J0582	M224c
89♦	9602FM	5		MON	1.7%	.90*	TTL	2	16	0 0	5 0	75nΔ			260m%	400m	-55	125	2	J0582	FP79b
90▼	AM2600DM	5		MON	1.7%	.90*	TTL	5		0.0	5.0	75nΔ			130m%		-55	125	1	J0586	M297d
91▼	AM2600FM	5		MON	1 7%	.90*	TTL	5		0.0	5.0	75nΔ			130m%		-55	125	1	J0586	FP106
92▼	AM2602DM	5		MON	1.7%	.90*	TTL	2	16	0.0	5 0	75nΔ			250m%	1.0	-55	125	2	J0582	M224c
93▼	AM2602FM	5		MON	1.7%	.90*	TTL	2	16	0 0	5 0	75nΔ			250m%	1.0	-55	125	2	J0582	FP79b
94	MC9601F	5		MON	1 7	.90	TTL	4	6	0.0	5.0	25n			80m†		-55	125	1	J0581	TO86
95	MC9601L	5		MON	1 7	.90	TTL	4	6	0 0	5.0	25n			80m†		-55	125	1	J0581	TO116
96#	MIC9602-1D	5		MON	1.7%	.90*	TTL	6	4	0.0	5.0	45n			175m		-55	125	2	J0582	M153a
97	RF9601DC	5	10M	MON	1.7%	.90*	TTL	4		0.0	5.0	40nΔ					-55	125	1	J0438	M105y
98	RF9601K	5	10M	MON	1.7%	.90*	TTL	4		0.0	5.0	40nΔ					-55	125	1	J0438	FP21g
99	RF9601P	5	10M	MON	1.7%	.90*	TTL	4		0.0	5 0	40nΔ					-55	125	1	J0438	M105y
100	SW9601-1M	5	20M	MON	1 7%	.90*	TTL	4		0.0	5 0	65n			270m%		-55	125	1		M105n
101	SW9601-1P	5	20M	MON	1.7%	.90*	TTL	4		0.0	5 0	65n			270m%		-55	125	1		M153
102	SW9602-1P	5	20M	MON	1.7%	.90*	TTL	4		0.0	5.0	80n			280m%		-55	125	2	J0582	M153
103▼	9600DC	5		MON	1 8%	.85*	TTL	5		0.0	5.0	80nΔ			120m%		0	75	1	J0586	M297d
104▼	9600PC	5		MON	1.8%	.85*	TTL	5		0.0	5.0	80nΔ			120m%		0	75	1	J0586	M344a
105♦	9601DC	5		MON	1.8%	.85*	TTL	4	12	0.0	5.0	75nΔ			100m%		0	75	1	J0438	M297d
106▼	9601PC	5		MON	1.8%	.85*	TTL	4	12	0.0	5.0	75nΔ			100m%		0	75	1	J0438	M344a
107♦	9602DC	5		MON	1 8%	.85*	TTL	2	16	0.0	5.0	80nΔ			225m%	400m	0	75	2	J0582	M224c
108	9602FC	5		MON	1.8%	.85*	TTL	6	4	0.0	5.0	45n			175m	400m	0	75	2	J0582	FP47b
109▼	9602PC	5		MON	1 8%	.85*	TTL	2	16	0.0	5.0	80nΔ			225m%		0	75	2	J0582	M357
110▼	AM2600DC	5		MON	1 8%	.85*	TTL	5		0.0	5.0	75nΔ			120m%		0	75	1	J0586	M297d

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

10. TIME DELAY

IN ORDER OF (1)TIME DELAY(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TIME DELAY TYPE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MIN. DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1▼	AM2600PC	5		MON	1.8%	.85*	TTL	5		0.0	5 0	75nΔ			120m%		0	75	1	J0586	M344a
2▼	AM2602DC	5		MON	1.8%	.85*	TTL	2	16	0 0	5.0	80nΔ			225m%	1 0	0	70	2	J0582	M224c
3▼	AM2602PC	5		MON	1.8%	.85*	TTL	2	16	0.0	5.0	80nΔ			225m%	1 0	0	70	2	J0582	M357
4	MC8601F	5		MON	1.8	.85	TTL	4	8	0.0	5.0	25n			80m†		0	75	1	J0581	TO86
5	MC8601L,P%	5		MON	1.8	.85	TTL	4	6	0.0	5 0	25n			80m†		0	75	1	J0581	TO116
6#	MIC9602-5D	5		MON	1.8%	.85*	TTL	6	4	0.0	5.0	45n			175m		0	75	2	J0582	M153a
7	RF8601DC	5	10M	MON	1.8%	.85*	TTL	4		0.0	5.0	40nΔ					0	75	1	J0438	M105y
8	RF8601K	5	10M	MON	1.8%	.85*	TTL	4		0.0	5.0	40nΔ					0	75	1	J0438	FP21g
9	RF8601P	5	10M	MON	1.8%	.85*	TTL	4		0.0	5.0	40nΔ					0	75	1	J0438	M105y
10	SW9601-2M	5	20M	MON	1.8%	.85*	TTL	4		0.0	5.0	65n			270m%		0	75	1		M105n
11	SW9601-2P	5	20M	MON	1.8%	.85*	TTL	4		0.0	5.0	65n			270m%		0	75	1		M153
12	SW9602-2P	5	20M	MON	1.8%	.85*	TTL	4		0.0	5.0	80n			280m%		0	75	2	J0582	M153
13▼	546A	5		PCB	2.0%	45*	TTL	5	8	0.0	5 0	40n			500m†		0	70	4		CB62
14▼	96L02DC	5		MON	2.0%	.70*	TTL	2		0.0	5.0	110n$			80m%		0	75	2	J0582	M224c
15▼	96L02DM	5		MON	2.0%	.70*	TTL	2		0.0	5.0	110n$			80m%		-55	125	2	J0582	M224c
16▼	96L02FM	5		MON	2.0%	.70*	TTL	2		0.0	5.0	110n$			80m%		-55	125	2	J0582	FP79b
17▼	96L02PC	5		MON	2.0%	.70*	TTL	2		0.0	5.0	110n$			80m%		0	75	2	J0582	M357
18▼	AM26L02DC	5		MON	2.0%	.70*	TTL	2		0.0	5.0	110n$			80m%	1.0	0	70	2	J0582	M224c
19▼	AM26L02DM	5		MON	2.0%	.70*	TTL	2		0 0	5.0	110n$			80m%	1.0	-55	125	2	J0582	M224c
20▼	AM26L02FM	5		MON	2.0%	.70*	TTL	2		0.0	5.0	110n$			80m%	1.0	-55	125	2	J0582	FP79b
21▼	AM26L02PC	5		MON	2.0%	.70*	TTL	2		0.0	5.0	110n$			80m%	1.0	0	70	2	J0582	M357
22▼	5540A	5		PCB	2.0%	.80*	TTL	9	10	0.0	5.0	50n			40m†		0	70	4		CB62
23#	FJK101-74121	5		MON	2.0%	.80*	TTL	6	10	0.0	5.0	80nΔ			90m†	1.0 Δ	0	70	1	J0588	M126f
24#	FLK101-74121	5		MON	2.0%	.80*	TTL	6	10	0.0	5 0	50nΔ			200m§	1.2 Δ	0	70	1	J0584	M126p
25#	FLK105-84121	5		MON	2.0%	.80*	TTL	6	10	0.0	5.0	50nΔ			200m§	1.2 Δ	-25	85	1	J0584	M126p
26#	FLK111-74122	5		MON	2.0%	80*	TTL	7	20	0 0	5.0	65nΔ			325m§	1.0 Δ	0	70	1	J0444	M126p
27#	FLK115-84122	5		MON	2.0%	.80*	TTL	7	20	0.0	5.0	40nΔ			325m§	1.0 Δ	-25	85	1	J0444	M126p
28#	FLK121-74123	5		MON	2.0%	.80*	TTL	2	20	0.0	5.0	40nΔ			325m§	1.0 Δ	0	70	2	J0445	M117w
29#	FLK125-84123	5		MON	2.0%	.80*	TTL	2	20	0.0	5.0	40nΔ			325m§	1.0 Δ	-25	85	2	J0445	M117w
30	JANM38510/01201BAA	5		MON	2.0%	.80*	TTL	3	10	0.0	5 5	55n	60n∅		220m		-55	125	1	J0588	FP52d
31	JANM38510/01201BAB	5		MON	2.0%	.80*	TTL	3	10	0.0	5.5	55n	60n∅		220m		-55	125	1	J0588	FP52d
32	JANM38510/01201BAC	5		MON	2.0%	.80*	TTL	3	10	0.0	5 5	55n	60n∅		220m		-55	125	1	J0588	FP52d
33▼	JANM38510/01201BCA	5		MON	2 0%	80*	TTL	3	10	0.0	5.5	55n	60n∅		220m		-55	125	1	J0588	M314
34	JANM38510/01201BCB	5		MON	2.0%	.80*	TTL	3	10	0.0	5.5	55n	60n∅		220m		-55	125	1	J0588	M314
35	JANM38510/01201BCC	5		MON	2.0%	.80*	TTL	3	10	0.0	5.5	55n	60n∅		220m		-55	125	1	J0588	M314
36	JANM38510/01201BDB	5		MON	2.0%	.80*	TTL	3	10	0.0	5.5	55n	60n∅		220m		-55	125	1	J0588	FP83
37	JANM38510/01201BDC	5		MON	2.0%	.80*	TTL	3	10	0.0	5 5	55n	60n∅		220m		-55	125	1	J0588	FP83
38	JANM38510/01201CAA	5		MON	2.0%	.80*	TTL	3	10	0.0	5.5	55n	60n∅		220m		-55	125	1	J0588	FP52d
39	JANM38510/01201CAB	5		MON	2.0%	.80*	TTL	3	10	0.0	5.5	55n	60n∅		220m		-55	125	1	J0588	FP52d
40	JANM38510/01201CAC	5		MON	2.0%	.80*	TTL	3	10	0.0	5.5	55n	60n∅		220m		-55	125	1	J0588	FP52d
41▼	JANM38510/01201CCA	5		MON	2 0%	.80*	TTL	3	10	0.0	5.5	55n	60n∅		220m		-55	125	1	J0588	M314
42	JANM38510/01201CCB	5		MON	2.0%	80*	TTL	3	10	0.0	5 5	55n	60n∅		220m		-55	125	1	J0588	M314
43	JANM38510/01201CCC	5		MON	2.0%	.80*	TTL	3	10	0.0	5.5	55n	60n∅		220m		-55	125	1	J0588	M314
44	JANM38510/01201CDB	5		MON	2.0%	.80*	TTL	3	10	0.0	5.5	55n	60n∅		220m		-55	125	1	J0588	FP83
45	JANM38510/01201CDC	5		MON	2.0%	.80*	TTL	3	10	0.0	5.5	55n	60n∅		220m		-55	125	1	J0588	FP83
46	JANM38510/01203BEB	5		MON	2.0%	.80*	TTL	3	20	0.0	5.5	65n	40n∅		380m		-55	125	2	J0445	M323
47	JANM38510/01203BEC	5		MON	2.0%	.80*	TTL	3	20	0.0	5 5	65n	40n∅		380m		-55	125	2	J0445	M323
48	JANM38510/01203BFB	5		MON	2.0%	.80*	TTL	3	20	0.0	5.5	65n	40n∅		380m		-55	125	2	J0445	FP93
49	JANM38510/01203BFC	5		MON	2.0%	.80*	TTL	3	20	0.0	5.5	65n	40n∅		380m		-55	125	2	J0445	FP93
50	JANM38510/01203CEB	5		MON	2.0%	80*	TTL	3	20	0.0	5.5	65n	40n∅		380m		-55	125	2	J0445	M323
51	JANM38510/01203CEC	5		MON	2.0%	.80*	TTL	3	20	0.0	5 5	65n	40n∅		380m		-55	125	2	J0445	M323
52	JANM38510/01203CFB	5		MON	2.0%	.80*	TTL	3	20	0.0	5.5	65n	40n∅		380m		-55	125	2	J0445	FP93
53	JANM38510/01203CFC	5		MON	2.0%	.80*	TTL	3	20	0.0	5.5	65n	40n∅		380m		-55	125	2	J0445	FP93
54#	MIC54121J	5		MON	2.0%	.80*	TTL	3	10	0.0	5.0	15n			90m†	500m	-55	125	1	J0583	TO116
55#	MIC54124J#1	5		MON	2.0%	.80*	TTL	3	10	0.0	5.0	85nΔ	10n	4.0n	150m†		-55	125	1	C0117	TO116
56#	MIC64121J	5		MON	2.0%	.80*	TTL	3	10	0 0	5.0	15n			90m†	500m	-40	85	1	J0583	TO116
57#	MIC64124J#1	5		MON	2.0%	.80*	TTL	3	10	0.0	5.0	85nΔ	10n	4.0n	150m†		-40	85	1	C0117	TO116
58#	MIC74121J	5		MON	2.0%	.80*	TTL	3	10	0.0	5 0	15n			90m†	500m	0	75	1	J0583	TO116
59#	MIC74121N	5		MON	2.0%	.80*	TTL	3	10	0.0	5.0	15n			90m†	500m	0	75	1	J0583	M126
60#	MIC74124J#1	5		MON	2.0%	.80*	TTL	3	10	0.0	5.0	85nΔ	10n	4.0n	150m†		0	75	1	C0117	TO116
61#	MIC74124N#1	5		MON	2.0%	.80*	TTL	3	10	0.0	5.0	85nΔ	10n	4.0n	150m†		0	75	1	C0117	M126
62	N74122F	5		MON	2.0%	.80*	TTL	3	20	0.0	5.0	40nΔ			140m%		0	70	1	J0444	M157
63	N74123B	5		MON	2.0%	.80*	TTL	5	20	0.0	5.0	40nΔ			330m%		0	70	2	J0445	M256
64	N74123E	5		MON	2.0%	.80*	TTL	5	20	0.0	5.0	40nΔ			330m%		0	70	2	J0445	M153a
65	S54122A	5		MON	2.0%	.80*	TTL	3	20	0.0	5.0	40nΔ			140m%		-55	125	1	J0444	TO116
66	S54122F	5		MON	2.0%	.80*	TTL	3	20	0.0	5.0	40nΔ			140m%		-55	125	1	J0444	M157
67	S54123B	5		MON	2.0%	80*	TTL	5	20	0 0	5 0	40nΔ			330m%		-55	125	2	J0445	M256
68	S54123E	5		MON	2.0%	.80*	TTL	5	20	0 0	5 0	40nΔ			330m%		-55	125	2	J0445	M153a
69	SN54L122J	5		MON	2.0%	.80*	TTL	4	40	0.0	5.0	40nt			60mt	1.0 Δ	-55	125	1	J0444	M157b
70	SN54L122N	5		MON	2.0%	.80*	TTL	4	40	0.0	5.0	40nt			60mt	1.0 Δ	-55	125	1	J0444	M126e
71	SN54L122T	5		MON	2.0%	.80*	TTL	4	40	0.0	5.0	40nt			60mt	1.0 Δ	-55	125	1	J0444	FP52e
72	SN74L122J	5		MON	2.0%	.80*	TTL	4	40	0.0	5.0	40nt			60mt	1.0 Δ	0	70	1	J0444	M157b
73	SN74L122N	5		MON	2.0%	.80*	TTL	4	40	0.0	5.0	40nt			60mt	1 0 Δ	0	70	1	J0444	M126e
74	SN74L122T	5		MON	2.0%	.80*	TTL	4	40	0.0	5.0	40nt			60mt	1.0 Δ	0	70	1	J0444	FP52e
75	T9600F	5		MON	2.0%	.80*	TTL	9	16	0 0	5.0	120nΔ	3.0u∅		125m§		0	75	1	J0586	TO86
76	T9600FM	5		MON	2.0%	.80*	TTL	9	16	0.0	5.0	100nΔ	3.0u∅		125m§		-55	125	1	J0586	TO86
77	T9600J	5		MON	2.0%	.80*	TTL	9	16	0.0	5.0	120nΔ	3.0u∅		125m§		0	75	1	J0586	M157c
78	T9600JM	5		MON	2.0%	.80*	TTL	9	16	0.0	5.0	100nΔ	3.0u∅		125m§		-55	125	1	J0586	M157c
79	T9601F	5		MON	2.0%	.80*	TTL	6	16	0.0	5.0	65nΔ	3.0u∅		125m§		0	75	1	J0590	TO86
80	T9601FM	5		MON	2.0%	.80*	TTL	6	16	0.0	5.0	65nΔ	3.0u∅		125m§		-55	125	1	J0590	TO86
81	T9601J	5		MON	2.0%	.80*	TTL	6	16	0.0	5.0	65nΔ	3.0u∅		125m§		0	75	1	J0590	M157c
82	T9601JM	5		MON	2.0%	.80*	TTL	6	16	0.0	5.0	65nΔ	3.0u∅		125m§		-55	125	1	J0590	M157c
83	US54121A	5		MON	2.0%	.80*	TTL	6	20	0.0	5.0	15n	14nt	7.0nt			-55	125	1	J0438a	
84	US54121J	5		MON	2.0%	.80*	TTL	6	20	0.0	5.0	15n	14nt	7.0nt			-55	125	1	J0438a	
85	US74121A	5		MON	2.0%	.80*	TTL	6	20	0.0	5.0	15n	14nt	7.0nt			0	70	1	J0438a	
86	US74121J	5		MON	2.0%	.80*	TTL	6	20	0.0	5.0	15n	14nt	7.0nt			0	70	1	J0438a	

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

10. TIME DELAY

IN ORDER OF (1)TIME DELAY(2)LOGIC TYPE (3)LEVEL'1'(4)LEVEL'0'(5)MAX FREQ(6)TYPE No.

LINE No.	6 TYPE No.	1 TIME DELAY TYPE	5 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE 2	FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MIN. DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. LOW °C	TEMP. HI °C	CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
1	D4205	5	10M	PCB	2.0%	.95*	TTL	4	8	0	5.0	50n	10n	10n	250m	1.0 Δ	0	75	2		CB⍁
2	D4206	5	10M	PCB	2.0%	.95*	TTL	4	8	0	5.0	50n	10n	10n	250m	1.0 Δ	0	75	2		CB⍁
3	MC9602F	5		MON	2.4%	.40†*	TTL	3	8	0.0	5.0	25n%			160m†		-55	125	2	J0582	FP85
4	MC9602L	5		MON	2.4%	.40*†	TTL	3	6	0.0	5.0	25n%			160m†		-55	125	2	J0582	M191
5	MC9603F	5		MON	2.4%	.40†*	TTL		10	0.0	5.0				90m†		-55	125	1		TO86
6	MC9603L	5		MON	2.4%	.40†*	TTL		10	0.0	5.0				90m†		-55	125	1		TO116
7	MC54121F	5		MON	2.4%	.40†*	TTL	3		0.0	5.0	80nΔ			90m†		-55	125	1	J0585	TO86
8	MC54121L	5		MON	2.4%	.40*†	TTL	3		0.0	5.0	80nΔ			90m†		-55	125	1	J0585	TO116
9	MC74121F	5		MON	2.4%	.40*†	TTL	3		0.0	5.0	80nΔ			90m†		0	75	1	J0585	TO86
10	MC74121L,P%	5		MON	2.4%	.40*†	TTL	3		0.0	5.0	80nΔ			90m†		0	75	1	J0585	TO116
11	N8T22A	5		MON	2.4%	.40†*	TTL	4	8	0.0	5 0	40nΔ			132m		0	75	1	J0590	TO116
12	N8T22F	5		MON	2.4%	.40†*	TTL	4	8	0.0	5.0	40nΔ			132m		0	75	1	J0590	M157
13	N74121A	5		MON	2.4%	.40†*	TTL	3	10	0.0	5.0	80nΔ					0	75	1	J0580	TO116
14	N74121Q	5		MON	2.4%	.40†*	TTL	3	10	0.0	5.0	80nΔ					0	75	1	J0580	TO88
15	N74122A	5		MON	2.4%	.40†*	TTL	4	20	0.0	5.0	40nΔ					0	75	1	J0591	TO116
16	N74122Q	5		MON	2.4%	.40†*	TTL	4	20	0.0	5.0	40nΔ					0	75	1	J0591	TO88
17	S54121A	5		MON	2.4%	.40†*	TTL	3	10	0.0	5.0	80nΔ					-55	125	1	J0580	TO116
18	S54121F	5		MON	2.4%	.40†*	TTL	3	10	0.0	5.0	80nΔ					-55	125	1	J0580	M157
19	S54121Q	5		MON	2.4%	.40†*	TTL	3	10	0.0	5.0	80nΔ					-55	125	1	J0580	TO88
20	S54122Q	5		MON	2.4%	.40†*	TTL	4	20	0.0	5.0	40nΔ					-55	125	1	J0591	TO88
21	M302	5	10M	PCB	2.4	.40	TTL	3	10	0	5.0	50n	20n	20n	650m	1.0	0	70	2		
22	HEPC3803P-RT	5		MON	2.4%	.45*†	TTL	4	8	0.0	5.0	25n%			80m†		0	75	1	J0581	TO116
23	MC8602F	5		MON	2.4%	.45†*	TTL	3	8	0.0	5.0	25n%			160m†		0	75	2	J0582	FP85
24	MC8602L	5		MON	2.4%	.45*†	TTL	3	8	0.0	5.0	25n%			160m†		0	75	2	J0582	M191
25	MC8602L,P%	5		MON	2.4%	45†*	TTL	3	8	0.0	5 0	25n%			160m†		0	75	2	J0582	M278
26	MC8602P	5		MON	2.4%	.45*†	TTL	3	8	0 0	5.0	25n%			160m†		0	75	2	J0582	M278
27	MC8603F	5		MON	2.4%	.45†*	TTL		10	0.0	5.0				90m†		0	75	1		TO86
28	MC8603L,P%	5		MON	2.4%	.45†*	TTL		10	0.0	5.0				90m†		0	75	1		TO116
29	N8T20B	5	8 0M	MON	2.6%	.40†*	TTL	5	10	5.0	5.0	50nΔ			395m		0	75	1	J0589	M256
30	N8T20E	5	8.0M	MON	2.6%	.40†*	TTL	5	10	5.0	5.0	50nΔ			395m		0	75	1	J0589	M153a
31	S8T20B	5	8.0M	MON	2.6%	.40†*	TTL	5	10	5.0	5.0	50nΔ			395m		-55	125	1	J0589	M256
32	S8T20E	5	8 0M	MON	2.6%	.40†*	TTL	5	10	5.0	5.0	50nΔ			395m		-55	125	1	J0589	M153a
33#	TL74121N	5		MON	3.3	22†	TTL	6	10	0.0	5.0	50n			170m†		0	70	1	J0588	M126n
34	T301	5		PCB	5.0	0.0	TTL	4	8	4.8	5.2	25n			500m	1 0	0	70	4		CB⍁
35	T302	5		PCB	5.0	0.0	TTL	4	8	4.8	5 2	25n			500m	1.0	0	70	4		CB⍁
36	540AT	5	20M	PCB	5.5	0	TTL	1	30	0	5.0	60n					0	70	2		
37▼#	FZK101#1	5		MON	7.5%	4.5*	TTL			0.0	12	180n%				8.0 Δ	0	70	1	J05103	
38▼#	FZK101#2	5		MON	7.5%	4.5*	TTL			0.0	15	180n%				8.0 Δ	0	70	1	J05103	
39▼#	FZK105#1	5		MON	7.5%	4.5*	TTL			0.0	12	180n%				8.0 Δ	-25	85	1	J05103	
40▼#	FZK105#2	5		MON	7.5%	4.5*	TTL			0.0	15	180n%				8.0 Δ	-25	85	1	J05103	
41♦	MC1455G	5		MON	12.5	2.5†	TTL	3		0.0	15		100n†	100n†	680m†		0	70	1	J0599	TO99
42♦	MC1455P1	5		MON	12.5	2.5†	TTL	3		0.0	15		100n†	100n†	625m†		0	70	1	J0599	M293
43♦	MC1555G	5		MON	12.5	2.5†	TTL	3		0.0	15		100n†	100n†	680m†		-55	125	1	J0599	TO99
44	NE555T	5		MON	12 5	2.5†	TTL	4		0.0	15		100n†		600m		0	70	1	J0598	CN46b
45	NE555V	5		MON	12.5	2.5†	TTL	4		0.0	15		100n†		600m		0	70	1	J0598	M296
46	SE555T	5		MON	12.5	2.5†	TTL	4		0.0	15		100n†		600m		-55	125	1	J0598	CN46b
47	SE555V	5		MON	12.5	2.5†	TTL	4		0.0	15		100n†		600m		-55	125	1	J0598	M296
48	540A	5F	5.0M	PCB	5.0	.45	DTL	4	12	0	5.0	75n					0	70	2	J0572	CB55
49	R302	5F	2.0M	PCB	0.0	-3.0	RCT	2	18	15	10	400n	25n	25n	1.3	800m	-20	65	2	J0533	CB31
50#	FJK101	5F,S		MON	2.0%	.80*	TTL	3	10	0 0	5.0				90m†	400m	0	70	1	J0580	TO116
51#	M53321P	5F,S		MON	2.0%	.80*	TTL	3	10	0.0	7.0	30n			115m†	1.0 Δ	0	75	1	J0580	M105j
52	NC74121N	5F,S		MON	2.0%	80*	TTL	3	10	0.0	5.0	30n			115m†	1.0 Δ	0	70	1		TO116
53♦	SN54121J	5F,S		MON	2.0%	.80*	TTL	3	10	0.0	5.0	30n			115m†	1.0 Δ	-55	125	1		M157b
54	SN54121N	5F,S		MON	2.0%	.80*	TTL	3	10	0.0	5.0	30n			115m†	1.0 Δ	-55	125	1		M126
55♦	SN54121W	5F,S		MON	2.0%	.80*	TTL	3	10	0.0	5.0	30n			115m†	1.0 Δ	-55	125	1		Δ004AA
56♦	SN74121J	5F,S		MON	2.0%	.80*	TTL	3	10	0.0	5.0	30n			115m†	1.0 Δ	0	70	1		M157b
57♦	SN74121N	5F,S		MON	2.0%	.80*	TTL	3	10	0.0	5.0	30n			115m†	1.0 Δ	0	70	1		M126e
58	SN74121W	5F,S		MON	2.0%	.80*	TTL	3	10	0.0	5 0	30n			115m†	1 0 Δ	0	70	1		TO84
59	SW54121J	5F,S		MON	2.0%	80*	TTL	3	10	0.0	5 5	30n			200m†	1.0	-55	125	1	J0592	M114
60	SW74121J	5F,S		MON	2.0%	.80*	TTL	3	10	0.0	5.25	30n			200m†	1.0	0	70	1	J0592	M114
61♦	SN54221J	5F,S		MON	3.4	.20†	TTL	3	10	0.0	5.0	20n	20n⍁		400m§	1.0 Δ	-55	125	2	J05101	M153d
62	SN54221W	5F,S		MON	3.4	.20†	TTL	3	10	0 0	5.0	20n	20n⍁		400m§	1 0 Δ	-55	125	2	J05101	Δ004AG
63♦	SN74221J	5F,S		MON	3 4	.20†	TTL	3	10	0.0	5 0	20n	20n⍁		400m§	1.0 Δ	0	70	2	J05101	M153d
64♦	SN74221N	5F,S		MON	3 4	.20†	TTL	3	10	0.0	5.0	20n	20n⍁		400m§	1.0 Δ	0	70	2	J05101	M117x
65#	SFC4121E	5FS		MON	2.0%	80*	TTL	3	10	0.0	5 0	30n			115m†	1.0 Δ	0	70	1		TO116
66#	SFC4121EM	5FS		MON	2.0%	.80*	TTL	3	10	0.0	5.0	30n			115m†	1.0 Δ	-55	125	1		TO116
67#	SFC4121ET	5FS		MON	2.0%	.80*	TTL	3	10	0.0	5.0	30n			115m†	1.0 Δ	-25	85	1		TO116
68#	SFC4121PM	5FS		MON	2.0%	.80*	TTL	3	10	0.0	5.0	30n			115m†	1.0 Δ	-55	125	1		TO85
69	SW74121N	5FS		MON	2.0%	.80*	TTL	3	10	0.0	5.25	30n			200m†	1.0	0	70	1	J0592	M105n
70	TRW74121	5FS		MON	2.0%	.80	TTL	3	10	0 0	5 0	30n			200m†	1.0	0	70		J0592	
71#	FCK101	5G	2.5M	MON	2.2	1.0	DTL	2	8	0	8.0	100n			110m		0	75	1	J0576	TO116
72	B301	5G	6 5M	PCB	0.0	-3.0	RCT	2Δ	14	15	10	50n	10n	60n	1.7	800m	-20	85	1	J0529a	CB31
73#	FCK111	5S		MON	2.2%	1.0*	DTL	2	14	0.0	6.0	200nΔ			98m†		0	75	1	J0587	M126f

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPER-ATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1▼#	GXB10130				-.88	-1.7	5.2	0.0	110m†	0	75	K342	M200n	D Type w/Latch,tpd 3.0ns typ.
2▼#	FJJ181				2.0%	.80*	0.0	5.0	160m	0	70	K347	M146e	D Type;Fan Out 10.
3▼#	FLJ301-74100				2.0%	.80*	0.0	5.0	530m§	0	70	K347	M186	D Type;tpd 30nsΔ.
4▼#	FLJ305-84100				2.0%	.80*	0.0	5.0	530m§	-25	85	K347	M186	D Type;tpd 30nsΔ.
5▼#	M53275P				2.0%	.80*	0.0	7.0	40m†	0	75	K347	M153b	T Type;Fan Out 20.
6▼#	SFC475EM				2.0%	.80*	0.0	5.5	160mΔ	-55	125	K347	TO116	T Type;Fan Out 10.
7▼#	SFC475ET				2.0%	.80*	0.0	5.25	160mΔ	-25	85	K347	TO116	T Type;Fan Out 10.
8▼#	SFC475EV				2.0%	.80*	0.0	5.25	160mΔ	-25	85	K347	TO116	T Type;Fan Out 10.
9▼#	SN6475N				2.0%	.80*	0.0	7.0	160m†	-40	85	K347	M117	T Type;Fan Out 20.
10	MEM5021		500kΔ	MOS	-10%	-2.0*	30	.30	100m	-55	85		FP48	Digital Difference Adder Element.
11	A854	1					15	15						Integrating 12 Bits.
12	ADC100-BCD	1		3DM			15	15	2.2 †	-25	85	K0124	M302b	Conversion Speed 30ms max.
13	ADC100-SMD	1		3DM			15	15	2.2 †	-25	85	K0124	M302b	Conversion Speed 30ms max.
14	ADC100BOB	1		3DM			15	15	2.1 †	-25	85	K0124	M302b	16 Bit;Conversion time 200mS max.
15	ADC100USB	1		3DM			15	15	2.1 †	-25	85	K0124	M302b	16 Bit;Conversion time 200mS max.
16▼	ADC535-3BCD	1		3DM			15	15	450m%	0	70	K0141	M383	Unipolar;Total Conv.Time 35mSec.
17▼	ADC535-3BCD-BP	1		3DM			15	15	600m%	0	70	K0140	M302f	Bipolar;Total Conv.Time 35mSec.
18▼	ADC535-12A-E	1		3DM			15	15	450m%	0	70	K0141	M383	Unipolar;Total Conv.Time 35mSec.
19▼	ADC550-10E	1		3DM			15	15	450m%	0	70	K0142	M302g	Acc ±0.05%;Tempco 50ppm/°C.
20▼	ADC550-10LD	1		3DM			15	15	450m%	0	70	K0142	M302g	Acc ±0.05%;Tempco 15ppm/°C.
21▼	ADC550-10S	1		3DM			15	15	450m%	0	70	K0142	M302g	Acc ±0.05%;Tempco 30ppm/°C.
22▼	ADC550-12E	1		3DM			15	15	450m%	0	70	K0142	M302g	Acc ±0.0125%;Tempco 50ppm/°C.
23▼	ADC550-12LD	1		3DM			15	15	450m%	0	70	K0142	M302g	Acc ±0.0125%;Tempco 15ppm/°C.
24▼	ADC550-12S	1		3DM			15	15	450m%	0	70	K0142	M302g	Acc ±0.0125%;Tempco 30ppm/°C.
25	ADC560-3BCD	1		3DM			15	15	900m%	0	70		M302c	3 Decodes BCD
26	ADC560-12A	1		3DM			15	15	900m%	0	70		M302c	Conv. Time 20,10,8,Bits Is 20,16,13us.
27	ADC560-12B	1		3DM			15	15	900m%	0	70		M302c	Conv. Time 20,10,8,Bits Is 20,16,13uS.
28	ADC560-12C	1		3DM			15	15	900m%	0	70		M302c	Conv. Time 20,10,8,Bits Is 20,16,13uS.
29	ERDC-H1	1		3DM			15	15	3.8 †	-55	85			Resolver to Dig.Conv;Vi 90Vrms at 400Hz.
30	ERDC-H3	1		3DM			15	15	3.8 †	0	70			Resolver to Dig Conv;Vi 90Vrms at 400Hz.
31	ERDC-L1	1		3DM			15	15	3.8 †	-55	85			Resolver to Dig Conv;Vi 11.8Vrms at 400Hz
32	ERDC-L3	1		3DM			15	15	3.8 †	0	70			Resolver to Dig.Conv;Vi 11.8Vrms at 400Hz.
33	ESDC6-1	1		3DM			15	15	3.8 †	-55	85		M335	Synchro to Dig.Conv;Vi 90Vrms at 50-400Hz
34	ESDC6-3	1		3DM			15	15	3.8 †	0	70		M335	Synchro to Dig.Conv;Vi 90Vrms at 50-400Hz
35	ESDC-H1	1		3DM			15	15	3.8 †	-55	85		M334	Synchro to Dig Conv;Vi 90Vrms at 400Hz.
36	ESDC-H3	1		3DM			15	15	3.8 †	0	70		M334	Synchro to Dig.Conv;Vi 90Vrms at 400Hz.
37	ESDC-L1	1		3DM			15	15	3.8 †	-55	85		M334	Synchro to Dig.Conv;Vi11.8Vrms at 400Hz.
38	ESDC-L3	1		3DM			15	15	3.8 †	0	70		M334	Synchro to Dig.Conv;Vi11.8Vrms at 400Hz.
39▼	PD850-3BCD	1		3DM			15	15	600m%	0	70	K0149	M302p	Peak Detecting;Acc. vs Temp 30ppm/°C.
40▼	PD850-12	1		3DM			15	15	600m%	0	70	K0149	M302p	Peak Detecting;Acc. vs Temp 30ppm/°C.
41	SDC36-6-1	1		3DM			15	15	6.0 †	-55	85		M338	Synchro to Dig Conv;Vi 90Vrms at 60Hz
42	SDC36-6-3	1		3DM			15	15	6.0 †	0	70		M338	Synchro to Dig.Conv;Vi 90Vrms at 60Hz.
43	SDC36H1	1		3DM			15	15	6.0 †	-55	85		M337	Synchro to Dig.Conv;Vi 90Vrms at 400Hz.
44	SDC36H3	1		3DM			15	15	6.0 †	0	70		M337	Synchro to Dig.Conv;Vi 90Vrms at 400Hz.
45	SDC36L1	1		3DM			15	15	6.0 †	-55	85		M337	Synchro to Dig.Conv;Vi 11.8Vrms at 400Hz.
46	SDC36L3	1		3DM			15	15	6.0 †	0	70		M337	Synchro to Dig.Conv;Vi 11.8Vrms at 400Hz.
47	SH3001	1		MOH			22	11	350mΔ	-55	125	K0113	TO100	SPDT Multiplexer.
48	VADC-A	1		3DM			15	15	27 †	0	50	K0129	M340	8 Bit Video;Vi .50V,Acc ±.20% of FS.
49	VADC-B	1		3DM			15	15	27 †	0	50	K0129	M340	8 Bit Video;Vi ±2.5V;Acc ±.20% of FS.
50	MADC8-1	1	50k	3DM			15	15	2.0	-55	85		MØ	8 Bit;VI ±10V;Ic 70mA
51	MADC8-3	1	50k	3DM			15	15	2.0	0	50		MØ	8 Bit;VI ±10V;Ic 70mA.
52	MADC9-1	1	50k	3DM			15	15	2.0	-55	85		MØ	9 Bit;VI ±10V;Ic 70mA.
53	MADC9-3	1	50k	3DM			15	15	2.0	0	50		MØ	9 Bit;VI ±10V;Ic 70mA.
54	MADC10-1	1	50k	3DM			15	15	2.0	-55	85		MØ	10 Bit;VI ±10V;Ic 70mA.
55	MADC10-3	1	50k	3DM			15	15	2.0	0	50		MØ	10 Bit;VI ±10V;Ic 70mA.
56	MADC11-1	1	50k	3DM			15	15	2.0	-55	85		MØ	11 Bit;VI ±10V;Ic 70mA.
57	MADC11-3	1	50k	3DM			15	15	2.0	0	50		MØ	11 Bit;VI ±10V;Ic 70mA.
58	HADC9-1	1	100k				0.0	5.0	3.0	-55	85		M187	9.0 Bits accuracy;11 Bits resolution.
59	HADC9-3	1	100k				0.0	5.0	3.0	0	50		M187	9.0 Bits accuracy;11 Bits resolution.
60	HADC10-1	1	100k				0.0	15	3.0	-55	85		M187	10 Bits accuracy;11 Bits resolution.
61	HADC10-3	1	100k				0.0	15	3.0	0	50		M187	10 Bits accuracy;11 Bits resolution.
62	HADC11-1	1	100k				15	0.0	3.0	-55	85		M187	11 Bits accuracy;11 Bits resolution.
63	HADC11-3	1	100k				15	0.0	3.0	0	50		M187	11 Bits accuracy;11 Bits resolution.
64	770-754-1-20-5	1	280k	3DM			22	22	3.6	0	60		MØ	13 Bit BCD Tens Complement Output Code.
65	770-750-0-20-0	1	300k	3DM			0.0	22		0	50		MØ	8 Bit A/D Converter.
66	770-750-0-20-1	1	300k	3DM			0.0	22		0	50		MØ	8 Bit A/D Converter.
67	770-750-0-20-2	1	300k	3DM			0.0	22		0	50		MØ	8 Bit A/D Converter.
68	770-750-0-20-3	1	300k	3DM			0.0	22		0	50		MØ	8 Bit A/D Converter.
69	770-750-1-20-0	1	300k	3DM			0.0	22		0	50		MØ	9 Bit w/Straight Binary Output Code.
70	770-750-1-20-1	1	300k	3DM			0.0	22		0	50		MØ	9 Bit w/Straight Binary Output Code.
71	770-750-1-20-2	1	300k	3DM			0.0	22		0	50		MØ	9 Bit w/Straight Binary Output Code.
72	770-750-1-20-3	1	300k	3DM			0.0	22		0	50		MØ	9 Bit w/Straight Binary Output Code.
73	770-750-2-20-0	1	300k	3DM			0.0	22		0	50		MØ	10 Bit w/Ones Complement Output Code.
74	770-750-2-20-1	1	300k	3DM			0.0	22		0	50		MØ	10 Bit w/Ones Complement Output Code.
75	770-750-2-20-2	1	300k	3DM			0.0	22		0	50		MØ	10 Bit w/Ones Complement Output Code.
76	770-750-2-20-3	1	300k	3DM			0.0	22		0	50		MØ	10 Bit w/Ones Complement Output Code.
77	770-750-3-20-0	1	300k	3DM			0.0	22		0	50		MØ	11 Bit w/Twos Complement Output Code.
78	770-750-3-20-1	1	300k	3DM			0.0	22		0	50		MØ	11 Bit w/Twos Complement Output Code.
79	770-750-3-20-2	1	300k	3DM			0.0	22		0	50		MØ	11 Bit w/Twos Complement Output Code.
80	770-750-3-20-3	1	300k	3DM			0.0	22		0	50		MØ	11 Bit w/Twos Complement Output Code.
81	770-750-4-20-0	1	300k	3DM			0.0	22		0	50		MØ	12 Bit w/Offset Binary Output Code.
82	770-750-4-20-1	1	300k	3DM			0.0	22		0	50		MØ	12 Bit w/Offset Binary Output Code
83	770-750-4-20-2	1	300k	3DM			0.0	22		0	50		MØ	12 Bit w/Offset Binary Output Code.
84	770-750-4-20-3	1	300k	3DM			0.0	22		0	50		MØ	12 Bit w/Offset Binary Output Code.
85	770-753-0-20-0	1	300k	3DM			0.0	22		0	60		MØ	8 Bit A/D Converter.
86	770-753-0-20-1	1	300k	3DM			0.0	22		0	60		MØ	8 Bit A/D Converter.
87	770-753-0-20-2	1	300k	3DM			0.0	22		0	60		MØ	8 Bit A/D Converter.
88	770-753-0-20-3	1	300k	3DM			0.0	22		0	60		MØ	8 Bit A/D Converter.
89	770-753-1-20-0	1	300k	3DM			0.0	22		0	60		MØ	9 Bit w/Straight Binary Output Code.
90	770-753-1-20-1	1	300k	3DM			0.0	22		0	60		MØ	9 Bit w/Straight Binary Output Code.
91	770-753-1-20-2	1	300k	3DM			0.0	22		0	60		MØ	9 Bit w/Straight Binary Output Code.
92	770-753-1-20-3	1	300k	3DM			0.0	22		0	60		MØ	9 Bit w/Straight Binary Output Code.
93	770-753-2-20-0	1	300k	3DM			0.0	22		0	60		MØ	10 Bit w/Ones Complement Output Code.
94	770-753-2-20-1	1	300k	3DM			0.0	22		0	60		MØ	10 Bit w/Ones Complement Output Code.
95	770-753-2-20-2	1	300k	3DM			0.0	22		0	60		MØ	10 Bit w/Ones Complement Output Code.
96	770-753-2-20-3	1	300k	3DM			0.0	22		0	60		MØ	10 Bit w/Ones Complement Output Code.
97	770-753-3-20-0	1	300k	3DM			0.0	22		0	60		MØ	11 Bit w/Twos Complement Output Code.
98	770-753-3-20-1	1	300k	3DM			0.0	22		0	60		MØ	11 Bit w/Twos Complement Output Code.
99	770-753-3-20-2	1	300k	3DM			0.0	22		0	60		MØ	11 Bit w/Twos Complement Output Code.
100	770-753-3-20-3	1	300k	3DM			0.0	22		0	60		MØ	11 Bit w/Twos Complement Output Code.
101	770-753-4-20-0	1	300k	3DM			0.0	22		0	60		MØ	12 Bit w/Offset Binary Output Code
102	770-753-4-20-1	1	300k	3DM			0.0	22		0	60		MØ	12 Bit w/Offset Binary Output Code.
103	770-753-4-20-2	1	300k	3DM			0.0	22		0	60		MØ	12 Bit w/Offset Binary Output Code.
104	770-753-4-20-3	1	300k	3DM			0.0	22		0	60		MØ	12 Bit w/Offset Binary Output Code
105	DT307	1	5.0MΔ	PCB	.45*	5.0*	22	22		15	55			1 Ckt.
106▼	ADC575-12	1		3DM	.80	.20	0.0	15	30m	0	70	K0143	M384	Acc 0.02% max;Gain vs Temp 30ppm/°C
107	MN515	1	600k%Δ	3DM	2.0%	.40*	15	15	1.6 §	0	70	K0127	M327	12 Bit;Multi Range Input;Int Ref.
108	MN515H	1	600kΔ%	3DM	2.0%	.40*	15	15	1.6 §	-55	125	K0127	M327	12 Bit;Multi Range Input;Int Ref.
109	MN516	1	600k%Δ	3DM	2.0%	.40*	15	15	1.6 §	0	70	K0127	M327	12 Bit;Output Register;Multi Range Input.
110	MN516H	1	600k%Δ	3DM	2.0%	.40*	15	15	1.6 §	-55	125	K0127	M327	12 Bit;Output Register;Multi Range Input.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	[5] TYPE No.	[1] USE	[4] MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL [2] '1' (V)	LOGIC LEVEL [3] '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1▼	MN517	1	600k%Δ	3DM	2.0%	.40*	15	15	1.8 §	0	70			12 Bit BCD;Vin 0 to 5V,0 to 10V,Lin±1/2LSB
2▼	MN517H	1	600k%Δ	3DM	2.0%	.40*	15	15	1.8 §	-55	125			12 Bit BCD;Vin 0 to 5V;0 to 10V;Lin±1/2LSB
3▼	ADC55-12-BOB	1	1.0MΔ	3DM	2.0%	.40*	15	15	3.2 †	-25	85	K0132	M302e	12 Bit;Conv.Spd 12us max.
4▼	ADC55-12-BTC	1	1.0MΔ	3DM	2.0%	40*	15	15	3.2 †	-25	85	K0132	M302e	12 Bit;Conv.Spd 12us max.
5▼	ADC55-12-USB	1	1.0MΔ	3DM	2.0%	40*	15	15	3.2 †	-25	85	K0132	M302e	12 Bit;Conv.Spd 12us max.
6▼	ADC55-10-BOB	1	1.2MΔ	3DM	2.0%	.40*	15	15	3.2 †	-25	85	K0132b	M302e	10 Bit;Conv.Spd 8us max.
7▼	ADC55-10-BTC	1	1.2MΔ	3DM	2.0%	40*	15	15	3.2 †	-25	85	K0132b	M302e	10 Bit;Conv Spd 8us max.
8▼	ADC55-10-USB	1	1.2MΔ	3DM	2.0%	.40*	15	15	3.2 †	-25	85	K0132b	M302e	10 Bit;Conv.Spd 8us max.
9	4109	1		3DM	2.0%	.80*	15	15	900m§	0	70		MØ	12 Bits;Linear ±1/2LSB max;VI0.0 to -10V.
10	4109-10	1		3DM	2.0%	80*	15	15	900m§	0	70		MØ	12 Bits;Linear ±1/2LSB max;VI0.0 to 10V.
11	4111	1		3DM	2.0%	.80*	15	15	900m§	0	70		MØ	12 Bits;Linear ±1/2LSB max;VI0.0 to -10V.
12	4111-10	1		3DM	2.0%	80*	15	15	900m§	0	70		MØ	12 Bits;Linear ±1/2LSB max;VI0.0V to 10V.
13	4112	1		3DM	2.0%	80*	15	15	1.5 §	0	70		MØ	12 Bits;Linear ±1/2LSB max;TC±30ppm/°C max
14	4113	1		3DM	2.0%	.80*	15	15	1.5 §	0	70		MØ	10 Bits;Linear ±1/2LSB max;TC±40ppm/°C max
15	4114	1		3DM	2.0%	.80*	15	15	1.5 §	0	70		MØ	8 Bits;Linear ±1/2LSB max;TC ±40ppm/°C max
16	ADC40-08-BOB	1		3DM	2.0%	.80*	15	15	2.5 †	-25	85	K0123	M302	8 Bit;Conv.Speed 20us max.
17	ADC40-08-BTC	1		3DM	2.0%	.80*	15	15	2.5 †	-25	85	K0123	M302	8 Bit;Conv.Speed 20us max
18	ADC40-08-USB	1		3DM	2.0%	.80*	15	15	2.5 †	-25	85	K0123	M302	8 Bit;Conv.Speed 20us max.
19	ADC40-10-BOB	1		3DM	2.0%	.80*	15	15	2.5 †	-25	85	K0123	M302	10 Bit;Conv.Speed 30us max.
20	ADC40-10-BTC	1		3DM	2.0%	.80*	15	15	2.5 †	-25	85	K0123	M302	10 Bit,Conv.Speed 30us max.
21	ADC40-10-USB	1		3DM	2.0%	.80*	15	15	2.5 †	-25	85	K0123	M302	10 Bit;Conv.Speed 30us max.
22♦	ADC40-12-BCD	1		3DM	2.0%	.80*	15	15	2.5 †	-25	85	K0123	M302	12 Bit;Conv.Speed 30us max.
23♦	ADC40-12-BOB	1		3DM	2.0%	80*	15	15	2.5 †	-25	85	K0123	M302	12 Bit;Conv.Speed 30us max.
24♦	ADC40-12-BTC	1		3DM	2.0%	.80*	15	15	2.5 †	-25	85	K0123	M302	12 Bit;Conv.Speed 30us max.
25♦	ADC40-12-USB	1		3DM	2.0%	.80*	15	15	2.5 †	-25	85	K0123	M302	12 Bit;Conv.Speed 30us max.
26♦	ADC50-08-BOB	1		3DM	2 0%	.80*	15	15	2.5 †	-25	85	K0123	M302	8 Bit;Conv.Speed 20us max.
27♦	ADC50-08-BTC	1		3DM	2.0%	.80*	15	15	2.5 †	-25	85	K0123	M302	8 Bit;Conv.Speed 20us max.
28♦	ADC50-08-USB	1		3DM	2.0%	.80*	15	15	2.5 †	-25	85	K0123	M302	8 Bit;Conv.Speed 20us max.
29♦	ADC50-10-BOB	1		3DM	2.0%	.80*	15	15	2.5 †	-25	85	K0123	M302	10 Bit;Conv.Speed 30us max.
30♦	ADC50-10-BTC	1		3DM	2.0%	.80*	15	15	2.5 †	-25	85	K0123	M302	10 Bit;Conv.Speed 30us max.
31♦	ADC50-10-USB	1		3DM	2.0%	.80*	15	15	2.5 †	-25	85	K0123	M302	10 Bit;Conv.Speed 30us max.
32♦	ADC50-12-BCD	1		3DM	2.0%	.80*	15	15	2.5 †	-25	85	K0123	M302	12 Bit;Conv.Speed 30us max.
33♦	ADC50-12-BOB	1		3DM	2.0%	.80*	15	15	2.5 †	-25	85	K0123	M302	12 Bit;Conv.Speed 30us max.
34♦	ADC50-12-BTC	1		3DM	2.0%	80*	15	15	2.5 †	-25	85	K0123	M302	12 Bit;Conv.Speed 30us max.
35♦	ADC50-12-USB	1		3DM	2.0%	.80*	15	15	2.5 †	-25	85	K0123	M302	12 Bit;Conv Speed 30us max.
36	HI-1D0180	1		MON	2.0%	.80*†	0.0	5 0		-55	125	K15539	M200p	8-Bit A to D Encoder.
37	HI-1D0185	1		MON	2.0%	.80*†	0.0	5.0		0	75	K15539	M200p	8-Bit A to D Encoder.
38▼	MC1405L	1		MON	2.0%	.80*	0.0	15	195m	0	70		M191	Dual Ramp Subsystem.
39▼	MC1505L	1		MON	2.0%	.80*	0.0	15	195m	-55	125		M191	Dual Ramp Subsystem.
40	4103	1	33k	3DM	2.0%	.80*	15	15 5	1.7	0	70			12 bit;20ppm/°C max T.C.;SA A to D.
41	4110	1	40k	3DM	2.0%	.80*	15	15.5	1 7	0	70			8 bit Tracking A to D.
42	4104	1	50k	3DM	2.0%	.80*	15	15.5	1.7	0	70			10 bit;20ppm/°C max T.C.;SA A to D.
43	4105	1	65k	3DM	2.0%	.80*	15	15.5	1.7	0	70			8 bit;20ppm/°C max T.C.;SA A to D.
44	4106	1	100k	3DM	2.0%	.80*	15	15.5	1.7	0	70			12 bit;20ppm/°C max T.C.;SA A to D.
45	4107	1	170k	3DM	2.0%	.80*	15	15 5	1.7	0	70			10 bit,20ppm/°C max T.C.;SA A to D.
46	4108	1	200k	3DM	2 0%	.80*	15	15.5	1.7	0	70			8 bit;20ppm/°C max T.C.;SA A to D.
47▼	MN5200	1	240k	TFH	2.0%	.80*	15	15	700m†	0	70	K0145	M387	12 Bit,Vin 0 to -10V;Acc.4%;Lin.±1/2LSB.
48▼	MN5200H	1	240k	TFH	2.0%	.80*	15	15	700m†	-55	125	K0145	M387	12 Bit;Vin 0 to -10V;Acc.4%;Lin. ±1/2LSB.
49▼	MN5201	1	240k	TFH	2.0%	.80*	15	15	700m†	0	70	K0145	M387	12 Bit;Vin 5 to -5V;Acc.4%;Lin ±1/2LSB.
50▼	MN5201H	1	240k	TFH	2 0%	.80*	15	15	700m†	-55	125	K0145	M387	12 Bit;Vin 5 to -5V;Acc.4%;Lin. ±1/2LSB.
51▼	MN5202	1	240k	TFH	2.0%	.80*	15	15	700m†	0	70	K0145	M387	12 Bit;Vin 10 to-10V;Acc.4%;Lin.±1/2LSB.
52▼	MN5202H	1	240k	TFH	2 0%	.80*	15	15	700m†	-55	125	K0145	M387	12 Bit;Vin 10 to-10V;Acc.4%;Lin.±1/2LSB
53	876B5D1	1	1 0MΔ	MOH	2 0%	.80*	15	15	1.5 §	-55	125	K0128	M196c	Vi -5 0V to 5.0V;Acc ± 10% ±1/2LSB.
54	876B5D2	1	1.0MΔ	MOH	2.0%	.80*	15	15	1.5 §	-55	125	K0128	M196c	Vi -5.0V to 5 0V,Acc ±.15% ±1/2LSB.
55	876B5D3	1	1.0MΔ	MOH	2.0%	.80*	15	15	1.5 §	-55	125	K0128	M196c	Vi -5.0V to 5.0V;Acc ±.25% ±1/2LSB.
56	876B10D1	1	1.0MΔ	MOH	2 0%	.80*	15	15	1.5 §	-55	125	K0128	M196c	Vi -10V to 10V;Acc ±.10% ±1/2LSB.
57	876B10D2	1	1.0MΔ	MOH	2.0%	.80*	15	15	1.5 §	-55	125	K0128	M196c	Vi -10V to 10V;Acc ±.15% ±1/2LSB.
58	876B10D3	1	1.0MΔ	MOH	2.0%	.80*	15	15	1.5 §	-55	125	K0128	M196c	Vi -10V to 10V;Acc ±.25% ±1/2LSB
59	876U5D1	1	1 0MΔ	MOH	2.0%	.80*	15	15	1.5 §	-55	125	K0128	M196c	Vi 0.0V-5.0V,Acc ±.10% ±1/2LSB.
60	876U5D2	1	1.0MΔ	MOH	2.0%	.80*	15	15	1.5 §	-55	125	K0128	M196c	Vi 0.0V-5.0V;Acc ±.15% ±1/2LSB.
61	876U5D3	1	1.0MΔ	MOH	2.0%	.80*	15	15	1.5 §	-55	125	K0128	M196c	Vi 0.0V-5.0V;Acc ±.25% ±1/2LSB.
62	876U10D1	1	1.0MΔ	MOH	2.0%	80*	15	15	1.5 §	-55	125	K0128	M196c	Vi 0.0V-10V;Acc ±.10% ±1/2LSB.
63	876U10D2	1	1.0MΔ	MOH	2.0%	.80*	15	15	1.5 §	-55	125	K0128	M196c	Vi 0.0V-10V;Acc ±.15% ±1/2LSB.
64	876U10D3	1	1.0MΔ	MOH	2 0%	.80*	15	15 §		-55	125	K0128	M196c	Vi 0.0V-10V;Acc ±.25% ±1/2LSB.
65	D4079	1	33k	PCB	2.0%	.95*	22	22	3.3	0	50		CBØ	A/D Converter;10 Bit (1 Card,3 Card Space)
66▼	ADC8QMET	1		3DM	2 4%	.40*	15	15	1.9 †	-55	125	K0133a	M365	8 bit or 2BCD digits;Conv.Time 18us max.
67▼	ADC8QMSN	1		3DM	2.4%	40*	15	15	1.9 †	0	70	K0133a	M365	8 Bits or 2BCD digits;Conv.Time 18us max.
68▼	ADC8QU	1		3DM	2.4%	40*	15	15	2.6 †	0	70	K0132a	M364f	8 bits;Acc±1/2LSB;Conv Time 6.4us max.
69▼	ADC8S	1		3DM	2.4%	.40*	15	15	1.4 †	0	70	K0138	M362	8 bits,Acc±1/2LSB;TC ±60ppm/°C.
70▼	ADC10QMET	1		3DM	2 4%	.40*	15	15	1 9 †	-55	125	K0133	M365	10 bits,Conv.Time 22us max.
71▼	ADC10QMSN	1		3DM	2.4%	40*	15	15	1.9 †	0	70	K0133	M365	10 bits,Conv.Time 22us max.
72▼	ADC10QU	1		3DM	2.4%	.40*	15	15	2.6 †	0	70	K0132b	M364f	10 bits;Acc±1/2LSB;Conv.Time 8.0us max.
73▼	ADC10Z	1		3DM	2.4%	.40*	15	15	1.4 †	0	70	K0135	M364e	10 bits;Acc±1/2LSB max;Conv.Time 20us max
74▼	ADC12QMET	1		3DM	2.4%	40*	15	15	1.9 †	-55	125	K0133a	M365	12 bits or 3BCD digits;Conv.Time 25us max
75▼	ADC12QMSN	1		3DM	2.4%	40*	15	15	1.9 †	0	70	K0133a	M365	12 bits or 3BCD digits;Conv.Time 25us max
76▼	ADC12QU	1		3DM	2.4%	.40*	15	15	2.6 †	0	70	K0132	M364f	12 bits;Acc±1/2LSB;Conv.Time 15us max.
77▼	ADC12QZ	1		3DM	2.4%	40*	15	15	1.8 †	0	70	K0134	M364d	12 bits,Acc±1/2LSB max,Conv.Time40us max
78▼	ADC14I	1		3DM	2.4%	.40*	15	15	1.9 †	0	70	K0131a	M363a	14 bits;plus sign,Conv.Time 40ms max.
79▼	ADC16Q	1		3DM	2.4%	40*	15	15	3.5 §	0	70		M367	16 Bits,Linearity Error ± 005% max.
80▼	ADC17I	1		3DM	2 4%	.40*	15	15	1 9 †	0	70	K0131	M363	4 1/2BCD digits plus sign;Conv.Time40usmax
81▼	ADC1100	1		3DM	2 4%	.40*	0.0	5.0	1.2 §	0	70	K0136	M364c	3 1/2Digits;Acc ±.050%;Conv.Time 42ms max
82▼	ADC1103-001	1		3DM	2.4%	.40*	15	15	3.9 §	0	70	K0137b	M364b	8 bits;Acc±1LSB max;Conv.Time 1.0us max.
83▼	ADC1103-002	1		3DM	2 4%	.40*	15	15	3.9 §	0	70	K0137a	M364a	10 bits;Acc±1/2LSB max;Conv.Time1.5us max
84▼	ADC1103-003	1		3DM	2.4%	.40*	15	15	3.9 §	0	70	K0137	M364	12 bits;Acc±1/2LSB max;Conv.Time3.5us max
85▼	SDC1602507	1	500	3DM	2.4%	40*	15	15	2.8 §	0	70		M376b	Tracking Synchro-To-Digital.
86▼	SDC1602607	1	500	3DM	2.4%	.40*	15	15	2.8 §	-55	105		M376b	Tracking Synchro-To-Digital.
87▼	SDC1603507	1	500	3DM	2.4%	.40*	15	15	2.2 §	0	70		M376c	Tracking Synchro-to-Digital.
88▼	SDC1603607	1	500	3DM	2.4%	.40*	15	15	2.2 §	-55	105		M376c	Tracking Synchro-to-Digital.
89▼	STM163062Z	1	500	3DM	2 4%	.40*	15	15	2.2 §	-55	105		M377	Tracking Synchro-to-Digital.
90▼	STM163162Z	1	500	3DM	2.4%	.40*	15	15	2.8 §	-55	105		M377	Tracking Synchro-To-Digital.
91▼	SDC160251Z	1	1.5k	3DM	2.4%	.40*	15	15	2 8 §	0	70		M376	Tracking Synchro-To-Digital.
92▼	SDC160261Z	1	1.5k	3DM	2.4%	.40*	15	15	2 8 §	-55	105		M376	Tracking Synchro-To-Digital.
93▼	SDC160351Z	1	1.5k	3DM	2.4%	.40*	15	15	2.2 §	0	70		M376a	Tracking Synchro-to-Digital.
94▼	SDC160361Z	1	1.5k	3DM	2 4%	.40*	15	15	2 2 §	-55	105		M376a	Tracking Synchro-to-Digital.
95▼	STM163052Z	1	1.5k	3DM	2.4%	40*	15	15	2.2 §	0	70		M377	Tracking Synchro-to-Digital.
96▼	MONOAD124-08CW3	1	1.0M	MOH	2.4	.40	15	15	800m	0	70	K0130		12 Bit;Linearity .2% max;Tc 60ppm max.
97▼	MONOAD124-08DW3	1	1.0M	MOH	2 4	.40	15	15	800m	0	70	K0130		12 Bit;Linearity .2% max;Tc 120ppm max.
98▼	MONOAD124-09CW3	1	1.0M	MOH	2.4	.40	15	15	800m	0	70	K0130		12 Bit;Linearity .1% max;Tc 60ppm max.
99	MONOAD124-10CW3	1	1 0M	MOH	2.4	.40	15	15	800m	0	70	K0130		12 Bit;Linearity .05% max,tc 60ppm max.
100	6409	1		PCB	2.4%	.50*	15	15	1.7	0	70		CB63a	9 Bit;Acc ±.20%;Tc ±30PPM/°C
101	6409A	1		PCB	2.4%	.50*	15	15	1.7	0	70		CB63a	9 Bit;Acc ±.20%;Tc ±30PPM/°C
102	6410	1		PCB	2.4%	50*	15	15	1 7	0	70		CB63	10 Bits;Acc ±.10%;Tc ±20PPM/°C
103	6410A	1		PCB	2.4%	50*	15	15	1.7	0	70		CB63	10 Bits;Acc ±.10%;Tc ±20PPM/°C
104	6412	1		PCB	2 4%	.50*	15	15	1 7	0	70		CB63	12 Bits;Acc ±.015%,Tc ±10PPM/°C
105	6412A	1		PCB	2 4%	50*	15	15	1.7	0	70		CB63	12 Bits;ACC ± 015%;Tc ±10PPM/°C
106	6413	1		PCB	2 4%	.50*	15	15	1.7	0	70		CB63	13 Bits;Acc± 015%;Tc±10ppm/°C.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	6413A	1		PCB	2.4%	.50*	15	15	1.7	0	70		CB63	13 Bits;Acc ±.015%;Tc ±10PPM/°C
2	7510	1	10M	3DM	2.4%	.50*	15	15	900m	-55	100			4 Bit,VI ±10V, Straight Binary.
3	7511	1	10M	3DM	2.4%	.50*	15	15	1.1	-55	100			6 Bit,VI ±10V, Straight Binary.
4	7512	1	10M	3DM	2.4%	.50*	15	15	1.4	-55	100			8 Bit,VI ±10V, Straight Binary.
5	7513	1	10M	3DM	2.4%	50*	15	15	1.7	-55	100			10 Bit,VI ±10V, Straight Binary.
6	7530	1	50M	3DM	2.4%	.50*	15	15	3.2	-55	100		M343	4 Bit;VI 10VFS;Straight Binary.
7	770-755-0-20-0	1	2.0M	3DM	2.4%	.60*†	22	22	3.6	0	40		MØ	8 Bit W/Straight Binary Output Code
8	770-755-0-20-1	1	2.0M	3DM	2.4%	.60*†	22	22	3.6	0	40		MØ	8 Bit W/Ones Complement Output Code.
9	770-755-0-20-2	1	2.0M	3DM	2.4%	.60*†	22	22	3.6	0	40		MØ	8 Bit W/Twos Complement Output Code.
10	770-755-0-20-3	1	2.0M	3DM	2.4%	.60*†	22	22	3.6	0	40		MØ	8 Bit W/Offset Binary Output Code.
11	770-755-2-20-0	1	2.0M	3DM	2.4%	.60*†	22	22	3.6	0	40		MØ	10 Bit W/Straight Binary Output Code
12	770-755-2-20-1	1	2.0M	3DM	2.4%	60*†	22	22	3.6	0	40		MØ	10 Bit W/Ones Complement Output Code.
13	770-755-2-20-2	1	2.0M	3DM	2.4%	.60*†	22	22	3.6	0	40		MØ	10 Bit W/Twos Complement Output Code.
14	770-755-2-20-3	1	2.0M	3DM	2.4%	.60*†	22	22	3.6	0	40		MØ	10 Bit W/Offset Binary Output Code.
15	770-755-4-20-0	1	2.0M	3DM	2.4%	.60*†	22	22	3.6	0	40		MØ	12 Bit W/Straight Binary Output Code.
16	770-755-4-20-1	1	2.0M	3DM	2.4%	.60*†	22	22	3.6	0	40		MØ	12 Bit W/Ones Complement Output Code
17	770-755-4-20-2	1	2.0M	3DM	2.4%	.60*†	22	22	3.6	0	40		MØ	12 Bit W/Twos Complement Output Code.
18	770-755-4-20-3	1	2.0M	3DM	2.4%	.60*†	22	22	3.6	0	40		MØ	12 Bit W/Offset Binary Output Code.
19	770-756-0-20-0	1	2.0M	3DM	2.4%	.60*†	22	22	3.6	0	50		MØ	8 Bit W/Straight Binary Output Code.
20	770-756-0-20-1	1	2.0M	3DM	2.4%	.60*†	22	22	3.6	0	50		MØ	8 Bit W/ones Complement Output Code.
21	770-756-0-20-2	1	2.0M	3DM	2.4%	.60*†	22	22	3.6	0	50		MØ	8 Bit W/Twos Complement Output Code.
22	770-756-0-20-3	1	2.0M	3DM	2.4†	.60*†	22	22	3.6	0	50		MØ	8 Bit W/Offset Binary Output Code.
23	770-756-2-20-0	1	2.0M	3DM	2.4%	.60*†	22	22	3.6	0	50		MØ	10 Bit W/Straight Binary Output Code.
24	770-756-2-20-1	1	2.0M	3DM	2.4%	.60*†	22	22	3.6	0	50		MØ	10 Bit W/Ones Complement Output Code.
25	770-756-2-20-2	1	2.0M	3DM	2.4%	.60*†	22	22	3.6	0	50		MØ	10 Bit W/Twos Complement Output Code.
26	770-756-2-20-3	1	2.0M	3DM	2.4%	.60*†	22	22	3.6	0	50		MØ	10 Bit W/Offset Binary Output Code.
27	770-756-4-20-0	1	2.0M	3DM	2.4%	.60*†	22	22	3.6	0	50		MØ	12 Bit W/Straight Binary Output Code.
28	770-756-4-20-1	1	2.0M	3DM	2.4%	.60*†	22	22	3.6	0	50		MØ	12 Bit W/Ones Complement Output Code.
29	770-756-4-20-2	1	2.0M	3DM	2.4%	.60*†	22	22	3.6	0	50		MØ	12 Bit W/Twos Complement Output Code.
30	770-756-4-20-3	1	2.0M	3DM	2.4%	.60*†	22	22	3.6	0	50		MØ	12 Bit W/Offset Binary Output Code.
31	ZD460	1		PCB	2.4%	.70*	15	15	300m%	0	70	K0122	M301	8 Bit;Conv.Time 50us;Acc ±.20%.
32	ZD461	1		PCB	2.4%	.70*	15	15	300m%	0	70	K0122	M301	10 Bit;Conv.Time 100us;Acc ±.05%.
33	ZD462	1		PCB	2.4%	.70*	15	15	300m%	0	70	K0122a	M301	12 Bit;Conv.Time 200us;Acc ±0.01%.
34	ZD470	1		PCB	2.4%	.70*	15	15	300m%	0	70	K0122	M301	8 Bit;Conv.Time 15us;Acc ±0.2%.
35	ZD471	1		PCB	2.4%	.70*	15	15	300m%	0	70	K0122	M301	10 Bit;Conv Time 30us;Acc ±0.05%.
36	MN502	1	1.0MΔ	TFH	2.4%	.80*	15	15	900m§	0	70	K0126	M325	8 Bit;Vi 0.0V to-10V,±1/2Bit Linearity.
37	MN502H	1	1.0MΔ	TFH	2.4%	.80*	15	15	900m§	-55	125	K0126	M325	8 Bit;Vi 0.0V to -10V,±1/2Bit Linearity.
38	MN503	1	1.0MΔ	TFH	2.4%	.80*	15	15	900m§	0	70	K0126	M325	8 Bit,Vi 5.0V to-5.0V,±1/2Bit Linearity.
39	MN503H	1	1.0MΔ	TFH	2.4%	.80*	15	15	900m§	-55	125	K0126	M325	8 Bit,Vi 5.0V to-5.0V,±1/2Bit Linearity.
40	ADC590-2BCD	1		3DM	2.5	.50†	15	15	900m%	0	70		M304d	BCD;Conv. Time 200us max.
41	ADC590-8	1		3DM	2.5	.50†	15	15	900m%	0	70		M304d	Binary;Conv. Time 200uS max.
42▼	ADC591-8	1		3DM	2.5	.50	15	15		0	70	K0416	M302h	Acc .2%F.S.,Conv.Time 800nS/1uS max.
43▼	ADC591-10	1		3DM	2 5	.50	15	15	1.2 %	0	70	K0147	M302j	Stab ±0.05% F.S;Conv.Time 1 2uS max.
44▼	ADC591-12A	1		3DM	2 5	.50	15	15	1.1 %	0	70	K0148	M302j	Stab ±0.0125%;Conv.Time 3.5uS max.
45▼	ADC591-12C	1		3DM	2.5	.50	15	15	1.1 %	0	70	K0148	M302j	Stab ±0.05%;Conv.Time 3.0uS max.
46▼	ADC592-8	1		3DM	2.5	.50	15	15		0	70	K0416	M302h	Acc .2% F.S;Conv.Time 800nS/1uS max
47▼	ADC592-10	1		3DM	2.5	.50	15	15	1.2 %	0	70	K0147	M302j	Stab ±0.05% F.S;Conv.Time 1.0uS max.
48♦	ADC540-8	1	200k	3DM	2.5	.50†	15	15	900m%	0	70		M304c	8Bit;Conv.Time 5us max.
49♦	ADC540WB8	1	330k	3DM	2.5	.50†	15	15	900m%	0	70		M304c	8Bit;Conv. Time 3us max.
50	MADC10-04	1		PCB	3.0%	0.0	15	15		15	50		CB37c	10 Bit ADC;16 Channel Multiplexer.
51	770-754-1-20-0	1	280k	3DM	3.0	0.0†	22	22	3.6	0	60		MØ	13 Bit W/Straight Binary Output Code.
52	770-754-1-20-1	1	280k	3DM	3.0	0.0†	22	22	3.6	0	60		MØ	13 Bit ones Complement Output Code.
53	770-754-1-20-2	1	280k	3DM	3.0	0.0†	22	22	3.6	0	60		MØ	13 Bit Twos Complement Output Code.
54	770-754-1-20-3	1	280k	3DM	3.0	0.0†	22	22	3.6	0	60		MØ	13 Bit Offset Binary Output Code.
55	770-754-1-20-4	1	280k	3DM	3.0	0.0†	22	22	3 6	0	60		MØ	13 Bit BCD Nines Complement Output Code.
56	MADC13	1	80k	PCB	3.0	.20*†	15	15					CB37c	13 Bit ADC.
57	MADC10	1	100k	PCB	3.0	.20*†	15	15					CB37c	10 Bit ADC.
58▼	MN5060	1	130kΔ	TFH	9.0%	3.0*	0.0	12	102m§	0	70	K0144	M326	8 Bit CMOS;Vi-5 to 5V;Linearity±1/2LSB.
59▼	MN5060H	1	130kΔ	TFH	9.0%	3.0*	0.0	12	102m§	-55	125	K0144	M326	8 Bit CMOS;Vi-5 to 5V;Linearity±1/2LSB.
60	3751-4-6H	1	250k	MOS	-9.0%	-2.0*	30	0.0	190m	-55	150		M132	12 bit A/D converter.
61▼	ADC12QLJ	1		3DM	15%	0.0*	15	15	250m	-25	85		M366	12 bits,Temp Stability±50ppm/°C max.
62▼	ADC12QLK	1		3DM	15%	0 0*	15	15	250m	-25	85		M366	12 bits;Temp.Stability ±20ppm/°C max.
63	A851	2		TTL			15	15	2.7 §					12 Bit High Speed.
64	A856	2		TTL			15	15	8.5 §	0	60			16 Bit.
65	A862	2							3.0 §				MØ	12 Bit,Accuracy 20ppm/°C.
66	BDAC1	2		3DM			15	15	2 0	-55	85	K0257	M211	13 bit;Acc ±.002%;Vo ±10V;CMRR 60db min.
67	BDAC3	2		3DM			15	15	2.0	0	70	K0257	M211	13 bit;Acc. ±.002%;Vo ±10V;CMRR 60db min.
68	CDA10	2		MOH			35	0 0	1.4	-55	125	K0239	CN48g	Ladder switches for D/A converters.
69	CDA11	2					15	0.0				K0224b	CN50	Ladder switch for up to 12 bit converters.
70	CDA11S12	2					15	0.0				K0224b	CN50	Ladder switch for up to 12 bit converters.
71▼	DAC385I2BCD	2		3DM			0.0	15	16m%	0	70	K0282a	M309c	Anal Linearity ±1/2LSB.
72▼	DAC385I8	2		3DM			0 0	15	16m%	0	70	K0282a	M309c	Aanl Linearity ±1/2LSB.
73	DDAC10-1	2		3DM			15	15	3.1 §	-55	85			Glitchless D/A Conv;Acc ±.05% of F.S.
74	DDAC10-3	2		3DM			15	15	3.1 §	0	70			Glitchless D/A Conv,Acc ±.05% of F.S.
75	DDAC11-1	2		3DM			15	15	3.1 §	-55	85			Glitchless D/A Conv;Acc ±.025% of F.S.
76	DDAC11-3	2		3DM			15	15	3 1 §	0	70			Glitchless D/A Conv;Acc ±.025% of F.S.
77	DDAC12-1	2		3DM			15	15	3.1 §	-55	85			Glitchless D/A Conv;Acc ±.0125% of F.S.
78	DDAC12-3	2		3DM			15	15	3.1 §	0	70			Glitchless D/A Conv;Acc ±.0125% of F.S.
79	EDAC8-1	2		3DM			15	15	1.6	-55	85		MØ	8 Bit;VI ±15V;IC 70mA.
80	EDAC8-3	2		3DM			15	15	1.6	0	50		MØ	8 Bit;VI ±15V;IC 70mA.
81	EDAC9-1	2		3DM			15	15	1.6	-55	85		MØ	9 Bit;VI ±15V;IC 70mA.
82	EDAC9-3	2		3DM			15	15	1.6	0	50		MØ	9 Bit;VI ±15V;IC 70mA.
83	EDAC10-1	2		3DM			15	15	1.6	-55	85		MØ	10 Bit;VI ±15V;IC 70mA.
84	EDAC10-3	2		3DM			15	15	1.6	0	50		MØ	10 Bit;VI ±15V;IC 70mA.
85	EDAC11-1	2		3DM			15	15	1 6	-55	85		MØ	11 Bit;VI ±15V;IC 70mA.
86	EDAC11-3	2		3DM			15	15	1.6	0	50		MØ	11 Bit;VI ±15V;IC 70mA.
87	EDRC-L1	2		3DM			15	15	4.4 §	-55	125		M333	Dig. to Resolver Conv;Vo11.8Vrms at 400Hz
88	EDRC-L3	2		3DM			15	15	4.4 §	0	70		M333	Dig. to Resolver Conv;Vo11.8Vrms at 400Hz
89	EDSC6-1	2		3DM			15	15	4.4 §	-55	85		M332	Dig. to Synchro Conv;Vo 90Vrms at 50-60Hz
90	EDSC6-3	2		3DM			15	15	4.4 §	0	70		M332	Dig. to Synchro Conv;Vo 90Vrms at 50-60Hz
91	EDSC-H1	2		3DM			15	15	4.4 §	-55	125		M333	Dig. to Synchro Conv;Vo 90Vrms at 400Hz
92	EDSC-H3	2		3DM			15	15	4 4 §	0	70		M333	Dig. to Synchro Conv;Vo 90Vrms at 400Hz.
93	EDSC-L1	2		3DM			15	15	4.4 §	-55	125		M333	Dig. to Synchro Conv;Vo 11.8Vrms at 400Hz
94	EDSC-L3	2		3DM			15	15	4.4 §	0	70		M333	Dig. to Synchro Conv;Vo 11.8Vrms at 400Hz
95	HDAC9-1	2		3DM			15	5.0	2.0	-55	85		M174	Fast settling 9-12 bit D/A conv;Acc.20%.
96	HDAC9-3	2		3DM			15	5.0	2.0	0	50		M174	Fast settling 9-12 bit D/A conv;Acc.20%.
97	HDAC10-1	2		3DM			15	5.0	2.0	-55	85		M174	Fast settling 9-12 bit D/A conv;Acc.10%.
98	HDAC10-3	2		3DM			15	5.0	2.0	0	50		M174	Fast settling 9-12 bit D/A conv;Acc.10%.
99	HDAC11-1	2		3DM			15	5.0	2.0	-55	85		M174	Fast settling 9-12 bit D/A conv.ACC.05%.
100	HDAC11-3	2		3DM			15	5 0	2.0	0	50		M174	Fast settling 9-12 bit D/A conv;Acc.05%.
101	HDAC12-1	2		3DM			15	5 0	2.0	-55	85		M174	Fast settling 9-12 bit D/A conv;Acc.025%.
102	HDAC12-3	2		3DM			15	5.0	2.0	0	50		M174	Fast settling 9-12 bit D/A conv;Acc.025%.
103	HX630	2					18	20	800m	-55	125	K0260	FP73	Qunituple D/A Switch for D/A and A/D conv.
104	MDRC-H1	2		3DM			15	15	1.3 †	-55	85	K02118	M336	Dig to Resolver Conv;Vi 115Vrms at 400Hz
105	MDRC-H3	2		3DM			15	15	1.3 †	0	70	K02118	M336	Dig to Resolver Conv;Vi 115Vrms at 400Hz.
106	MDRC-L1	2		3DM			15	15	1.3 †	-55	85	K02118	M336	Dig to Resolver Conv;Vi 26Vrms at 400Hz.
107	MDRC-L3	2		3DM			15	15	1.3 †	0	70	K02118	M336	Dig to Resolver Conv;Vi 26Vrms at 400Hz.
108	MEM2009	2		MOS					150mΔ	-50	125	K3066	TO87	P-Ch Mx;Vgst-6.0V max;Id(on)-6 0mA.
109	MEM2017	2		MOS					50mΔ	-50	125	K3066	TO87	P-Ch Mx;Vgst-6.0V max;Id(on)-3 0mA.
110	NDAC8-1	2		3DM			15	15	6.6 †	-55	125		M322	8 Bits;Acc .20%;Settling time 50us.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	NDAC8-3	2		3DM			15	15	6.6 †	0	70		M322	8 Bits;Acc .20%;Settling time 50us.
2	NDAC10-1	2		3DM			15	15	6.6 †	-55	125		M322	10 Bits,Acc .05%;Settling time 75us.
3	NDAC10-3	2		3DM			15	15	6.6 †	0	70		M322	10 Bits;Acc .05%;Settling time 75us.
4	SDAC10-1	2		3DM			15	15	1.2 †	-55	85			13 Bits;Vo ±2.5V,5V,10V;Acc ±.05% FS.
5	SDAC10-3	2		3DM			15	15	1.2 †	0	70			13 Bits,Vo ±2.5V,5V,10V;Acc ±.05% FS.
6	SDAC11-1	2		3DM			15	15	1.2 †	-55	85			13 Bits;Vo ±2.5V,5V,10V;Acc ±.025% FS.
7	SDAC11-3	2		3DM			15	15	1.2 †	0	70			13 Bits;Vo ±2 5V,5V,10V;Acc ±.025% FS.
8	SDAC12-1	2		3DM			15	15	1.2 †	-55	85			13 Bits,Vo ±2.5V,5V,10V;Acc ±.0125% FS.
9	SDAC12-3	2		3DM			15	15	1.2 †	0	70			13 Bits;Vo ±2.5V,5V,10V;Acc ±.0125% FS.
10	UDAC9-1	2		3DM			15	15	1.5	-55	85		MØ	9 Bit;VI ±15V;Ic 70mA.
11	UDAC9-3	2		3DM			15	15	1.5	0	50		MØ	9 Bit;VI ±15V,Ic 70mA.
12	ZD354M1	2		3DM			15	15	975m	0	70		M300	14Bit;.025%linearity 1.0us Settling Time.
13	ZD354M2	2		3DM			15	15	975m	0	70		M300	14Bit;.005%Lin. 1.0us Settling Time.
14	ZD364M1	2		3DM			15	15	975m	0	70		M300	14Bit;0.0025% Linearity 30us Settling.
15	ZD364M2	2		3DM			15	15	975m	0	70		M300	14Bit;.005% Linearity 30us Settling Time.
16	ZD374M1	2		3DM			15	15	975m	0	70		M300	14Bit;.025% Linearity 50us Settling Time.
17	ZD374M2	2		3DM			15	15	975m	0	70		M300	14Bit;.005% Linearity 50us Settling Time.
18	ZD384M1	2		3DM			15	15	975m	0	70		M300	14Bit;.025% Linearity 2.0us Settling Time.
19	ZD384M2	2		3DM			15	15	975m	0	70		M300	14Bit;.005% Linearity 5.0us Settling Time.
20	ZD394M1	2		3DM			15	15	975m	0	70		M300	14Bit;.025% Linearity 3.0us Settling Time.
21	ZD394M2	2		3DM			15	15	975m	0	70		M300	14Bit;.005% Linearity 3.0us Settling Time.
22	ZD442	2		3DM			15	15	525m	0	70	K0270	M300	12Bits;5.0us Settling Time;V00 To 10V.
23	ADAC1	2	400	3DM			15	15	900m†	-55	85	K02117	M173	13 Bit Binary AC;Acc ±.006% of F.S
24	ADAC1BCD	2	400	3DM			15	15	1.6 †	0	50	K02117	M331	13 Bit BCDAC;Acc ±1.0mV% of F.S.
25	ADAC3	2	400	3DM			15	15	900m†	0	70	K02117	M173	13 Bit Binary AC;Acc ±.006% of F.S.
26	ADAC3BCD	2	400	3DM			15	15	1.6 †	0	50	K02117	M331	13 Bit BCDAC;Acc ±1.0mV% of F.S.
27	315-8	2	100kØ	3DM			15	15	900m%	0	70	K0280	M230	8-Bit Multiplying D/A Converter.
28	315-10	2	100kØ	3DM			15	15	900m%	0	70	K0280	M230	10-Bit Multiplying D/A Converter.
29	315-11	2	100kØ	3DM			15	15	900m%	0	70	K0280	M230	11-Bit Multiplying D/A Converter
30	315-12	2	100kØ	3DM			15	15	900m%	0	70	K0280	M230	12-Bit Multiplying D/A Converter.
31	315BCD	2	100kØ	3DM			15	15	900m%	0	70	K0280	M230	BCD-Multiplying D/A Converter
32	770-712-80	2	100k	3DM			0.0	22		0	50		MØ	8 Bit D/A Converter.
33	770-712-120	2	100k	3DM			0.0	22		0	50		MØ	12Bit D/A Conv. Also 9-11 Bits.
34	MLA4	2	100k	PCB			12	12	720m	0	70	K0223	CB53	One 4 Bit Ladder Adder
35	MDAC1	2	500k	3DM			15	15	1.0	-55	85		M289	12 Bit;Binary, 1 com, 2 com, offset bin.
36	MDAC2	2	500k	3DM			15	15		-25	70		M289	12 Bit;Binary, 1 com, 2 com, offset bin.
37	MDAC3	2	500k	3DM			15	15		0	50		M289	12 Bit;Binary, 1 com, 2 com, offset bin
38	UDAC11-1	2	1.0MØ%	3DM			15	15	1.3 †	-55	85		M321	14 Bits;Acc .02%;Settling time 10us max.
39	UDAC11-3	2	1.0MØ%	3DM			15	15	1.3 †	0	70		M321	14 Bits;Acc .02%;Settling time 10us max.
40	UDAC12-1	2	1.0MØ%	3DM			15	15	1.3 †	-55	85		M321	14 Bits;Acc .012%;Settling time 10us max.
41	UDAC12-3	2	1.0MØ%	3DM			15	15	1 3 †	0	70		M321	14 Bits,Acc .012%;Settling time 10us max.
42	UDAC13-1	2	1.0MØ%	3DM			15	15	1.3 †	-55	85		M321	14 Bits;Acc .006%;Settling time 10us max.
43	UDAC13-3	2	1 0MØ%	3DM			15	15	1.3 †	0	70		M321	14 Bits;Acc .006%;Settling time 10us max.
44	UDAC14-1	2	1 0MØ%	3DM			15	15	1.3 †	-55	85		M321a	14 Bits;Acc .003%;Settling time 10us max.
45	UDAC14-3	2	1.0MØ%	3DM			15	15	1.3 †	0	70		M321a	14 Bits;Acc .003%;Settling time 10us max.
46	RDAC10-1	2	2.0MØ%	3DM			15	15	2.2 †	-55	85		M321	13 Bits;Acc .05%;Settling time 4.0us max.
47	RDAC10-2	2	2.0MØ%	3DM			15	15	2.2 †	-25	70		M321	13 Bits;Acc .05%;Settling time 4.0us max.
48	RDAC11-1	2	2.0MØ%	3DM			15	15	2.2 †	-55	85		M321	13 Bits;Acc .025%;Settling time 4.0us max
49	RDAC11-2	2	2.0MØ%	3DM			15	15	2.2 †	-25	70		M321	13 Bits;Acc 025%;Settling time 4.0us max
50	RDAC12-1	2	2.0MØ%	3DM			15	15	2.2 †	-55	85		M321	13 Bits;Acc .012%;Settling time 4.0us max.
51	RDAC12-2	2	2.0MØ%	3DM			15	15	2.2 †	-25	70		M321	13 Bits;Acc .012%;Settling time 4.0us max.
52	SH8090FM	2	100kΔ	MOH	0.0%	-30*	5.0	0.0	300m	-20	85	K02120	FP102	MOS;8 and 10-Bit Data Lengths.
53	6430	2		PCB	.40*	2 4%	15	15	2.0	0	70	K0279b	CB62a	10 Bit;Acc .05%;tc 50PPM/°C
54	6432	2		PCB	.40*	2 4%	15	15	2.0	0	70	K0279a	CB62a	12 Bit;Acc .012%;tc 10PPM/°C
55	6433	2		PCB	.40*	2.4%	15	15	2.0	0	70	K0279	CB62a	13 Bits;Acc .012%;tc 10PPM/°C
56	6433A	2		PCB	.40*	2.4%	15	15	2 0	0	70	K0279	CB62a	13 Bit;Acc .025%;tc 20PPM/°C
57	DAC329	2		3DM	.50*	2.5%	15	15	450m%	0	70	K0281	M281	8-Bit Binary or 2 Decade BCD Coding.
58	MN301	2		TFH	.80*	2.0%	15	15	400m§	0	70	K0261	M244	6 Bit;Vo 0.0 to -10V,or 5.0 to -5.0V F.S.
59	MN301H	2		TFH	.80*	2.0%	15	15	400m§	-55	125	K0261	M244	6 Bit;Vo 0.0 to -10V,or 5.0 to -5.0V F.S.
60	CDAS1	2		MOH	1.8%	.45*	15	0.0		-55	125		CN66	8Bit D/A Ladder switching network.
61	CDAS1A	2		MOH	1.8%	45*	15	0.0		-55	125		CN66	CDAS1 with additional feedback resistance.
62	CDA1-1	2		MOH	1.8%	.70*	15	0.0		-55	125	K0224	CN6c	Ladder switches for D/A converters.
63	CDA1-2	2		MOH	1.8%	.70*	15	0.0		-55	125	K0224	CN6c	Ladder switches for D/A converters.
64	CDA1-3	2		MOH	1.8%	.70*	15	0.0		-55	125	K0225	CN6c	Ladder switches for D/A converters.
65♦	MN3008	2		TFH	2.0%	.40*	15	15	750m§	0	70		M386	8 Bit,Vo 0.0V to 4.0V F.S.;Int Ref.
66♦	MN3008H	2		TFH	2 0%	.40*	15	15	750m§	-55	125		M386	8 Bit;Vo 0.0V to 4.0V F.S.;Int Ref.
67	845B5	2		MOH	2 0%	.50*	15	15	1.1	-20	85	K0256	M195	8-bit D/A conv;Full scale range -10 to 5V.
68	845B10	2		MOH	2.0%	.50*	15	15	1.1	-20	85	K0256	M195	8-bit D/A conv;Full scale range-10 to 10V.
69	845U5	2		MOH	2.0%	.50*	15	15	1.1	-20	85	K0256	M195	8-bit D/A conv;Full scale range 0 to 5V.
70	845U10	2		MOH	2 0%	.50*	15	15	1.1	-20	85	K0256	M195	8-bit D/A conv;Full scale range 0 to 10V.
71	848Ø	2		MOH	2 0%	50*	15	15	1.1	-55	125	K0273	M196	11 Bit;Unipolar or Bipolar PSet Outp Volt.
72	869D1	2		MOH	2.0%	.80*	15	15	580m§	-55	125	K02116	M196c	Acc ±.05% FS;Vo ±10V;Ri 5.0mΩ.
73	869D2	2		MOH	2.0%	80*	15	15	580m§	-55	125	K02116	M196c	Acc ±.10% FS;Vo ±10V,Ri 5.0mΩ.
74	869D3	2		MOH	2.0%	.80*	15	15	580m§	-55	125	K02116	M196c	Acc ± 10% FS;Vo ±10V;Ri 5.0mΩ.
75	4002	2		PCB	2.0%	.80*	15	15	1.7	20	40			14 bit Deglitched;Voltage Output D to A.
76	4004	2		3DM	2.0%	.80*	15	15		0	70		M178b	12-bit±1/2LSB;Output Z 8kΩ nom.
77	4005	2		3DM	2.0%	.80*	15	15	50m	0	70		M178b	12-bit±1/2LSB;Output Z .30Ω max.
78	4008	2		3DM	2.0%	.80*	15	15	600m	0	70		M229	12 bit BCD Cur.Outp;300ns settling D to A.
79	4009	2		3DM	2 0%	80*	15	15	600m	0	70		M229	12 bit BCD Cur.Outp;5.0us settling D to A.
80	4010	2		3DM	2.0%	.80*	15	15	600m	0	70		M178	10 bit Cur.Outp,300nsec settling D to A.
81	4011	2		3DM	2.0%	.80*	15	15	600m	0	70		M178	10 bit Volt.Outp;5.0us settling D to A.
82	4012	2		3DM	2.0%	80*	15	15	1.0 §	0	70		MØ	4 Bits;Acc to 16 Bits;TC ±1 0ppm/°C max.
83	4013	2		3DM	2.0%	80*	15	15	1.0 §	0	70		MØ	4 Bits;Acc to 16 Bits;TC ±7.0ppm/°C max.
84	4014	2		3DM	2.0%	80*	15	15	4.5 §	0	70		MØ	12 Bits;Linear ±1/2LSB max;TC±10ppm/°C max
85	4015	2		3DM	2.0%	80*	15	15	4 5 §	0	70		MØ	12 Bits;Linear ±1/2LSB max;TC±10ppm/°Cmax
86	4016	2		3DM	2 0%	80*	15	15	4.5 §	0	70		MØ	13 Bits;Linear±1/2LSB max;TC ±10ppm/°C max
87	4017	2		3DM	2.0%	80*	15	15	4.5 §	0	70		MØ	13 Bits;Linear ±1/2LSM max;TC±10ppm/°Cmax
88	4018	2		3DM	2.0%	80*	15	15	4.5 §	0	70		MØ	14 Bits;Linear ±1/2LSB max;TC±10ppm/°C max
89	4019	2		3DM	2.0%	80*	15	15	4.5 §	0	70		MØ	14 Bits;Linear ±1/2LSB max;TC ±10ppm/°Cmax
90	4020	2		3DM	2.0%	80*	15	15	450m§	0	70		MØ	8 Bits;Linear ±1/2LSB max;TC±4.0ppm/°Cmax
91	4021	2		3DM	2.0%	80*	15	15	600m§	0	70		MØ	8 Bits;Linear ±1/2LSB max;TC±20ppm/°C max
92	4022	2		3DM	2.0%	80*	15	15	450m§	0	70		MØ	10 Bits,Linear ±1/2LSB max;TC±4.0ppm/°Cmax
93	4023	2		3DM	2.0%	80*	15	15	600m§	0	70		MØ	10 Bits;Linear ±1/2LSB max;TC±20ppm/°C max
94	4024	2		3DM	2.0%	80*	15	15	450m§	0	70		MØ	12 Bits,Linear ±1/2LSB max;TC±4.0ppm/°Cmax
95	4025	2		3DM	2.0%	80*	15	15	750m§	0	70		MØ	12 Bits,Linear ±1/2LSB max;TC±20ppm/°C max
96	4026	2		3DM	2.0%	80*	15	15	450m§	0	70		MØ	12 Bits;Linear ±1/2LSB max;TC±4.0ppm/°Cmax
97	4027	2		3DM	2.0%	80*	15	15	750m§	0	70		MØ	12 Bits;Linear ±1/2LSB max;TC±20ppm/°C max
98	4028	2		3DM	2.0%	80*	15	15	750m§	0	70		MØ	8 Bits;Linear ±1/2LSB;Zero TC±25ppm/°Cmax
99	4029	2		3DM	2.0%	80*	15	15	750m§	0	70		MØ	10 Bits;Linear ±1/2LSB;Zero TC±25ppm/°Cmax
100	AD550JD	2		MON	2.0%	80*	15	5.0	210m	0	70	K02103	T0116	Quad Current Switch;Nonlinearity 1.0% max.
101	AD550JF	2		MON	2.0%	80*	15	5.0	210m	0	70	K02103	T087	Quad Current Switch;Nonlinearity 1.0% max.
102	AD550KD	2		MON	2.0%	80*	15	5.0	210m	0	70	K02103	T0116	Quad Current Switch;Nonlinearity .10% max.
103	AD550KF	2		MON	2.0%	80*	15	5.0	210m	0	70	K02103	T087	Quad Current Switch;Nonlinearity 10% max.
104	AD550LD	2		MON	2 0%	80*	15	5.0	210m	0	70	K02103	T0116	Quad Current Switch;Nonlinearity .01% max.
105	AD550LF	2		MON	2.0%	80*	15	5.0	210m	0	70	K02103	T087	Quad Current Switch;Nonlinearity .01% max.
106	AD550SD	2		MON	2.0%	80*	15	5.0	210m	-55	125	K02103	T0116	Quad Current Switch;Nonlinearity 1.0% max.
107	AD550SF	2		MON	2.0%	80*	15	5.0	210m	-55	125	K02103	T087	Quad Current Switch;Nonlinearity 1.0% max.
108	AD550TD	2		MON	2.0%	80*	15	5.0	210m	-55	125	K02103	T0116	Quad Current Switch;Nonlinearity .10% max.
109	AD550TF	2		MON	2 0%	80*	15	5 0	210m	-55	125	K02103	T087	Quad Current Switch;Nonlinearity .10% max.
110	AD550UD	2		MON	2 0%	80*	15	5.0	210m	-55	125	K02103	T0116	Quad Current Switch;Nonlinearity .01% max.

LINE No.	5 TYPE No.	1 USE	4 MAX OPER-ATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	AD550UF	2		MON	2.0%	.80*	15	5.0	210m	-55	125	K02103	TO87	Quad Current Switch;Nonlinearity .01% max.
2	AD551JD	2		MON	2.0%	.80*	15	5.0	210m	0	70	K02104	TO116	Quad Current Switch;Nonlinearity 1.0% max.
3	AD551JF	2		MON	2.0%	.80*	15	5.0	210m	0	70	K02104	TO87	Quad Current Switch;Nonlinearity 1.0% max.
4	AD551KD	2		MON	2.0%	.80*	15	5.0	210m	0	70	K02104	TO116	Quad Current Switch;Nonlinearity .10% max.
5	AD551KF	2		MON	2.0%	.80*	15	5.0	210m	0	70	K02104	TO87	Quad Current Switch;Nonlinearity .10% max.
6	AD551LD	2		MON	2.0%	.80*	15	5.0	210m	0	70	K02104	TO116	Quad Current Switch;Nonlinearity .01% max.
7	AD551LF	2		MON	2.0%	.80*	15	5.0	210m	0	70	K02104	TO87	Quad Current Switch;Nonlinearity .01% max.
8	AD551SD	2		MON	2.0%	.80*	15	5.0	210m	-55	125	K02104	TO116	Quad Current Switch;Nonlinearity 1.0% max.
9	AD551SF	2		MON	2.0%	.80*	15	5.0	210m	-55	125	K02104	TO87	Quad Current Switch;Nonlinearity 1.0% max.
10	AD551TD	2		MON	2.0%	.80*	15	5.0	210m	-55	125	K02104	TO116	Quad Current Switch;Nonlinearity .10%max.
11	AD551TF	2		MON	2.0%	.80*	15	5.0	210m	-55	125	K02104	TO87	Quad Current Switch;Nonlinearity .10% max.
12	AD551UD	2		MON	2.0%	.80*	15	5.0	210m	-55	125	K02104	TO116	Quad Current Switch;Nonlinearity .01% max.
13	AD551UF	2		MON	2.0%	.80*	15	5.0	210m	-55	125	K02104	TO87	Quad Current Switch;Nonlinearity .01% max.
14	AD552JD	2		MON	2.0%	.80*	15	5.0	210m	0	70	K02105	TO116	5-Bit Current Switch;Nonlinearity 1.0% max
15	AD552KD	2		MON	2.0%	.80*	15	5.0	210m	0	70	K02105	TO116	5-Bit Current Switch;Nonlinearity .05% max
16	AD552SD	2		MON	2.0%	.80*	15	5.0	210m	-55	125	K02105	TO116	5-Bit Current Switch;Nonlinearity 1.0% max
17	AD552TD	2		MON	2.0%	.80*	15	5.0	210m	-55	125	K02105	TO116	5-Bit Current Switch;Nonlinearity .05% max
18	AD555JD	2		MON	2.0%	.80*	4.0	15	200m	0	70	K0258	TO116	Quad Voltage Switch;Max Offset 10mV max.
19	AD555JF	2		MON	2.0%	.80*	4.0	15	200m	0	70	K0258	TO87	Quad Voltage Switch;Max Offset 10mV max.
20	AD555KD	2		MON	2.0%	.80*	4.0	15	200m	0	70	K0258	TO116	Quad Voltage Switch;Max Offset 3.0mV max.
21	AD555KF	2		MON	2.0%	.80*	4.0	15	200m	0	70	K0258	TO87	Quad Voltage Switch;Max Offset 3.0mV max.
22	AD555LD	2		MON	2.0%	.80*	4.0	15	200m	0	70	K0258	TO116	Quad Voltage Switch;Max Offset 2.0mV max.
23	AD555LF	2		MON	2.0%	.80*	4.0	15	200m	0	70	K0258	TO87	Quad Voltage SW;Offset Voltage 2.0mV max.
24	AD555SD	2		MON	2.0%	.80*	4.0	15	200m	-55	125	K0258	TO116	Quad Voltage SW;Offset Voltage 10mV max.
25	AD555SF	2		MON	2.0%	.80*	4.0	15	200m	-55	125	K0258	TO87	Quad Voltage SW;Offset Voltage 10mV max.
26	AD555TD	2		MON	2.0%	.80*	4.0	15	200m	-55	125	K0258	TO116	Quad Voltage SW;Offset Voltage 3.0mV max.
27	AD555TF	2		MON	2.0%	.80*	4.0	15	200m	-55	125	K0258	TO87	Quad Voltage SW;Offset Voltage 3.0mV max.
28	AD555UD	2		MON	2.0%	.80*	4.0	15	200m	-55	125	K0258	TO116	Quad Voltage SW;Offset Voltage 2.0mV max.
29	AD555UF	2		MON	2.0%	.80*	4.0	15	200m	-55	125	K0258	TO87	Quad Voltage SW;Offset Voltage 2.0mV max.
30▼	DAC8QMET	2		3DM	2.0%	.80*	15	15	1.5 †	-55	125	K02127	M370	8 bits;Conv Speed 5.0us;SR 20/Vus
31▼	DAC8QMSN	2		3DM	2.0%	.80*	15	15	1.5 †	0	70	K02127	M370	8 bits;Conv.Speed 5.0us;SR 20/Vus.
32▼	DAC8QSET	2		3DM	2.0%	.80*	15	15	1.0 †	-55	125	K02127a	M371	8 bits;Conv.Speed 5.0us;SR 20/Vus.
33▼	DAC8QSSN	2		3DM	2.0%	.80*	15	15	1.0 †	0	70	K02127a	M371	8 bits,Conv.Speed 5.0us;SR 20/Vus.
34▼	DAC10QMET	2		3DM	2.0%	.80*	15	15	1.5 †	-55	125	K02127	M370	10 bits;Conv.Speed 5.0us;SR 20/Vus
35▼	DAC10QMSN	2		3DM	2.0%	.80*	15	15	1.5 †	0	70	K02127	M370	10 bits;Conv.Speed 5.0us;SR 20/Vus.
36▼	DAC10QSET	2		3DM	2.0%	.80*	15	15	1.0 †	-55	125	K02127a	M371	10 bits;Conv.Speed 5.0us;SR 20/Vus.
37▼	DAC10QSSN	2		3DM	2.0%	.80*	15	15	1.0 †	0	70	K02127a	M371	10 bits;Conv.Speed 5.0us;SR 20/Vus.
38▼	DAC12QMET	2		3DM	2.0%	.80*	15	15	1.5 †	-55	125	K02127	M370	12 bits;Conv.Speed 5.0us;SR 20/Vus.
39▼	DAC12QMSN	2		3DM	2.0%	.80*	15	15	1.5 †	0	70	K02127	M370	12 bits;Conv.Speed 5.0us;SR 20/Vus.
40▼	DAC12QSET	2		3DM	2.0%	.80*	15	15	1.0 †	-55	125	K02127a	M371	12 bits;Conv.Speed 5.0us;SR 20/Vus.
41▼	DAC12QSSN	2		3DM	2.0%	.80*	15	15	1.0 †	0	70	K02127a	M371	12 bits;Conv.Speed 5.0us;SR 20/Vus.
42	DAC20-08B-BOB	2		3DM	2.0%	.80*	15	15	2.0 %	-25	85	K0269	M254	8 Bit;Conv.Speed 3.0us max.
43	DAC20-08B-BTC	2		3DM	2.0%	.80*	15	15	2.0 %	-25	85	K0269	M254	8 Bit;Conv.Speed 3.0us max.
44	DAC20-08B-USB	2		3DM	2.0%	.80*	15	15	2.0 %	-25	85	K0269	M254	8 Bit;Conv.Speed 3.0us max.
45	DAC20-08U-BOB	2		3DM	2.0%	.80*	15	15	2.0 %	-25	85	K0269	M254	8 Bit;Conv.Speed 3.0us max.
46	DAC20-08U-USB	2		3DM	2.0%	.80*	15	15	2.0 %	-25	85	K0269	M254	8 Bit;Conv.Speed 3.0us max.
47	DAC20-10B-BOB	2		3DM	2.0%	.80*	15	15	2.0 %	-25	85	K0269	M254	10 Bit;Conv.Speed 3.0us max.
48	DAC20-10B-BTC	2		3DM	2.0%	.80*	15	15	2.0 %	-25	85	K0269	M254	10 Bit;Conv.Speed 3.0us max.
49	DAC20-10B-USB	2		3DM	2.0%	.80*	15	15	2.0 %	-25	85	K0269	M254	10 Bit;Conv.Speed 3.0us max.
50	DAC20-10U-BOB	2		3DM	2.0%	.80*	15	15	2.0 %	-25	85	K0269	M254	10 Bit;Conv.Speed 3.0us max.
51	DAC20-10U-USB	2		3DM	2.0%	.80*	15	15	2.0 %	-25	85	K0269	M254	10 Bit;Conv.Speed 3.0us max.
52	DAC20-12B-BCD	2		3DM	2.0%	.80*	15	15	2.0 %	-25	85	K0269	M254	12 Bit;Conv.Speed 5.0us max.
53	DAC20-12B-BOB	2		3DM	2.0%	.80*	15	15	2.0 %	-25	85	K0269	M254	12 Bit;Conv.Speed 5.0us max.
54	DAC20-12B-BTC	2		3DM	2.0%	.80*	15	15	2.0 %	-25	85	K0269	M254	12 Bit;Conv.Speed 5.0us max.
55	DAC20-12B-USB	2		3DM	2.0%	.80*	15	15	2.0 %	-25	85	K0269	M254	12 Bit;Conv.Speed 5.0us max.
56	DAC20-12U-BCD	2		3DM	2.0%	.80*	15	15	2.0 %	-25	85	K0269	M254	12 Bit;Conv.Speed 5.0us max.
57	DAC20-12U-BOB	2		3DM	2.0%	.80*	15	15	2.0 %	-25	85	K0269	M254	12 Bit;Conv.Speed 5.0us max.
58	DAC20-12U-USB	2		3DM	2.0%	.80*	15	15	2.0 %	-25	85	K0269	M254	12 Bit;Conv.Speed 5.0us max.
59	DAC40-08B-BOB	2		3DM	2.0%	.80*	15	15	2.0 †	-25	85	K0299	M302a	8 Bit;Output Voltage Range 0 to 10V.
60	DAC40-08B-BTC	2		3DM	2.0%	.80*	15	15	2.0 †	-25	85	K0299	M302a	8 Bit;Output Voltage Range 0 to 10V.
61	DAC40-08B-USB	2		3DM	2.0%	.80*	15	15	2.0 †	-25	85	K0299	M302a	8 Bit;Output Voltage Range 0 to 10V.
62	DAC40-08U-COB	2		3DM	2.0%	.80*	15	15	2.0 †	-25	85	K0299	M304	8 Bit;Output Voltage Range 0 to 10V.
63	DAC40-08U-CSB	2		3DM	2.0%	.80*	15	15	2.0 †	-25	85	K0299	M304	8 Bit;Output Voltage Range 0 to 10V
64	DAC40-08U-CTC	2		3DM	2.0%	.80*	15	15	2.0 †	-25	85	K0299	M304	8 Bit;Output Voltage Range 0 to 10V.
65	DAC40-10B-BOB	2		3DM	2.0%	.80*	15	15	2.0 †	-25	85	K0299	M302a	10 Bit;Output Voltage Range 0 to 10V.
66	DAC40-10B-BTC	2		3DM	2.0%	.80*	15	15	2.0 †	-25	85	K0299	M302a	10 Bit;Output Voltage Range 0 to 10V.
67	DAC40-10B-USB	2		3DM	2.0%	.80*	15	15	2.0 †	-25	85	K0299	M302a	10 Bit;Output Voltage Range 0 to 10V.
68	DAC40-10U-COB	2		3DM	2.0%	.80*	15	15	2.0 †	-25	85	K0299	M304	10 Bit;Output Voltage Range 0 to 10V.
69	DAC40-10U-CSB	2		3DM	2.0%	.80*	15	15	2.0 †	-25	85	K0299	M304	10 Bit;Output Voltage Range 0 to 10V.
70	DAC40-10U-CTC	2		3DM	2.0%	.80*	15	15	2.0 †	-25	85	K0299	M304	10 Bit;Output Voltage Range 0 to 10V.
71	DAC40-12B-BOB	2		3DM	2.0%	.80*	15	15	2.0 †	-25	85	K0299	M302a	12 Bit,Output Voltage Range 0 to 10V.
72	DAC40-12B-BTC	2		3DM	2.0%	.80*	15	15	2.0 †	-25	85	K0299	M302a	12 Bit;Output Voltage Range 0 to 10V.
73	DAC40-12B-USB	2		3DM	2.0%	.80*	15	15	2.0 %	-25	85	K0299	M302a	12 Bit,Output Voltage Range 0 to 10V.
74	DAC40-12U-CCD	2		3DM	2.0%	.80*	15	15	2.0 †	-25	85	K0299	M304	12 Bit;Output Voltage Range 0 to 10V.
75	DAC40-12U-COB	2		3DM	2.0%	.80*	15	15	2.0 †	-25	85	K0299	M304	12 Bit;Output Voltage Range 0 to 10V.
76	DAC40-12U-CSB	2		3DM	2.0%	.80*	15	15	2.0 †	-25	85	K0299	M304	12 Bit;Output Voltage Range 0 to 10V.
77	DAC40-12U-CTC	2		3DM	2.0%	.80*	15	15	2.0 †	-25	85	K0299	M304	12 Bit;Output Voltage Range 0 to 10V.
78	DAC50-08B-BOB	2		3DM	2.0%	.80*	15	15	2.0 †	-25	85	K0299	M302a	8 Bit;Output Voltage Range 0 to 10V
79	DAC50-08B-BTC	2		3DM	2.0%	.80*	15	15	2.0 †	-25	85	K0299	M302a	8 Bit;Output Voltage Range 0 to 10V.
80	DAC50-08B-USB	2		3DM	2.0%	.80*	15	15	2.0 †	-25	85	K0299	M302a	8 Bit;Output Voltage Range 0 to 10V.
81	DAC50-08U-COB	2		3DM	2.0%	.80*	15	15	2.0 †	-25	85	K0299	M304	8 Bit;Output Voltage Range 0 to 10V.
82	DAC50-08U-CSB	2		3DM	2.0%	.80*	15	15	2.0 †	-25	85	K0299	M304	8 Bit;Output Voltage Range 0 to 10V.
83	DAC50-08U-CTC	2		3DM	2.0%	.80*	15	15	2.0 †	-25	85	K0299	M304	8 Bit;Output Voltage Range 0 to 10V
84	DAC50-10B-BOB	2		3DM	2.0%	.80*	15	15	2.0 †	-25	85	K0299	M302a	10 Bit;Output Voltage Range 0 to 10V.
85	DAC50-10B-BTC	2		3DM	2.0%	.80*	15	15	2.0 †	-25	85	K0299	M302a	10 Bit;Output Voltage Range 0 to 10V.
86	DAC50-10B-USB	2		3DM	2.0%	.80*	15	15	2.0 †	-25	85	K0299	M302a	10 Bit,Output Voltage Range 0 to 10V.
87	DAC50-10U-COB	2		3DM	2.0%	.80*	15	15	2.0 †	-25	85	K0299	M304	10 Bit;Output Voltage Range 0 to 10V.
88	DAC50-10U-CSB	2		3DM	2.0%	.80*	15	15	2.0 †	-25	85	K0299	M304	10 Bit;Output Voltage Range 0 to 10V.
89	DAC50-10U-CTC	2		3DM	2.0%	.80*	15	15	2.0 †	-25	85	K0299	M304	10 Bit;Output Voltage Range 0 to 10V.
90	DAC50-12B-BCD	2		3DM	2.0%	.80*	15	15	2.0 †	-25	85	K0299	M302a	12 Bit,Output Voltage Range 0 to 10V.
91	DAC50-12B-BOB	2		3DM	2.0%	.80*	15	15	2.0 †	-25	85	K0299	M302a	12 Bit;Output Voltage Range 0 to 10V.
92	DAC50-12B-BTC	2		3DM	2.0%	.80*	15	15	2.0 †	-25	85	K0299	M302a	12 Bit;Output Voltage Range 0 to 10V.
93	DAC50-12B-USB	2		3DM	2.0%	.80*	15	15	2.0 †	-25	85	K0299	M302a	12 Bit;Output Voltage Range 0 to 10V.
94	DAC50-12U-CCD	2		3DM	2.0%	.80*	15	15	2.0 †	-25	85	K0299	M304	12 Bit;Output Voltage Range 0 to 10V.
95	DAC50-12U-COB	2		3DM	2.0%	.80*	15	15	2.0 †	-25	85	K0299	M304	12 Bit;Output Voltage Range 0 to 10V.
96	DAC50-12U-CSB	2		3DM	2.0%	.80*	15	15	2.0 †	-25	85	K0299	M304	12 Bit;Output Voltage Range 0 to 10V.
97	DAC50-12U-CTC	2		3DM	2.0%	.80*	15	15	2.0 †	-25	85	K0299	M304	12 Bit;Output Voltage Range 0 to 10V.
98	DAC60-10	2		3DM	2.0%	.80*	15	15	1.2 †	0	70	K02115	M304f	10 Bit;Settling Time 40ns;Linear ±1/2LSB.
99	DAC60-12	2		3DM	2.0%	.80*	15	15	1.2 †	0	70	K02115	M304f	12 Bit;Settling Time 150ns;Linear ±1/2LSB.
100	DAC85C-CBI-I	2		TFH	2.0%	.80*	15	15	800mt	0	70	K02109	M320	12 Bit;Io ±1.0,-2.0mA;Drift ±15ppm/°C.
101	DAC85C-CBI-V	2		TFH	2.0%	.80*	15	15	900mt	0	70	K02109	M320	12 Bit;Vo ±10V;Drift ±15ppm/°C.
102	DAC85C-CCD-I	2		TFH	2.0%	.80*	15	15	800mt	0	70	K02109	M320	3 Digit;Io -2.0mA;Drift ±15ppm/°C.
103	DAC85C-CCD-V	2		TFH	2.0%	.80*	15	15	900mt	0	70	K02109	M320	3 Digit;Vo 10V;Drift ±15ppm/°C
104	DAC85CBI-I	2		TFH	2.0%	.80*	15	15	800mt	-25	85	K02109	M320	12 Bit;Vo ±1.0V;Io -2.0mA;Drift ±10ppm/°C.
105	DAC85CBI-V	2		TFH	2.0%	.80*	15	15	900mt	-25	85	K02109	M320	12 Bit;Vo ±10V,Drift ±10ppm/°C.
106	DAC85CCD-I	2		TFH	2.0%	.80*	15	15	800mt	-25	85	K02109	M320	3 digit;Io -2.0mA,Drift ±10ppm/°C.
107	DAC85CCD-V	2		TFH	2.0%	.80*	15	15	900mt	-25	85	K02109	M320	3 Digit,Vo 10V,Drift ±10ppm/°C.
108▼	DAC375-3BCD	2		3DM	2.0%	.80*	18	18	81m%	0	70	K02139	M286a	Acc Linearity Error ±0 05% max.
109▼	DAC375-8	2		3DM	2.0%	.80*	18	18	81m%	0	70	K02139	M286a	Acc.Linearity Error ±0 10% max.
110▼	DAC375-10	2		3DM	2.0%	.80*	18	18	81m%	0	70	K02139	M286a	Acc Linearity Error ±0 05% max

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1▼	DAC375-11	2		3DM	2.0%	.80*	18	18	81m%	0	70	K02139	M286a	Acc Linearity Error ±0 025% max.
2▼	DAC375-12	2		3DM	2.0%	.80*	18	18	81m%	0	70	K02139	M286a	Acc Linearity Error ±0.0125% max.
3	MC1406L	2		MON	2.0%	.80*	0.0	5 0	120m	0	75	K0120	TO116	6 Bit;Multiplying D/A Converter.
4	MC1408L6	2		MON	2.0%	80*	0.0	5.0	1.0	0	75	K02107	M191	8-Bit Multiplying D/A Converter.
5	MC1408L7	2		MON	2.0%	.80*	0.0	5.0	1.0	0	75	K02107	M191	8-Bit Multiplying D/A Converter.
6	MC1408L8	2		MON	2.0%	.80*	0.0	5.0	1.0	0	75	K02107	M191	8-Bit Multiplying D/A Converter
7♦	MC1506L	2		MON	2.0%	80*	0.0	5.0	120m	-55	125	K0120	TO116	6 Bit;Multiplying D/A Converter
8	MC1508L8	2		MON	2.0%	80*	0.0	5.0	1.0	-55	125	K02107	M191	8-Bit Multiplying D/A Converter.
9	MN306	2		TFH	2.0%	.80*	15	0.0	400m	0	70	K0263	M244	8 Bit;Vo 39mV;Settling Time 100nS max.
10	MN307	2		3DM	2.0%	.80*	15	15	400m	0	70	K0264	M244	8 Bits;Tset 3.0us max.
11	MN308	2		TFH	2.0%	80*	15	15	400m	0	70	K0264	M244	2 Decade BCD;Load Current 5.0mA;SR .50V/us
12	MN308H	2		TFH	2.0%	.80*	15	15	400m	-55	125	K0264	M244	2 Decade BCD;Load Current 5.0mA;SR .50V/us
13♦	MN309	2		TFH	2.0%	.80*	15	15	400m§	0	70	K0265	M244	8 Bit;Load Current 5 0mA;SR .50V/us.
14▼	MN309H	2		TFH	2.0%	80*	15	15	400m§	-55	110	K0265	M244	8 Bit;Load Current 5.0mA;SR .50V/us.
15	MN310	2		TFH	2.0%	.80*	15	15	600m	0	70	K0266	M287	10 Bit;LSB ±1/2;Load Current 5.0mA.
16	MN310R	2		TFH	2.0%	.80*	15	15	600m	0	55	K0266	M287	10 Bit;LSB ±1;Load Current 5 0mA
17	MN316	2		3DM	2.0%	.80*	15	15	400m	0	70	K0267	M244	Bipolar Output 8 Bits;Tset 3.0us max.
18	MN319	2		3DM	2.0%	.80*	15	15	600m	0	70	K0266	M287	2 1/2 Decade BCD;Tset. 3.0us max.
19	MN321	2		3DM	2.0%	.80*	15	15	400m	0	70	K0267	M244	Positive Output 8 Bits;Tset 3.0us max.
20	MN325	2		3DM	2.0%	.80*	15	15	600m	0	70	K0266	M287	10 Bits;Tset 100ns max.
21	MN328	2		3DM	2.0%	.80*	15	15	1.1	0	70	K0287	M287	8 Bits;w/Storage Register;Tset 3.0us max.
22	MN328B	2		3DM	2.0%	.80*	15	15	1.1	0	70	K0287	M287	8 Bits;w/Storage Register;Tset 3.0us max.
23	MN329	2		TFH	2.0%	.80*	15	15	600m	0	70	K0288	M287	10 Bit;LSB ±1/2;Load Current 5.0mA.
24	MN329R	2		TFH	2.0%	.80*	15	15	600m	0	55	K0288	M287	10 Bit;LSB ±1;Load Current 5.0mA.
25	MN333	2		TFH	2.0%	.80*	0.0	15	400m	0	70	K0289	M244	8 Bit;Vo 39mV;Settling Time 100nS max.
26♦	MN3000	2		TFH	2.0%	.80*	15	15	585m	0	70	K02133	M244	8 Bit,Vo 0 0 to -10V F S;Int Ref.
27♦	MN3000H	2		TFH	2.0%	.80*	15	15	585m	-55	125	K02133	M244	8 Bit,Vo 0.0V to -10V F.S.;Int Ref.
28♦	MN3001	2		TFH	2.0%	.80*	15	15	585m	0	70	K02133	M244	8 Bit;Vo 5.0V to -5.0V F.S ;Int Ref
29♦	MN3001H	2		TFH	2.0%	.80*	15	15	585m	-55	125	K02133	M244	8 Bit;Vo 5.0V to -5.0V F.S.;Int Ref.
30♦	MN3002	2		TFH	2.0%	.80*	15	15	585m	0	70	K02133	M244	8 Bit;Vo 0.0V to 10V F.S.;Int Ref.
31♦	MN3002H	2		TFH	2.0%	80*	15	15	585m	-55	125	K02133	M244	8 Bit;Vo 0.0V to 10V F.S.;Int Ref.
32	MN3003	2		TFH	2.0%	.80*	15	15	555m§	0	70		M287	10 Bit;Vo 0.0V to -10V F.S;Int Ref.
33	MN3003H	2		TFH	2.0%	.80*	15	15	555m§	-55	125		M287	10 Bit;Vo 0.0V to -10V F.S.;Int Ref.
34	MN3004	2		TFH	2.0%	80*	15	15	555m§	0	70		M287	10 Bit;Vo 5.0V to -5.0V F.S.;Int Ref.
35	MN3004H	2		TFH	2 0%	.80*	15	15	555m§	-55	125		M287	10 Bit;Vo 5.0V to -5.0V F.S.;Int Ref.
36	MN3005	2		TFH	2.0%	.80*	15	15	555m§	0	70		M287	10 Bit;Vo 0.0V to 10V F.S.;Int Ref.
37	MN3005H	2		TFH	2 0%	.80*	15	15	555m§	-55	125		M287	10 Bit;Vo 0.0V to 10V F.S.;Int Ref.
38♦	MN3006	2		TFH	2 0%	.80*	15	15	585m	0	70	K02133	M244	8 Bit;Vo 10V to 10V F.S.;Int Ref.
39♦	MN3006H	2		TFH	2.0%	.80*	15	15	585m	-55	125	K02133	M244	8 Bit;Vo 10V to -10V F.S.;Int Ref.
40	MN3007	2		TFH	2.0%	.80*	15	15	555m§	0	70		M287	10 Bit;Vo 10V to -10V F S.;Int Ref.
41	MN3007H	2		TFH	2.0%	.80*	15	15	555m§	-55	125		M287	10 Bit,Vo 10V to -10V F.S.;Int Ref
42♦	MONODAC02ACU1	2		MON	2.0%	.80*	15	15	300m	0	70	K02105	M315	10 Bit plus sign-monotonic;Vo±10V;TC60ppm
43♦	MONODAC02ACU2	2		MON	2.0%	.80*	15	15	300m	0	70	K02105	M315	10 Bit plus sign-monotonic;Vo±5V;TC 60ppm
44▼	MONODAC02BCU1	2		MON	2.0%	.80*	15	15	300m	0	70	K02105	M315	10 Bit plus sign;Lin-.1%max;Vo±10V;TC60ppm
45▼	MONODAC02BCU2	2		MON	2.0%	.80*	15	15	300m	0	70	K02105	M315	10 Bit plus sign;Lin-.1%max;Vo±5V;TC60ppm
46♦	MONODAC02CCU1	2		MON	2.0%	.80*	15	15	300m	0	70	K02105	M315	10 Bit plus sign;Lin-.2%max;Vo±10V:tc60ppm
47♦	MONODAC02CCU2	2		MON	2.0%	.80*	15	15	300m	0	70	K02105	M315	10 Bit plus sign;Lin-.2%max;Vo±5V;TC60ppm
48▼	MONODAC02DDU1	2		MON	2.0%	.80*	15	15	300m	0	70	K02105	M315	10Bit plus sign;Lin-.4%max;Vo±10V;TC150ppm
49▼	MONODAC02DDU2	2		MON	2.0%	.80*	15	15	300m	0	70	K02105	M315	10Bit plus sign,Lin-.4%max;Vo±5V;TC150ppm
50♦	MONODAC04ACU1	2		MON	2.0%	.80*	15	15	300m	0	70	K02106	M315	10 Bit;2s comp monotonic;Vo±10V;TC60ppm
51♦	MONODAC04ACU2	2		MON	2.0%	.80*	15	15	300m	0	70	K02106	M315	10 Bit;2s Comp.Monotonic;Vo±5V;Tc 60ppm.
52▼	MONODAC04BCU1	2		MON	2.0%	80*	15	15	300m	0	70	K02106	M315	10 Bit;2s Comp.Lin.1% max;Vo±10V;Tc 60ppm
53▼	MONODAC04BCU2	2		MON	2.0%	.80*	15	15	300m	0	70	K02106	M315	10 Bit;2s Comp.Lin.1% max;Vo±5V;Tc 60ppm.
54♦	MONODAC04CCU1	2		MON	2.0%	80*	15	15	300m	0	70	K02106	M315	10 Bit;2s Comp.Lin.2% max;Vo±10V;Tc 60ppm
55♦	MONODAC04CCU2	2		MON	2.0%	.80*	15	15	300m	0	70	K02106	M315	10 Bit;2s Comp.Lin.2% max;Vo±5V;Tc 60ppm
56▼	MONODAC04DDU1	2		MON	2.0%	.80*	15	15	300m	0	70	K02106	M315	10 Bit;2s Comp.Lin.4% max;Vo±10V;Tc 150ppm
57▼	MONODAC04DDU2	2		MON	2.0%	.80*	15	15	300m	0	70	K02106	M315	10 Bit;2s Comp.Lin.4% max;Vo±5V;Tc 150ppm
58	DAC45CBI	2	100k	3DM	2.0%	80*	15	15	1.8 †	0	70	K02108	M302d	16 Bit Binary;Lin .003%;A ±7.0ppm%/°C.
59	DAC45CCD	2	100k	3DM	2 0%	.80*	15	15	1.8 †	0	70	K02108	M302d	4 Digit BCD;Lin .005%;A ±7ppm/°C.
60♦	7581	2	3.0M	3DM	2.0%	.80*	15	15	1.3 †	-55	85		M343	6 Bit Binary;±10VFS;±200mA.
61♦	7582	2	3.0M	3DM	2.0%	.80*	15	15	1.3 †	-55	85		M343	8 Bit Binary;±10VFS;±200mA.
62	MDA2	2	4.0M	PCB	2.0%	.95*	15	15		15	50		CB37c	10 Bit, Single Channel DAC.
63	MONODAC01AP,AS,AY%	2		MON	2.1%	.50*	15	15	250m	-55	125	K0278	M105au	6Bit;Linearity 20% FS max;TC40ppm/°C max.
64	MONODAC01BP,BS,BY%	2		MON	2.1%	.50*	15	15	250m	-55	125	K0278	M105au	6Bit;Linearity.40% FS max;TC120ppm/°C max.
65	MONODAC01CP,CS,CY%	2		MON	2.1%	.50*	15	15	250m	0	70	K0278	M105au	6Bit,Linearity.40% FS max;TC160ppm/°C max.
66	MONODAC01FP,FS,FY%	2		MON	2.1%	50*	15	15	250m	-55	125	K0278	M105au	6Bit;Linearity.40% FS max;TC80ppm/°C max.
67	MONODAC01HP,HS,HY%	2		MON	2.1%	.50*	15	15	250m	0	70	K0278	M105au	6Bit,Linearity.40% FS max;TC160ppm/° max.
68▼	MONODAC01P	2		MON	2.1%	50*	15	15	250m	-55	125	K0278	M105au	6 Bit,Linearity.40%FS max;TC 80ppm/°C max
69	722BFC	2		MON	2.1%	70*	6.0	6.0	250m	-20	85	K0252	FP59	10-Bit Current Source.
70	722FC	2		MON	2.1%	.70*	6 0	6.0	250m	-20	85	K0252	FP59	10 Bit Current Source.
71	AIMDAC100AAN1	2		MOH	2.1%	70*	15	15	500m	-55	125	K0277	FP59	10 Bit;.05% Linear;TC 15PPM/°C;Vo 10V FS
72	AIMDAC100AAN2	2		MOH	2.1	0 7	15	15	500m	-55	125	K0277	FP59	10 Bit,.05% Linear;TC 15PPM/°C;Vo 5.0V FS
73	AIMDAC100AAQ1	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277a	M182a	10 Bit,.05%Linear;Tc 15 PPM/°C;Vo 10V F.S.
74	AIMDAC100AAQ2	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277a	M182a	10 Bit;.05% Linear;TC 15PPM/°C;Vo 5.0V FS
75	AIMDAC100ABN1	2		MOH	2.1%	70*	15	15	500m	-55	125	K0277	FP59	10 Bit;.05%Linear;Tc 30PPM/°C;Vo 10V F.S.
76	AIMDAC100ABN2	2		MOH	2.1	0 7	15	15	500m	-55	125	K0277	FP59	10 Bit;.05% Linear;Tc 30PPM/°C;Vo 5.0V F.S
77	AIMDAC100ABQ1	2		MOH	2 1%	.70*	15	15	500m	-55	125	K0277a	M182a	10 Bit;.05% Linear;TC 30PPM/°C;Vo 10V FS
78	AIMDAC100ABQ2	2		MOH	2.1%	70*	15	15	500m	-55	125	K0277a	M182a	10 Bit;.05% Linear;TC 30PPM/°C;Vo 5.0V FS
79	AIMDAC100ACN1	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277	FP59	10 Bit;.05% Linear;TC 60PPM/°C;Vo 10V FS
80	AIMDAC100ACN2	2		MOH	2.1	0.7	15	15	500m	-55	125	K0277	FP59	10 Bit,.05% Linear;TC 60PPM/°C;Vo 5.0V FS
81	AIMDAC100ACQ1	2		MOH	2 1%	.70*	15	15	500m	-55	125	K0277a	M182a	10 Bit,.05% Linear;TC 60PPM/°C;Vo 10V FS
82	AIMDAC100ACQ2	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277a	M182a	10 Bit;.05% Linear;TC 60PPM/°C;Vo 5.0V FS
83	AIMDAC100ACQ3	2		MOH	2.1%	70*	15	15	300m	0	70	K0277a	M182a	10 Bit;Linearity .05%;Vo 10V F.S.
84	AIMDAC100ACQ4	2		MOH	2.1%	.70*	15	15	300m	0	70	K0277a	M182a	10 Bit,Linearity .05%;Vo 5.0V F.S.
85	AIMDAC100ACT1	2		MOH	2.1%	.70*	15	15	500m	0	70	K0277a	M154	10 Bit;.05% Linearity;Tc 60ppm/°C,Vo 10VFS
86	AIMDAC100ACT2	2		MOH	2 1%	70*	15	15	500m	0	70	K0277a	M154	10 Bit;.05% Linearity;Tc 60ppm/°C;Vo 5VFS
87	AIMDAC100ADN1	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277	FP59	10 Bit;.05% Linear;TC 120PPM/°C;Vo 10V FS
88	AIMDAC100ADN2	2		MOH	2.1	0.7	15	15	500m	-55	125	K0277	FP59	10 Bit;.05% Linear;TC 120PPM/°C;Vo 5.0V FS
89	AIMDAC100ADQ1	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277a	M182a	10 Bit;.05% Linear;TC 120PPM/°C;Vo 10V FS
90	AIMDAC100ADQ2	2		MOH	2.1%	70*	15	15	500m	-55	125	K0277a	M182a	10 Bit,.05% Linear;TC 120PPM/°C;Vo 5.0V FS
91	AIMDAC100BAN1	2		MOH	2.1%	70*	15	15	500m	-55	125	K0277	FP59	10 Bit,.10% Linear;TC 15PPM/°C;Vo 10V FS
92	AIMDAC100BAN2	2		MOH	2.1	0.7	15	15	500m	-55	125	K0277	FP59	10 Bit;.10% Linear;TC 15PPM/°C;Vo 5.0V FS
93	AIMDAC100BAQ1	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277a	M182a	10 Bit;.10% Linear;TC 15PPM/°C;Vo 10V FS
94	AIMDAC100BAQ2	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277a	M182a	10 Bit;.10% Linear;TC 15PPM/°C;Vo 5.0V FS
95	AIMDAC100BBN1	2		MOH	2 1%	.70*	15	15	500m	-55	125	K0277	FP59	10 Bit,.10%Linear;Tc 30PPM/°C;Vo 10V F.S.
96	AIMDAC100BBN2	2		MOH	2.1	0 7	15	15	500m	-55	125	K0277	FP59	10 Bit;.10% Linear;TC 30PPM/°C,Vo 5.0V FS
97	AIMDAC100BBQ1	2		MOH	2 1%	.70*	15	15	500m	-55	125	K0277a	M182a	10 Bit;.10% Linear;TC 30PPM/°C,Vo 10V FS
98	AIMDAC100BBQ2	2		MOH	2 1%	.70*	15	15	500m	-55	125	K0277a	M182a	10 Bit,.10% Linear;TC 30PM/°C;Vo 5.0V FS
99	AIMDAC100BCN1	2		MOH	2.1%	70*	15	15	500m	-55	125	K0277	FP59	10 Bit;.10%Linear;Tc 60 PPM/°C;Vo 10V F.S
100	AIMDAC100BCN2	2		MOH	2 1	0.7	15	15	500m	-55	125	K0277	FP59	10 Bit, 10% Linear;TC 60PPM/°C,Vo 5.0V FS
101	AIMDAC100BCQ1	2		MOH	2 1%	70*	15	15	500m	-55	125	K0277a	M182a	10 Bit; 10%Linear,Tc 60 PPM/°C;Vo 10V F.S.
102	AIMDAC100BCQ2	2		MOH	2 1%	.70*	15	15	500m	-55	125	K0277a	M182a	10 Bits;.10%Linear;Tc 60PPM/°C;Vo 5 0V F.S
103	AIMDAC100BCQ3	2		MOH	2.1%	.70*	15	15	300m	0	70	K0277a	M182a	10 Bit;Linearity .10%,Vo 10V F.S.
104	AIMDAC100BCQ4	2		MOH	2.1%	70*	15	15	300m	0	70	K0277a	M182a	10 Bit;Linearity .10%;Vo 5.0V F.S
105	AIMDAC100BCT1	2		MOH	2 1%	.70*	15	15	300m	0	70	K0277a	M154	10 Bit;Linearity .10%;Vo 10V F S

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	AIMDAC100BCT2	2		MOH	2.1%	.70*	15	15	300m	0	70	K0277a	M154	10 Bit;Linearity .10%;Vo 5.0V F.S.
2	AIMDAC100BDN1	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277	FP59	10 Bit;.10%Linear;Tc 120PPM/°C;Vo 10V F.S.
3	AIMDAC100BDN2	2		MOH	2.1	0.7	15	15	500m	-55	125	K0277	FP59	10 Bit;.10% Linear;TC 120PPM/°C;Vo 5.0V FS
4	AIMDAC100BDQ1	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277a	M182a	10 Bit;.10% Linear;TC 120PPM/°C;Vo 10V FS
5	AIMDAC100BDQ2	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277a	M182a	10 Bit;.10% Linear;TC 120PPM/°C,Vo 5.0V FS
6	AIMDAC100CBN1	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277	FP59	10 Bit;.20% Linear;TC 30PPM/°C;Vo 10V FS
7	AIMDAC100CBN2	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277	FP59	10 Bit;.20% Linear,TC 30PPM/°C;Vo 5.0V FS
8	AIMDAC100CBQ1	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277a	M182a	10 Bit;.20% Linear,TC 30PPM/°C;Vo 10V FS
9	AIMDAC100CBQ2	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277a	M182a	10 Bit;.20% Linear;TC 30PPM/°C;Vo 5.0V FS
10	AIMDAC100CCN1	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277	FP59	10 Bit,.20% Linear;TC 60PPM/°C;Vo 10V FS
11	AIMDAC100CCN2	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277	FP59	10 Bit;.20% Linear;TC 60PPM/°C;Vo 5.0V FS
12	AIMDAC100CCQ1	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277a	M182a	10 Bit;.20% Linear;TC 60PPM/°C;Vo 10V FS
13	AIMDAC100CCQ2	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277a	M182a	10 Bit; 20%Linear;Tc 60PPM/°C;Vo 5.0V F.S.
14	AIMDAC100CCQ3	2		MOH	2.1%	.70*	15	15	300m	0	70	K0277a	M182a	10 Bit;Linearity .20%;Vo 10V F.S.
15	AIMDAC100CCQ4	2		MOH	2.1%	.70*	15	15	300m	0	70	K0277a	M182a	10 Bit;Linearity .20%;Vo 5.0V F.S.
16	AIMDAC100CCT1	2		MOH	2.1%	.70*	15	15	500m	0	70	K0277a	M154	10 Bit;.20% Linearity,Tc 60ppm/°C;Vo 10VFS
17	AIMDAC100CCT2	2		MOH	2.1%	.70*	15	15	500m	0	70	K0277a	M154	10 Bit,.20% Linearity;TC 60PPM/°C;Vo 5V FS
18	AIMDAC100CDN1	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277	FP59	10 Bit;.20%Linear;Tc 120PPM/°C;Vo 10V F.S.
19	AIMDAC100CDN2	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277	FP59	10 Bit;.20% Linear;TC120PPM/°C;Vo 5.0V FS
20	AIMDAC100CDQ1	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277a	M182a	10 Bit;.20% Linear;TC 120PPM/°C;Vo 10V FS
21	AIMDAC100CDQ2	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277a	M182a	10 Bit;.20% Linear;TC 120PPM/°C;Vo 5.0V FS
22	AIMDAC100DBN1	2		MOH	2.1	0.7	15	15	500m	-55	125	K0277	FP59	10 Bit;.30% Linear,TC 30PPM/°C;Vo 10V FS
23	AIMDAC100DBN2	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277	FP59	10 Bit;.30% Linear;TC 30PPM/°C;Vo 5.0V FS
24	AIMDAC100DBQ1	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277a	M182a	10 Bit;.30% Linear;TC 30PPM/°C;Vo 10V FS
25	AIMDAC100DBQ2	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277a	M182a	10 Bit;.30% Linear;TC 30PPM/°C;Vo 5.0V FS
26	AIMDAC100DCN1	2		MOH	2 1	0.7	15	15	500m	-55	125	K0277	FP59	10 Bit;.30% Linear;TC 60PPM/°C;Vo 10V FS
27	AIMDAC100DCN2	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277	FP59	10 Bit;.30% Linear;TC 60PPM/°C;Vo 5.0V FS
28	AIMDAC100DCQ1	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277a	M182a	10 Bit;.30% Linear;TC 60PPM/°C;Vo 10V FS
29	AIMDAC100DCQ2	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277a	M182a	10 Bit;.30%Linear;Tc 60PPM/°C;Vo 5.0V F.S.
30	AIMDAC100DDN1	2		MOH	2.1	0.7	15	15	500m	-55	125	K0277	FP59	10 Bit;.30% Linear;TC 120PPM/°C,Vo 10V FS
31	AIMDAC100DDN2	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277	FP59	10 Bit;.30% Linear,TC120PPM/°C;Vo 5.0V FS
32	AIMDAC100DDQ1	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277a	M182a	10 Bit;.30%Linear;Tc 120PPM/°C,Vo 5.0V F.S
33	AIMDAC100DDQ2	2		MOH	2.1%	.70*	15	15	500m	-55	125	K0277a	M182a	10 Bit;.30% Linear;TC 120PPM/°C;Vo 5.0V FS
34	AIMDAC100DDQ3	2		MOH	2.1%	70*	15	15	300m	0	70	K0277a	M182a	10 Bit;Linearity .30%;Vo 10V F.S.
35	AIMDAC100DDQ4	2		MOH	2.1%	70*	15	15	300m	0	70	K0277a	M182a	10 Bit;Linearity .30%;Vo 5.0V F S.
36	AIMDAC100DDT1	2		MOH	2.1%	.70*	15	15	500m	0	70	K0277a	M154	10 Bit;.30% Linear,;TC 120PPM/°C;Vo 10V FS
37	AIMDAC100DDT2	2		MOH	2.1%	.70*	15	15	500m	0	70	K0277a	M154	10 Bit;.3% Linearity;TC 120PPM/°C;Vo 5V FS
38▼	DAC8M	2		3DM	2.4%	.40*	15	15	555m†	0	70	K02124	M368	8 bits;Mult.Acc.20%;SR10V/us;TC25ppm/°C.
39▼	DAC10Z	2		3DM	2.4%	.40*	15	15	450m†	0	70		M368a	10 bits;Binary;Settl.Time 5.0us.
40▼	DAC12M	2		3DM	2.4%	.40*	15	15	555m†	0	70	K02124	M368	12 bits;Mult.Acc.20%;SR10V/us;TC5.0ppm/°C
41▼	DAC12QZ	2		3DM	2.4%	.40*	15	15	1.0 †	0	70	K02125	M368a	12 bits;Prog.Outp.Linearity 1/2LSB.
42▼	DAC14QG	2		3DM	2.4%	.40*	15	15	2.3 †	0	70	K02126	M369	14 Bits;Linearity±.003%;Int Reference 6.2V
43▼	DAC14QM	2		3DM	2.4%	.40*	15	15	950mt	0	70	K02126	M369	14 bits;Linearity±.003%;Int Reference 6.2V
44▼	DAC16QG	2		3DM	2.4%	.40*	15	15	2.3 †	0	70	K02126	M369	16 Bits;Linearity±.0015%;Int Reference6 2V
45▼	DAC16QM	2		3DM	2.4%	.40*	15	15	950mt	0	70	K02126	M369	16 bits;Linearity±.0015%;Int Ref. 6.2V.
46▼	HI2A1080	2		MON	2.4%	.40*	5.0	15	450m	-55	125	K02119	MP381	8 bit;Settling Time 3.0us max;Acc 1/2LSB
47▼	HI2A1085	2		MON	2.4%	.40*	5.0	15	450m	0	75	K02119	M381	8 bit;Settling Time 1.5us;Acc 1/2LSB.
48	HI9M1080	2		MON	2.4%	.40*	0.0	10	450m	-55	125	K02119	FP48	8-Bit D to A Converter.
49	HI9M1085	2		MON	2.4%	.40*	0.0	10	450m	0	75	K02119	FP48	8-Bit D to A Converter.
50▼	HI-1A1080	2		MON	2.4%	.40*	5.0	15	450m	-55	125	K02119	FP59a	8 bit;Settling Time 3.0us max;Acc 1/2LSB.
51▼	HI-1A1085	2		MON	2.4%	.40*	5.0	15	450m	0	75	K02119	FP59a	8 bit;Settling Time 1.5us;Acc 1/2LSB.
52♦	MDA10F	2		3DM	2.4%	.40*	15	15	1.8 †	0	70	K02130	M374	10 Bit Binary;Settling Time 40ns.
53▼	MDA10Z	2		3DM	2.4%	.40*	15	15	450mt	0	70		M368a	10 bits;Binary;Settl.Time 300ns.
54▼	MDA11MF	2		3DM	2.4%	.40%	15	15	1.0 §	0	70	K02131	M364g	11 bit Multi;BW 5.0MHz;Settl.Time 800ns.
55▼	MDA12QD	2		3DM	2.4%	.40%	15	15	925mt	0	70		M375	12 bits;Linearity ±1/2LSB;Settl.Time 3us.
56▼	MDA12QDET	2		3DM	2.4%	.40%	15	15	925mt	-55	125		M375	12 bits;Linearity ±1/2LSB;Settl.Time 3us.
57	MN303	2		TFH	2.4	.40	15	15	400m	0	70	K0262	M244	8 Bit BCD D/A Full Scale 0 to -10.
58	MN303H	2		TFH	2 4	.40	15	15	400m	-55	125	K0262	M244	8 Bit BCD D/A Full Scale 0 to -10.
59	DAC100	2	200k	MOH	2.4%	.40*	30	1.6		-55	125	K0246	M156	5 Bit;ton 1.0us;Acc 100m%;Voffset 3.0mV.
60	DAC101	2	200k	MOH	2.4%	.40*	30	1.6		-55	125	K0246	M156	5 Bit;ton 1.0us;Acc 300m%;Voffset 2.0mV.
61	ZD400	2		PCB	2.4%	.70*	15	15	300m%	0	70	K0298	M300	8 Bit;Output imped 1.0MΩ min;Acc ±.20%.
62	ZD401	2		PCB	2.4%	.70*	15	15	300m%	0	70	K0298	M300	10 Bit;Output imped 1.0MΩ min;Acc ±.05%
63▼	AD7520JD	2		MON	2 4%	80*	0 0	15	450m	0	75	K02123	M361	Multiplying;Norlinear .20%;Ri 10kΩ.
64▼	AD7520JN	2		MON	2.4%	.80*	0.0	15	450m	0	75	K02123	M345a	Multiplying;Norlinear .20%;Ri 10kΩ.
65▼	AD7520KD	2		MON	2.4%	.80*	0.0	15	450m	0	75	K02123	M361	Multiplying;Norlinear .10%;Ri 10kΩ.
66▼	AD7520KN	2		MON	2.4%	.80*	0.0	15	450m	0	75	K02123	M345a	Multiplying;Norlinear .10%;Ri 10kΩ.
67▼	AD7520LD	2		MON	2.4%	.80*	0.0	15	450m	0	75	K02123	M361	Multiplying;Norlinear .05%;Ri 10kΩ.
68▼	AD7520LN	2		MON	2.4%	.80*	0.0	15	450m	0	75	K02123	M345a	Multiplying;Norlinear .05%;Ri 10kΩ.
69▼	AD7520SD	2		MON	2.4%	.80*	0.0	15	450m	-55	125	K02123	M361	Multiplying;Norlinear .20%;Ri 10kΩ.
70▼	AD7520SN	2		MON	2.4%	.80*	0.0	15	450m	-55	125	K02123	M345a	Multiplying;Norlinear .20%;Ri 10kΩ.
71▼	AD7520TD	2		MON	2.4%	.80*	0.0	15	450m	-55	125	K02123	M361	Multiplying;Norlinear .10%;Ri 10kΩ.
72▼	AD7520TN	2		MON	2.4%	.80*	0.0	15	450m	-55	125	K02123	M345a	Multiplying;Norlinear .10%;Ri 10kΩ.
73▼	AD7520UD	2		MON	2.4%	.80*	0.0	15	450m	-55	125	K02123	M361	Multiplying;Norlinear .05%;Ri 10kΩ.
74▼	AD7520UN	2		MON	2.4%	.80*	0 0	15	450m	-55	125	K02123	M345a	Multiplying;Norlinear .05%;Ri 10kΩ.
75▼	AD7521	2		MON	2.4%	.80*	15	15	450m	-55	125			12-Bit Multiplying CMOS.
76▼	DAC355-4BCD	2		3DM	2.4	.80	15	15	525m%	0	70	K02137	M302k	4 Bit Binary Coded Decimal.
77▼	DAC355-14	2		3DM	2.4	.80	15	15	525m%	0	70	K02137	M302k	Stability 7ppm/°C;Anal Linearity±0.003%max
78▼	DAC355-16	2		3DM	2.4	.80	15	15	525m%	0	70	K02137	M302k	Stability 5ppm/°C;Anal Linearity±0.015%max
79♦	MDA8F	2		3DM	2.4%	.80*	15	15	1.8 †	0	70	K02130	M374	8 Bits;Settling Time 40ns.
80	MN302	2		TFH	2.4%	.80*	15	15	400m	0	70	K0262	M244	8 Bit;Load Current 5.0mA;SR .50V/us.
81	MN302H	2		TFH	2.4%	.80*	15	15	400m	-55	125	K0262	M244	8 Bit;Load Current 5.0mA;SR .50V/us.
82	MN416	2		3DM	2.4%	.80*	15	15	760m§	0	70	K02114	M327	12 Bit;Input Register;Multi Range.
83	MN416H	2		3DM	2.4%	.80*	15	15	760m§	-55	125	K02114	M327	12 Bit;Input Register;Multi Range.
84	7722BFC	2		MON	2.5	.40	6.0	6.0	450m	-20	85	K0252	FP59	10-Bit Current Source.
85	7722FC	2		MON	2.5	.40	6.0	6.0	450m	-20	85	K0252	FP59	10-Bit Current Source.
86	ICL8018CPD	2		MON	2.5%	.40*	15	20	260m%	0	70	K0275	M126j	Quad;Io 1.0mA max;Vo 10V max;Error±.01%max
87	ICL8018MDD	2		MON	2.5%	.40*	15	20	260m%	-55	125	K0275	TO116	Quad;Io 1.0mA max;Vo 10V max;Error±.01%max
88	ICL8019CPD	2		MON	2.5%	.40*	15	20	260m%	0	70	K0275	M126j	Quad;Io 1.0mA max;Error ±.10% max
89	ICL8019MDD	2		MON	2.5%	.40*	15	20	260m%	-55	125	K0275	TO116	Quad;Io 1.0mA max;Vo 10V max;Error±.10%max
90	ICL8020CPD	2		MON	2.5%	.40*	15	20	260m%	0	70	K0275	M126j	Quad;Io 1.0mA max;Error±1.0% max.
91	ICL8020MDD	2		MON	2.5%	.40*	15	20	260m%	-55	125	K0275	TO116	Quad;Io 1.0mA max;Error±1.0% max.
92♦	MN360	2		TFH	2.5%	.40*	15	15	870m§	0	70	K02122	M325	12 Bit;Vo ±10V F.S;Settle Time 7.0us max.
93♦	MN360H	2		TFH	2.5%	.40*	15	15	870m§	-55	125	K02122	M325	12 Bit;Vo ±10V F.S;Settle Time 7.0us max.
94♦	MN362	2		TFH	2.5%	.40*	15	15	870m§	0	70	K02122	M325	12 Bit;Vo 0 to 10V;F.S;Settle Time 7us max
95♦	MN362H	2		TFH	2.5%	.40*	15	15	870m§	-55	125	K02122	M325	12 Bit;Vo 0 to 10V;F.S;Settle Time 7us max
96	MN364	2		TFH	2.5%	.40*	15	15	810m§	0	70	K02110	M325	12 Bit Io ±1.0mA F.S;Settle Time 3.0us max
97▼	MN364H	2		TFH	2.5%	.40*	15	15	810m§	-55	125	K02110	M325	12 Bit;Io±1.0mA F.S;Settle time 3.0us max
98	MN366	2		TFH	2.5%	.40*	15	15	810m§	0	70	K02110a	M325	12 Bit;Io 0 to 2mA F.S;Settle Time 3us max
99	MN366H	2		TFH	2.5%	.40*	15	15	810m§	-55	125	K02110a	M325	12 Bit,Io 0 to -2mA;F.S.Settle Time 3usmax
100	MN415	2		3DM	2.5%	.40*	15	15	660m§	0	70	K02113	M327	12 Bit;Multi Range Out;Int Ref
101	MN415H	2		3DM	2.5%	.40*	15	15	660m§	-55	125	K02113	M327	12 Bit Multi Range Out;Int Ref.
102▼	MN417	2		3DM	2.5%	.40*	15	15	660m§	0	70	K02113	M327	12 Bit BCD;0 to 5.0 to 10 Vout Int Ref.
103▼	MN417H	2		3DM	2.5%	.40*	15	15	660m§	-55	125	K02113	M327	12 Bit BCD;0 to 5.0 to 10 Vout Int Ref.
104	A860	2			2.5%	.50*			3.0 §	0	70	K02121		12 Bit;Accuracy 20ppm/°C
105	DAC310-3BCD	2		3DM	2.5%	.50*	15	15	975m%	0	70	K0283	M284	12 Bits;Accuracy VS.Temp. 15PPM/°C.
106	DAC310-10	2		3DM	2.5%	.50*	15	15	975m%	0	70	K0283	M284	12 Bits;Accuracy VS.Temp. 15PPM/°C.
107	DAC310-11	2		3DM	2.5%	.50*	15	15	975m%	0	70	K0283	M284	12 Bits;Accuracy VS.Temp. 15PPM/°C.
108	DAC310-12	2		3DM	2.5%	.50*	15	15	975m%	0	70	K0283	M284	12 Bits;Accuracy VS.Temp. 15PPM/°C.
109	DAC310D3BCD	2		3DM	2.5%	.50*	15	15	975m%	0	70	K0283a	M283	12 Bits;Accuracy VS.Temp. 15PPM/°C.
110	DAC310D10	2		3DM	2 5%	50*	15	15	975m%	0	70	K0283a	M283	12 Bits;Accuracy VS.Temp. 15PPM/°C.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	DAC310D11	2		3DM	2.5%	50*	15	15	975m%	0	70	K0283a	M283	12 Bits,Accuracy VS.Temp 15PPM/°C
2	DAC310D12	2		3DM	2.5%	.50*	15	15	975m%	0	70	K0283a	M283	12 Bits;Accuracy VS.Temp. 15PPM/°C.
3▼	DAC316-3BCD	2		3DM	2.5	.50	15	15	600m%	0	70	K02134	M388	Stab ±25ppm/°C max;Linearity ±0.05% max.
4▼	DAC316-10	2		3DM	2.5	.50	15	15	600m%	0	70	K02134	M388	Stab ±25ppm/°C max;Linearity ±0.05% max.
5▼	DAC316-11	2		3DM	2.5	.50	15	15	600m%	0	70	K02134	M388	Stab ±25ppm/°C max;Linearity ±0.025% max.
6▼	DAC316-12	2		3DM	2.5	.50	15	15	600m%	0	70	K02134	M388	Stab ±25ppm/°C max;Linearity ±0.0125% max.
7▼	DAC328I4BCD	2		3DM	2.5	.50	15	15	450m%	0	70	K02136	M286	Stab 30ppm/°C max;Linearity ±0.01% max.
8▼	DAC328I16	2		3DM	2.5	.50	15	15	450m%	0	70		M286	Stab 30ppm/°C max;Linearity ±0.01% max.
9▼	DAC328V4BCD	2		3DM	2.5	.50	15	15	450m%	0	70	K02135		Stab 30ppm/°C max;Linearity ±0.01% max.
10▼	DAC328V16	2		3DM	2.5	50	15	15	450m%	0	70			Stab 30ppm/°C max;Linearity ±0.01% max.
11	DAC371-2BCD	2		3DM	2.5%	.50*	0.0	15	150m%	0	70	K0282a	M285	8-Bit 2 Decade BCD;ACC.VS.Temp. 100PPM/°C.
12	DAC371-8	2		3DM	2.5%	.50*	0.0	15	150m%	0	70	K0282a	M285	8-Bit Binary;Acc.VS.Temp. 100PPM/°C.
13	DAC371I10	2		3DM	2.5	.50	15	15	375m%	0	70	K02100	M309a	Cur. Out 0 to 4mA;Settling Time 1uS.
14	DAC371I10BCD	2		3DM	2.5	.50	15	15	375m%	0	70	K02100	M309a	Cur. Out 0 to 4mA;Settling Time 1uS.
15	DAC371V10	2		3DM	2.5	.50	15	15	525m%	0	70	K02101	M310	Volt Out ±5V, 0 to 10V;Settling Time 10uS.
16	DAC371V10BCD	2		3DM	2.5	50	15	15	525m%	0	70	K02101	M310	Volt Out ±5V, 0 to 10V;Settling Time 10uS.
17	DAC372-8	2		3DM	2 5%	.50*	15	15	525m%	0	70	K0284	M286	8 Bits;Accuracy VS.Temp. 50PPM/°C max.
18	DAC372-10	2		3DM	2.5%	.50*	15	15	525m%	0	70	K0284	M286	10 Bits;Accuracy VS.Temp. 30PPM/°C max.
19	DAC372-11	2		3DM	2.5%	.50*	15	15	525m%	0	70	K0284	M286	11 Bits;Accuracy VS.Temp. 30PPM/°C max.
20	DAC372-12	2		3DM	2.5%	.50*	15	15	525m%	0	70	K0284	M286	12 Bits;Accuracy VS.Temp. 30PPM/°C max.
21	DAC372-12BCD	2		3DM	2 5%	.50*	15	15	525m%	0	70	K0284	M286	3 Decade BCD;ACC VS.Temp. 30PPM/°C max.
22	DAC372I8	2		3DM	2 5%	.50*	15	15	525m%	0	70	K0285	M286	8 Bits;Accuracy VS.Temp. 50PPM/°C max.
23	DAC372I10	2		3DM	2 5%	50*	15	15	525m%	0	70	K0285	M286	10 Bits;Accuracy VS.Temp. 30PPM/°C max.
24	DAC372I11	2		3DM	2.5%	.50*	15	15	525m%	0	70	K0285	M286	11 Bits;Accuracy VS.Temp. 30PPM/°C max.
25	DAC372I12	2		3DM	2.5%	.50*	15	15	525m%	0	70	K0285	M286	12 Bits;Accuracy VS.Temp. 30PPM/°C max.
26	DAC372I12BCD	2		3DM	2.5%	.50*	15	15	525m%	0	70	K0285	M286	3 Decade BCD;Acc.VS.Temp. 30PPM/°C max.
27	DAC372WB8	2		3DM	2.5%	.50*	15	15	525m%	0	70	K0284	M286	8 Bits;Accuracy VS.Temp. 50PPM/°C max.
28	DAC372WB10	2		3DM	2.5%	.50*	15	15	525m%	0	70	K0284	M286	10 Bits;Accuracy VS.Temp. 30PPM/°C max.
29	DAC372WB11	2		3DM	2.5%	.50*	15	15	525m%	0	70	K0284	M286	11 Bits;Accuracy VS.Temp. 30PPM/°C max.
30	DAC372WB12	2		3DM	2.5%	.50*	15	15	525m%	0	70	K0284	M286	12 Bits;Accuracy VS.Temp. 30PPM/°C max.
31	DAC372WB12BCD	2		3DM	2.5%	50*	15	15	525m%	0	70	K0284	M286	3 Decade BCD;Acc. VS.Temp. 30PPM/°C max.
32▼	DAC373I3BCD	2		3DM	2.5	.50	15	15	225m%	0	70	K02138a	M389	Stab 50ppm/°C;Anal Linearity ±0.05% max
33▼	DAC373I12	2		3DM	2 5	.50	15	15	225m%	0	70	K02138	M389	Stab 50ppm/°C;Anal Linearity ±0.025% max.
34	DAC390-3BCD	2		3DM	2.5%	50*	15	15	975m%	0	70	K0283	M284	12 Bits,Accuracy VS.Temp. 30PPM/°C
35	DAC390-10	2		3DM	2 5%	50*	15	15	975m%	0	70	K0283	M284	12 Bits,Accuracy VS.Temp. 30PPM/°C.
36	DAC390-11	2		3DM	2.5%	.50*	15	15	975m%	0	70	K0283	M284	12 Bits;Accuracy VS.Temp. 30PPM/°C.
37	DAC390D3BCD	2		3DM	2.5%	.50*	15	15	975m%	0	70	K0283a	M283	12 Bits;Accuracy VS.Temp. 30PPM/°C.
38	DAC390D10	2		3DM	2.5%	.50*	15	15	975m%	0	70	K0283a	M283	12 Bits;Accuracy VS.Temp. 30PPM/°C.
39	DAC390D11	2		3DM	2.5%	.50*	15	15	975m%	0	70	K0283a	M283	12 Bits;Accuracy VS.Temp. 30PPM/°C.
40	DAC395-3BCD	2		3DM	2.5	50	15	15	890m%	0	70	K02102	M304e	BCD;Settling Time to .05% 50nS.
41♦	DAC395-12A	2		3DM	2 5	.50	15	15	900m%	0	70	K02102	M304e	12-Bit;Linearity ±.0125%
42♦	DAC395-12B	2		3DM	2.5	.50	15	15	900m%	0	70	K02102	M304e	12-Bit,Linearity ±.025%
43♦	DAC395-12C	2		3DM	2.5	50	15	15	900m%	0	70	K02102	M304e	12-Bit;Linearity ±.05%
44	MN380	2		TFH	2.5%	.80*	15	15	600m§	0	70	K02111	M326	8 Bit plus Sign Multiplying;VREF ±13V
45	MN410	2		TFH	2.5%	.80*	15	15	600m	0	70	K0268	M245	9 Bit;Load Current 5.0mA;SR .50V/us.
46	MN410H	2		TFH	2.5%	.80*	15	15	600m	-55	125	K0268	M245	9 Bit;Load Current 5.0mA;SR .50V/us.
47	MN412	2		3DM	2.5%	.80*	15	15	700m§	0	70	K02112	M245a	11 Bit plus Sign Multiplying;VREF ±13V.
48	MN412H	2		3DM	2.5%	.80*	15	15	700m§	-55	125	K02112	M245a	11 Bit plus Sign Multiplying;VREF ±13V.
49	MN413	2		TFH	2 5%	.80*	15	5.0	600m	0	70	K0290	M245a	11 Bit;LSB 1/2;Settling Time 2.0uS.
50	MN413H	2		TFH	2.5%	.80*	15	5.0	600m	-55	125	K0290	M245a	11 Bit;LSB 1/2;Settling Time 2.0uS.
51	CDA4A	2		MOH	2.8%	.60*	0.0	10		-55	125	K0227	TO100	Ladder switch;12Bit;Ton Toff .50us typ.
52	CDA5	2		MOH	3.0%	0.0	15	5.0	35m	-55	125	K0231	FP63	Ladder switches for D/A converters
53	ZD429	2			3 0%	.40*	15	15	300m%	0	70	K0271	M259	2 Digit;Settling time 20us;Acc ±.20%
54	ZD430	2			3.0%	.40*	15	15	300m%	0	70	K0270	M259	8 bit;Settling time 20us;Acc ±.10%.
55	ZD430E1	2		MOH	3.0%	.40*	15	15	350m	-25	85	K0272	M260	8 bit;Settling time 10us;Vo 10V.
56	ZD430E11	2		MOH	3.0%	.40*	15	15	350m	-25	85	K0272	M260	8 bit;Settling time 25us;Vo 10V.
57	ZD430E20	2		MOH	3.0%	.40*	15	15	350m	-25	85	K0272	M260	7 bit;Settling time 10us;Vo ±10V.
58	ZD430E21	2		MOH	3.0%	.40*	15	15	350m	-25	85	K0272	M260	7 bit;Settling time 25us;Vo ±10V.
59	ZD431	2			3 0%	.40*	15	15	300m%	0	70	K0270	M259	10 bit;Settling time 20us;Acc ±.10%
60	ZD432	2			3.0%	.40*	15	15	525m%	0	70	K0270	M259	12 bit;Settling time 20us;Acc ±.05%.
61	ZD433	2			3.0%	.40*	15	15	300m%	0	70	K0271	M259	3 Digit,Settling time 20us;Acc ±.10%.
62	ZD440	2			3 0%	.40*	15	15	750m%	0	70	K0270	M259	8 bit;Settling time 2.0us;Acc ±.10%
63	ZD441	2			3.0%	.40*	15	15	750m%	0	70	K0270	M259	10 bit;Settling time 5.0us;Acc ±.10%.
64	7560	2	30M	3DM	3.0	.60	15	15	810m	-55	100		M254a	4 Bit Binary;5.0VFS Out.
65	7561	2	30M	3DM	3.0	.60	15	15	810m	-55	100		M254a	6 Bit Binary;5.0VFS Out.
66	7562	2	30M	3DM	3.0	.60	15	15	810m	-55	100		M254a	8 Bit Binary;5.0VFS Out.
67	7563	2	30M	3DM	3.0	.60	15	15	810m	-55	100		M254a	10 Bit Binary;5 0VFS Out.
68	MN311	2		3DM	3.0%	1.0*	15	15	275m†	0	70	K0286	M287	3 Decade BCD;Tset .50us max.
69	MN312	2		3DM	3.0%	1.0*	15	15	275m†	0	70	K0286	M287	12 Bits;Tset .50us max.
70	CDA6	2			4.9	.60	15	15		-55	125	K0228	CN57a	Ladder switches for D/A converters.
71	3700-43-3J	2		MOS	5.0	0 0	35	.30	200mΔ	-55	85	K0245	FP28b	4 Channel Multiplexer.
72	3705-43-6J	2		MOS	5.0	0.0	35	30	200mΔ	-55	85	K3811	M148	8 Channel Multiplexer.
73▼	DAC10DF	2		3DM	5.0%	.80*	15	15	8.0 §	0	70			10 bits;Settling Time 50ns to 1LSB.
74	3700-42-3J	2		MOS	5.0	5.0	50	30	200mΔ	-55	85	K0245	FP28b	4 Channel Multiplexer
75	3705-42-6J	2		MOS	5.0	5.0	35	.30	200mΔ	-55	85	K3811	M148	8 Channel Multiplexer.
76	849	2	1.0MΔ	MOH	8.0%	1.5*	15	15	375m	-55	125	K0274	M196b	4 Quad;13 Bit;±10V DC Ref or 20Vpp AC Ref.
77▼	872	2		MOH	8.7%	1.3*	15	15		-55	125	K02132	M382	12 bit CMOS DAC 1/2LSB Linearity typ.
78	A605	2	600k	PCB	-3.0	0.0	15	10	560m	-20	55	K026a	CB31	1 Ckt;2 Bit Binary;Accuracy 5.0m%.
79	A601	2	3.0M	PCB	-3.0	0.0	15	10	760m	-20	55	K026	CB31	1 Ckt; 3 Bit Binary; Accuracy .25%
80	A604	2	3.0M	PCB	-3.0	0.0	15	10	560m	-20	55	K026a	CB31	1 Ckt;2 Bit Binary; Accuracy .025%
81	A606	2	3.0M	PCB	-3.0	0.0	15	10	560m	-20	55		CB31	BCD Converter; 2 Bits; Accuracy-.025%.
82	3750-4-6H	2	500k	MOS	-9.0%	-2.0*	29	0.0	190m	-55	150		M132	10 bit D/A conv. Serial or Parallel input.
83▼	DAC1009	2		3DM	15%	.80*	15	15	525m†	0	70	K02128	M372	12 bits;Set.Time 4us;Line.± 1/2LSB max.
84▼	DAC1106-001	2		3DM	15%	.80*	15	15	1.2 §	0	70	K02129a	M373a	8 bits;Set.Time 25us;Line.± 1/2LSB max.
85▼	DAC1106-002	2		3DM	15%	.80*	15	15	1.2 §	0	70	K02129	M373	10 bits;Set.Time 25us;Line.± 1/2LSB max.
86	9908HC	3		MON			0.0	3.6		0	70	K0311	TO99	1 Ckt;Fan Out 7.
87	SN17908L	3		MON			0	8	250m	-55	125	K0311	CN13	1 Ckt; RTL; Fan out - 7
88	MC9704P	3	8.0M	MON			0.0	3.6	265m†	15	55	K0319	M278	4Bit Parallel Full Adder;RTL;tpd 125ns.
89	MC9804P	3	8.0M	MON			0.0	3.6	265m†	0	75	K0319	M278	4Bit Parallel Full Adder;RTL;tpd 125ns.
90	MC896P	3		MON	.80%	.50*	0	4	84m†	0	75		TO116	Dual Full Adders;tpd 60ns typ.
91	MC996F	3		MON	.82%	.57*	0	4	70m†	-55	125		TO86	Dual Full Adders;tpd 60ns typ.
92	MC796P	3		MON	.85%	.46*	0	4	84m†	0	75		TO116	Dual Full Adder;tpd 60ns typ.
93	MC896F	3		MON	.85%	.56*	0	4	70m†	-55	125		TO86	Dual Full Adders;tpd 60ns typ.
94	MC1019P	3		MON	-.85%	-1.5*†	5 2	0.0	145m	0	75	K0317	TO116	ECT;Carry tpd 4.0ns;Fan Out 25.
95	MC1059P	3		MON	-.85%	-1 5*†	5.2	0 0	375m†	0	75	K0337	M278	Dual;tpd 9.0ns typ.
96	MC1219F	3		MON	-.85%	-1.5*†	5.2	0.0	145m	-55	125	K0317	TO86	ECT;Carry tpd 4.0ns;Fan Out 25.
97	MC1219L	3		MON	-.85%	-1.5*†	5.2	0.0	145m	-55	125	K0317	TO116	ECT;Carry tpd 4.0ns;FanOut 25
98	MC1259F	3		MON	-.85%	-1.5*†	5.2	0.0	375m	-55	125	K0337	TO86	Dual;tpd 9.0ns typ.
99	MC1259L	3		MON	-.85%	-1.5†*	5.2	0.0	375m†	-55	125	K0337	M191	Dual; tpd 9.0ns typ.
100#	T152D2	3		MON	1.7%	.90*	0.0	5.0	150m†	-55	125	K0318a	M200	2Ckts; tpD 8.0ns.
101#	T152B1	3		MON	1 8%	.85*	0.0	7.0	150m†	0	75	K0318	M117b	Dual Full Adder.
102#	T152D1	3		MON	1.8%	.85*	0.0	5.0	150m†	0	75	K0318a	M200	2Ckts; tpD 8.0ns.
103♦	9304DC	3		MON	2.0%	.80*	0.0	5.0	275m%	0	75	K0318	M224c	Dual;Io 30mA max;tpd 45ns max.
104♦	9304DM	3		MON	2.0%	.80*	0.0	5.0	275m%	-55	125	K0318	M224c	Dual;Io 30mA max;tpd 45ns max.
105	9304FC	3		MON	2.0%	.80*	0.0	5.0	150m†	0	75	K0318	FP47b	Dual;tpd 45ns max.
106♦	9304FM	3		MON	2.0%	.80*	0.0	5.0	275m%	-55	125	K0318	FP79b	Dual;Io 30mA max;tpd 45ns max.
107▼	9304PC	3		MON	2.0%	80*	0 0	5.0	275m%	0	75	K0318	M357	Dual;Io 30mA max;tpd 45ns max
108	9380DC	3		MON	2.0%	.80*	0.0	5.0	175m§	0	70	K0313	TO116	Full;tpd 80ns max.
109	9380DM	3		MON	2.0%	80*	0.0	5.0	175m§	-55	125	K0313	TO116	Full;tpd 80ns max.
110	9380FC	3		MON	2.0%	.80*	0.0	5.0	175m§	0	70	K0313	FP52d	Full;tpd 80ns max.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	9380FM	3		MON	2 0%	.80*	0.0	5.0	175mŞ	-55	125	K0313	FP52d	Full;tpd 80ns max.
2	9382DC	3		MON	2.0%	80*	0.0	5.0	290mŞ	0	70	K0314	TO116	2-Bit Full;tpd 42ns max.
3	9382DM	3		MON	2.0%	.80*	0.0	5.0	290mŞ	-55	125	K0314	TO116	2-Bit Full;tpd 42ns max.
4	9382FC	3		MON	2.0%	.80*	0.0	5.0	290mŞ	0	70	K0314	FP52d	2-Bit Full;tpd 42ns max.
5	9382FM	3		MON	2.0%	80*	0.0	5.0	290mŞ	-55	125	K0314	FP52d	2-Bit Full;tpd 42ns max.
6	9383DC	3		MON	2.0%	.80*	0.0	5.0	640mŞ	0	70	K0320	M200j	4-Bit Binary Full;tpd 60ns max.
7	9383DM	3		MON	2.0%	.80*	0.0	5.0	640mŞ	-55	125	K0320	M200j	4-Bit Binary Full;tpd 60ns max.
8	9383FC	3		MON	2.0%	.80*	0 0	5.0	640mŞ	0	70	K0320	FP47b	4-Bit Binary Full;tpd 60ns max.
9	9383FM	3		MON	2.0%	.80*	0.0	5.0	640mŞ	-55	125	K0320	FP47b	4-Bit Binary Full;tpd 60ns max.
10#	FJH191	3		MON	2.0%	.80*	0.0	5.0	105mŤ	0	70	K0322	TO116	Binary full Adder;tpd 80ns max.
11#	FJH191-7480	3		MON	2.0%	.80*	0.0	5.0	105mŤ	0	70	K0313	M126f	Binary w/Grated Comp. inputs.
12#	FJH201	3		MON	2.0%	.80*	0.0	5.0	175mŤ	0	70	K0340	TO116	Binary full Adder;tpd 40ns max.
13#	FJH201-7482	3		MON	2.0%	.80*	0.0	5.0	175mŤ	0	70	K0340	M126f	2-Bit Binary;Fanout 10.
14#	FJH211	3		MON	2.0%	80*	0.0	5.0	390mŤ	0	70	K0345a	M146e	4 bit Binary full Adder;tpd 60ns max.
15#	FJH211-7483	3		MON	2.0%	.80*	0.0	5.0	390mŤ	0	70	K0315	M117q	4-Bit Binary;Fanout 10.
16#	FLH221-7480	3		MON	2 0%	.80*	0.0	5.0	175mŞ	0	70	K0341	M126p	Single Bit;Fanout 10.
17#	FLH225-8480	3		MON	2.0%	.80*	0.0	5.0	175mŞ	-25	85	K0341	M126p	Single Bit;Fanout 10.
18#	FLH231-7482	3		MON	2.0%	.80*	0.0	5.0	290mŞ	0	70	K0342	M126p	2-Bit;Fanout 10.
19#	FLH235-8482	3		MON	2.0%	.80*	0.0	5.0	290mŞ	-25	85	K0342	M126p	2-Bit;Fanout 10.
20#	FLH241-7483	3		MON	2.0%	.80*	0.0	5.0	640mŞ	0	70	K0343	M117w	4-Bit;Fanout 10.
21#	FLH245-8483	3		MON	2.0%	.80*	0.0	5.0	640mŞ	-25	85	K0343	M117w	4-Bit;Fanout 10.
22#	FLH451-74H183	3		MON	2.0%	.80*	0.0	5.0	220mŤ	0	70	K0332	M126p	Dual Carry-Save;tpd 11ns;Fanout 20.
23#	FLH455-84H183	3		MON	2.0%	.80*	0.0	5.0	220mŤ	-25	85	K0332	M126p	Dual Carry-Save;tpd 11ns;Fanout 20.
24	I751	3		PCB	2 0	.80	0.0	5.0		0	70		CB☑	Gated Full Adder.
25	ITT5482J	3		MON	2.0%	.80*	0 0	5.0		-55	125	K0314	M157	2 bit binary full adder.
26	ITT5483J	3		MON	2.0%	.80*	0.0	5.0		-55	125	K0320	M153	4 bit binary full adder.
27	ITT7482J	3		MON	2.0%	.80*	0.0	5.0		0	70	K0314	M157	2 bit binary full adder.
28	ITT7483J	3		MON	2.0%	.80*	0 0	5.0		0	70	K0320	M153	4 bit binary full adder.
29♦	JANM38510/00601BAA	3		MON	2.0%	.80*	0.0	5.5	300m	-55	125	K0351	FP52d	2 bit;Is 50mA;tpd 65ns max.
30♦	JANM38510/00601BAB	3		MON	2.0%	.80*	0.0	5.5	300m	-55	125	K0351	FP52d	2 bit;Is 50mA;tpd 65ns max.
31♦	JANM38510/00601BAC	3		MON	2.0%	.80*	0.0	5.5	300m	-55	125	K0351	FP52d	2 bit;Is 50mA;tpd 65ns max.
32♦	JANM38510/00601BCA	3		MON	2.0%	.80*	0.0	5 5	300m	-55	125	K0351	M314	2 bit;Is 50mA,tpd 65ns max.
33♦	JANM38510/00601BCB	3		MON	2.0%	.80*	0.0	5.5	300m	-55	125	K0351	M314	2 bit;Is 50mA,tpd 65ns max.
34♦	JANM38510/00601BCC	3		MON	2.0%	.80*	0 0	5.5	300m	-55	125	K0351	M314	2 bit;Is 50mA,tpd 65ns max.
35♦	JANM38510/00601BDC	3		MON	2.0%	.80*	0.0	5 5	300m	-55	125	K0351	FP83	2 bit;Is 50mA,tpd 65ns max.
36♦	JANM38510/00601CAA	3		MON	2.0%	.80*	0.0	5 5	300m	-55	125	K0351	FP52d	2 bit;Is 50mA,tpd 65ns max
37♦	JANM38510/00601CAB	3		MON	2.0%	80*	0.0	5.5	300m	-55	125	K0351	FP52d	2 bit;Is 50mA;tpd 65ns max.
38♦	JANM38510/00601CAC	3		MON	2.0%	.80*	0.0	5.5	300m	-55	125	K0351	FP52d	2 bit;Is 50mA;tpd 65ns max.
39♦	JANM38510/00601CCA	3		MON	2.0%	.80*	0.0	5.5	300m	-55	125	K0351	M314	2 bit;Is 50mA;tpd 65ns max.
40♦	JANM38510/00601CCB	3		MON	2 0%	.80*	0.0	5 5	300m	-55	125	K0351	M314	2 bit;Is 50mA;tpd 65ns max.
41♦	JANM38510/00601CCC	3		MON	2.0%	80*	0.0	5.5	300m	-55	125	K0351	M314	2 bit,Is 50mA;tpd 65ns max.
42▼	JANM38510/00602BEA	3		MON	2 0%	.80*	0.0	5.5	600m	-55	125	K0356	M323	4 bit;Is 100mA;tpd 77ns max.
43	JANM38510/00602BEB	3		MON	2 0%	.80*	0.0	5.5	600m	-55	125	K0356	M323	4 bit;Is 100mA;tpd 77ns max.
44	JANM38510/00602BEC	3		MON	2.0%	.80*	0.0	5.5	600m	-55	125	K0356	M323	4 bit;Is 100mA;tpd 77ns max.
45	JANM38510/00602BFB	3		MON	2 0%	.80*	0.0	5.5	600m	-55	125	K0356	FP93	4 bit,Is 100mA;tpd 77ns max.
46	JANM38510/00602BFC	3		MON	2.0%	.80*	0.0	5.5	600m	-55	125	K0356	FP93	4 bit;Is 100mA;tpd 77ns max.
47▼	JANM38510/00602CEA	3		MON	2.0%	80*	0.0	5.5	600m	-55	125	K0356	M323	4 bit;Is 100mA;tpd 77ns max.
48	JANM38510/00602CEB	3		MON	2.0%	80*	0.0	5.5	600m	-55	125	K0356	M323	4 bit;Is 100mA;tpd 77ns max.
49	JANM38510/00602CEC	3		MON	2 0%	.80*	0.0	5.5	600m	-55	125	K0356	M323	4 bit;Is 100mA;tpd 77ns max.
50	JANM38510/00602CFB	3		MON	2.0%	.80*	0.0	5.5	600m	-55	125	K0356	FP93	4 bit,Is 100mA;tpd 77ns max.
51	JANM38510/00602CFC	3		MON	2.0%	.80*	0.0	5.5	600m	-55	125	K0356	FP93	4 bit;Is 100mA;tpd 77ns max.
52#	M53280P	3		MON	2.0%	.80*	0.0	7.0	105m	0	75	K0313	M105j	TTL
53#	M53283P	3		MON	2.0%	.80*	0.0	7.0	39mŤ	0	75	K0315	M153b	4-Bit Binary Full Adder.
54#	M54304P	3		MON	2.0%	80*	0 0	7 0	150m	0	75	K0321	M153b	2ckts.
55	MC15482F	3		MON	2 0	.80	0.0	5.0	165mŤ	-55	125	K0323	TO86	2-Bit;Fan Out 10;Vol .40V;Voh 2.4V.
56	MC15482L	3		MON	2 0	.80	0.0	5.0	165mŤ	-55	125	K0323	TO116	2 Bit;Fan Out 10;Vol .40V;Voh 2.4V.
57	MC17482F	3		MON	2.0	80	0.0	5.0	165mŤ	0	75	K0323	TO86	2-Bit;Fan Out 10;Vol .40V;Voh 2.4V
58	MC17482L,P%	3		MON	2.0	.80	0.0	5.0	165mŤ	0	75	K0323	TO116	2-Bit;Fan Out 10;Vol .40V;Voh 2.4V.
59	MC25482F	3		MON	2 0	80	0.0	5.0	165mŤ	-55	125	K0323	TO86	2-Bit;Fan Out 10;Vol .40V;Voh 2 4V.
60	MC25482L	3		MON	2.0	.80	0.0	5.0	165mŤ	-55	125	K0323	TO116	2-Bit;Fan Out 10;Vol .40V;Voh 2.4V.
61	MC27482F	3		MON	2.0	80	0.0	5.0	165mŤ	0	75	K0323	TO86	2-Bit;Fan Out 10;Vol .40V;Voh 2.4V.
62	MC27482L,P%	3		MON	2.0	.80	0.0	5.0	165mŤ	0	75	K0323	TO116	2-Bit;Fan Out 10,Vol .40V,Voh 2.4V.
63#	MIC5480J	3		MON	2.0%	.80*	0.0	5.0		-55	125	K0313	TO116	Gated Full Adder.
64#	MIC5482J	3		MON	2.0%	.80*	0.0	5.0	175mŤ	-55	125	K0314	TO116	2 Bit Binary.
65#	MIC5483J	3		MON	2.0%	.80*	0 0	5.0	390mŤ	-55	125	K0320	M153a	4 bit Binary;tpd 29ns;Fan Out 10 max.
66#	MIC6480J	3		MON	2.0%	.80*	0.0	5.0		-40	85	K0313	TO116	Gated Full Adder.
67#	MIC6482J	3		MON	2.0%	.80*	0.0	5.0	175mŤ	-40	85	K0314	TO116	2 Bit Binary.
68#	MIC6483J	3		MON	2.0%	.80*	0.0	5.0	390mŤ	-40	85	K0320	M153a	4 bit Binary;tpd 29ns;Fan Out 10 max
69#	MIC7480J	3		MON	2.0%	.80*	0.0	5.0		0	75	K0313	TO116	Gated Full Adder.
70#	MIC7480N	3		MON	2.0%	.80*	0.0	5.0		0	75	K0313	TO116	Gated Full Adder.
71#	MIC7482J	3		MON	2.0%	.80%	0.0	5.0	175mŤ	0	75	K0314	TO116	2-bit Binary Full Adder.
72#	MIC7482N	3		MON	2.0%	.80*	0.0	5.0	175mŤ	0	75	K0314	M126	2 Bit Binary Full Adder.
73#	MIC7483J	3		MON	2.0%	.80*	0 0	5.0	390mŤ	0	75	K0320	M153a	4 bit Binary;tpd 29ns;Fan Out 10 max.
74#	MIC7483N	3		MON	2.0%	.80*	0.0	5.0	390mŤ	0	75	K0320	M126	4 Bit Binary;tpD 29ns;Fan Out 10 max
75	N7480A	3		MON	2.0%	.80*	0.0	5.0		0	70	K0322	TO116	Gated;tpd 80ns;FO 10.
76	N7480Q	3		MON	2.0%	.80*	0.0	5.0		0	70	K0322	TO88	Gated;tpd 80ns;FO 10.
77	N7483B	3		MON	2.0%	.80*	0.0	5 0		0	70	K0349	M256	4 bit Binary (Look Ahead Carry).
78	N7483R	3		MON	2.0%	.80*	0.0	5 0		0	70	K0349	FP79a	4 bit Binary (Look Ahead Carry).
79	NC7483N	3		MON	2.0%	.80*	0.0	7.0	70mŤ	0	70	K0315	M117	4-Bit Binary full adder.
80	S5480A	3		MON	2 0%	80*	0.0	5.0		-55	125	K0322	TO116	Gated,tpd 80ns;FO 10.
81	S5480Q	3		MON	2 0%	.80*	0.0	5.0		-55	125	K0322	TO88	Gated;tpd 80ns;FO 10.
82	S5483E	3		MON	2.0%	.80*	0.0	5.0		-55	125	K0349	M153a	4 bit Binary (Look Ahead Carry).
83	S5483R	3		MON	2.0%	80*	0.0	5 0		-55	125	K0349	FP79a	4 bit Binary (Look Ahead Carry).
84#	SFC483E	3		MON	2.0%	80*	0.0	5.0		0	70		M117	4 bit binary full adder.
85#	SFC483EM	3		MON	2.0%	80*	0.0	5 0		-55	125		M117	4 bit binary full adder.
86#	SFC483ET	3		MON	2 0%	.80*	0.0	5.0		-25	85		M117	4 bit binary full adder.
87♦	SN54H183J	3		MON	2 0%	80*	0 0	5 0	220mŤ	-55	125	K0332	M157b	Dual carry-save;tpD 11ns;FanOut 20.

LINE No.	5 TYPE No	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	SN54H183N	3		MON	2.0%	.80*	0.0	5.0	220mt	-55	125	K0332	M126a	Dual carry-save;tpD 11ns; FanOut 20.
2▼	SN54H183W	3		MON	2.0%	.80*	0.0	5.0	220mt	-55	125	K0332	Δ004AA	Dual carry-save;tpd 11ns;Fan Out 20
3♦	SN54LS83J	3		MON	2.0%	.80*	0.0	5.0	75mt	-55	125	K0320	M153d	4-Bit Binary Full Adder.
4♦	SN54LS83N	3		MON	2.0%	.80*	0.0	5.0	75mt	-55	125	K0320	M117x	4-Bit Binary Full Adder.
5▼	SN54LS83W	3		MON	2.0%	80*	0.0	5.0	75mt	-55	125	K0320	Δ004AG	4-Bit Binary Full Adder.
6♦	SN74H183J	3		MON	2.0%	.80*	0.0	5.0	220mt	0	70	K0332	M157b	Dual carry-save;tpD 11ns; Fan Out 20.
7♦	SN74H183N	3		MON	2.0%	.80*	0.0	5.0	220mt	0	70	K0332	M126e	Dual carry-save;tpD 11ns; FanOut 20.
8♦	SN5480J	3		MON	2.0%	80*	0.0	5.0	105mt	-55	125	K0313	M157b	Gated full adder.
9	SN5480N	3		MON	2.0%	.80*	0.0	5.0		0	70	K0313	M126	Gated full adder.
10♦	SN5480W	3		MON	2.0%	.80*	0.0	5.0	105mt	-55	125	K0313	Δ004AA	Gated full adder.
11♦	SN5482J	3		MON	2.0%	.80*	0.0	5.0	175mt	-55	125	K0314	M157b	2-bit binary full adder.
12	SN5482N	3		MON	2.0%	.80*	0.0	5.0		-55	125	K0314	M126	2-bit binary full adder.
13♦	SN5482W	3		MON	2.0%	.80*	0.0	5.0	175mt	-55	125	K0314	Δ004AA	2 Bit Binary Full Adder.
14♦	SN5483AJ	3		MON	2.0%	80*	0.0	5.0	310mt	-55	125	K0350	M153d	4-Bit Binary w/Fast Carry
15	SN5483AW	3		MON	2.0%	.80*	0.0	5.0	310mt	-55	125	K0350	Δ004AG	4-Bit Binary w/Fast Carry
16	SN5483J	3		MON	2.0%	.80*	0.0	5.0	395mW	-55	125	K0320	M146	4 bit;tpd 50ns max;Is 79mA max.
17	SN5483N	3		MON	2.0%	80*	0	5.5	70mt	-55	125		M117	4-Bit Binary Full Adder
18#	SN6480N	3		MON	2.0%	.80*	0.0	7.0	21mt	-40	85	K0313	M75a	Gated Full Adder
19#	SN6482N	3		MON	2.0%	.80*	0.0	7.0	35mt	-40	85	K0314	M75a	2-Bit Binary Full Adder.
20#	SN6483N	3		MON	2.0%	.80*	0.0	7.0	70mt	-40	85	K0315	M117	4-Bit Binary Full Adder
21♦	SN7480J	3		MON	2.0%	.80*	0.0	5.0	105mt	0	70	K0313	M157b	Gated full adder.
22♦	SN7480N	3		MON	2.0%	.80*	0.0	5.0	105mt	0	70	K0313	M126e	Gated full adder.
23	SN7480W	3		MON	2.0%	.80*	0.0	5.0		-55	125	K0313	TO84	Gated Full Adder
24♦	SN7482J	3		MON	2.0%	80*	0.0	5.0	175mt	0	70	K0314	M157b	2-bit binary full adder.
25♦	SN7482N	3		MON	2.0%	.80*	0.0	5.0	175mt	0	70	K0314	M126e	2-bit binary full adder.
26	SN7482W	3		MON	2.0%	.80*	0.0	5.0		0	70	K0314	TO84	2 Bit Binary Full Adder.
27♦	SN7483AJ	3		MON	2.0%	.80*	0.0	5.0	310mt	0	70	K0350	M153d	4-Bit Binary w/Fast Carry.
28♦	SN7483AN	3		MON	2.0%	80*	0.0	5.0	310mt	0	70	K0350	M117x	4-Bit Binary w/Fast Carry
29	SN7483J	3		MON	2.0%	80*	0.0	5.0		0	70	K0320	M153	4-bit binary full adders.
30	SN7483N	3		MON	2.0%	.80*	0.0	5.0	395mW	0	70	K0320	M117e	1 bit;tpd 50ns max;Is 79mA max.
31♦	SN54283J	3		MON	2.0%	80*	0.0	5.0	310mt	-55	125	K0350a	M153d	4-Bit Binary w/Fast Carry.
32	SN54283W	3		MON	2.0%	.80*	0.0	5.0	310mt	-55	125	K0350a	Δ004AG	4-Bit Binary w/Fast Carry
33♦	SN74283J	3		MON	2.0%	80*	0.0	5.0	310mt	0	70	K0350a	M153d	4-Bit Binary w/Fast Carry.
34♦	SN74283N	3		MON	2.0%	80*	0.0	5.0	310mt	0	70	K0350a	M117x	4-Bit Binary w/Fast Carry
35	SW5480J	3		MON	2.0%	80*	0.0	5.5	105mt	-55	125	K0313	M114	TTL;tpd 50ns; Noise Rej. 1.0V;FO10.
36	SW5482J	3		MON	2.0%	80*	0.0	5.5	175mt	-55	125	K0314	M114	TTL;tpd 50ns;Noise Rej. 1.0V;FO10
37	SW5483J	3		MON	2.0%	.80*	0.0	5.0	395mW	-55	125	K0320	M117	4 Bit;tpd 50ns max;Is 79mA max
38	SW7480J	3		MON	2.0%	.80*	0.0	5.25	105mt	0	70	K0313	M114	TTL;tpd 50ns;Noise Rej 1.0V;FO10
39	SW7480N	3		MON	2.0%	.80*	0.0	5.25	105mt	0	70	K0313	M105n	TTL;tpd 50ns;Noise Rej. 1.0V;FO10
40	SW7482J	3		MON	2.0%	.80*	0.0	5.25	175mt	0	70	K0314	M114	TTL;tpd 50ns;Noise Rej. 1.0V;FO10
41	SW7482N	3		MON	2.0%	80*	0.0	5.25	175mt	0	70	K0314	M105n	TTL;tpd 50ns;Noise Rej. 1.0V;FO10
42	SW7483J	3		MON	2.0%	.80*	0.0	5.0	395mW	0	70	K0320	M117	4 Bit;Binary Full Adder
43	SW7483N	3		MON	2.0%	.80*	0.0	5.25	350mt	0	70	K0320	M105n	TTL;tpd 50ns;Noise Rej. 1.0V;FO10
44#	TL74H183N	3		MON	2.0%	.80*	0.0	5.0	231mt	0	70	K0332	M126n	Dual Carry-Save;tpd 18ns max.
45#	TL7480N	3		MON	2.0%	.80*	0.0	5.0	183mt	0	70	K0313	M126n	Tpd 80ns max;Fan Out 10 max.
46#	TL7482N	3		MON	2.0%	.80*	0.0	5.0	304mt	0	70	K0314	M126n	Tpd 42ns;Fan Out 10.
47#	TL7483N	3		MON	2.0%	.80*	0.0	5.0	672mt	0	70	K0350	M117u	Tpd 60ns;Fan Out 10.
48	US5480A	3		MON	2.0%	80*	0.0	7.0	21mt	-55	125	K0313	M105b	Gated Full Adder.
49	US5480J	3		MON	2.0%	.80*	0.0	5.5	21mt	-55	125		TO88	Gated Full Adder.
50	US5482A	3		MON	2.0%	80*	0.0	5.5	35mt	-55	125	K0314	M105b	2 Bit Binary Full Adder.
51	US5482J	3		MON	2.0%	.80*	0.0	5.5	35mt	-55	125		TO88	2 Bit Binary Full Adder.
52	US5483A	3		MON	2.0%	80*	0.0	5.5	70mt	-55	125		M117g	4 Bit Binary Full Adder.
53	US7480A	3		MON	2.0%	.80*	0.0	5.0	105mt	0	70	K0313	M105b	Gated Full Adder
54	US7480J	3		MON	2.0%	80*	0.0	5.0	105mt	0	70	K0313	TO88	Gated Full Adder.
55	US7482A	3		MON	2.0%	.80*	0.0	5.0	175mt	0	70	K0314	M105b	2 Bit Binary Full Adder.
56	US7482J	3		MON	2.0%	.80*	0.0	5.0	175mt	0	70	K0314	TO88	2 Bit Binary Full Adder
57	US7483A	3		MON	2.0%	80*	0.0	5.0	390mt	0	70	K0320	M117g	4 Bit Binary Full Adder.
58♦	SN74LS83J	3		MON	2.0%	.90*	0.0	5.0	75mt	0	70	K0320	M153d	4-Bit Binary Full Adder.
59♦	SN74LS83N	3		MON	2.0%	.90*	0.0	5.0	75mt	0	70	K0320	M117x	4-Bit Binary Full Adder.
60▼	SN74LS83W	3		MON	2.0%	.90*	0.0	5.0	75mt	0	70	K0320	Δ004AG	4-Bit Binary Full Adder.
61	D4034	3	5.0M	PCB	2.0%	.95*	0	5	900m	0	75		CB⊿	4 Full Adders w/storage for 1 bit delay
62♦	MC5480L	3		MON	2.4%	40*†	0.0	5.0	105mt	-55	125	K0322a	TO116	Gated Full Adder.
63	MC5483L	3		MON	2.4%	.40*†	0.0	5.0	390mt	-55	125	K0320	M191	4 Bit Binary, tpD 35ns typ.
64▼	MC7480F	3		MON	2.4%	.40*†	0.0	5.0	105mt	0	75	K0322a	TO86	Gated Full Adder.
65♦	MC7480L,P%	3		MON	2.4%	40*†	0.0	5.0	105mt	0	75	K0322a	TO116	Gated Full Adder.
66	MC7483L	3		MON	2.4%	.40*†	0.0	5.0	390mt	0	70	K0320	M191	4 Bit Binary; tpD 35ns typ.
67	MC7483P	3		MON	2.4%	40*†	0.0	5.0	390mt	0	70	K0320	M278	4 Bit Binary;tpd 35ns typ.
68	MC8304F	3			2.4%	40†*	0.0	5.0	110mt	0	75	K0331	FP85	Dual Full Adder.
69	MC8304L	3			2.4%	.40*†	0.0	5.0	110mt	0	75	K0331	M191	Dual full adder.
70	MC8304P	3			2.4%	.40*†	0.0	5.0	110mt	0	75	K0331	M278	Dual Full Adder.
71▼	MC8380F	3		MON	2.4%	.40*†	0.0	5.0	105mt	0	75	K0322a	TO86	Gated Full Adder.
72▼	MC8380L,P%	3		MON	2.4%	40*†	0.0	5.0	105mt	0	75	K0322a	TO116	Gated Full Adder
73	MC8383L	3		MON	2.4%	40*†	0.0	5.0	390mt	0	70	K0320	M191	4 Bit Binary;tpd 35ns typ
74	MC8383P	3		MON	2.4%	40*†	0.0	5.0	390mt	0	70	K0320	M278	4 Bit Binary;tpd 35ns typ.
75	MC9304F	3			2.4%	40†*	0.0	5.0	110mt	-55	125	K0331	FP85	Dual Full Adder.
76	MC9304L	3			2.4%	40*†	0.0	5.0	110mt	-55	125	K0331	M191	Dual full adder.
77▼	MC9380F	3		MON	2.4%	.40*†	0.0	5.0	105mt	-55	125	K0322a	TO86	Gated Full Adder.
78▼	MC9380L	3		MON	2.4%	40*†	0.0	5.0	105mt	-55	125	K0322a	TO116	Gated Full Adder.
79	MC9383L	3		MON	2.4%	.40*†	0.0	5.0	390mt	-55	125	K0320	M191	4 Bit Binary;tpd 35ns typ.
80	MC54456F	3		MON	2.4%	.40*†	0.0	5.0	300mt	-55	125	K0355	FP85	NBCD;FO10;tpd 30ns typ
81	MC54456L	3		MON	2.4%	.40*†	0.0	5.0	300mt	-55	125	K0355	M191	NBCD;FO10;tpd 30ns typ
82	MC74456F	3		MON	2.4%	.40*†	0.0	5.0	300mt	0	75	K0355	FP85	NBCD;FO 10;tpd 30ns typ.
83	MC74456L	3		MON	2.4%	40*†	0.0	5.0	300mt	0	75	K0355	M191	NBCD,FO 10;tpd 30ns typ.
84	MC74456P	3		MON	2.4%	.40*†	0.0	5.0	300mt	0	75	K0355	M278	NBCD;FO10;tpd 30ns typ
85	MIC9304-1D	3			2.4%	.40*	0.0	5.0	150mt	-55	125	K0318	M153a	2ckts;TTL.
86	MC4026F	3			2.4%	.45*†	0.0	5.0	90mt	0	75	K0328	TO86	Serial and ripple carry parallel adder.
87	MC4026L,P%	3			2.4%	.45*†	0.0	5.0	90mt	0	75	K0328	TO116	Serial And Ripple Carry Parallel Adder.
88	MC4027F	3			2.4%	.45*†	0.0	5.0	90mt	0	75	K0328	TO86	Serial and ripple carry parallel adder.
89	MC4027L,P%	3			2.4%	45*†	0.0	5.0	90mt	0	75	K0328	TO116	Serial And Ripple Carry Parallel Adder.
90	MC4028F	3			2.4%	.45*†	0.0	5.0	125mt	0	75	K0329	TO86	Fast adder.
91	MC4028L,P%	3			2.4%	45*†	0.0	5.0	125mt	0	75	K0329	TO116	Fast Adder.
92	MC4029F	3			2.4%	.45*†	0.0	5.0	125mt	0	75	K0329	TO86	Fast adder.
93	MC4029L,P%	3			2.4%	45*†	0.0	5.0	125mt	0	75	K0329	TO116	Fast Adder.
94	MC4030F	3			2.4%	45*†	0.0	5.0	125mt	0	75	K0329a	TO86	Fast adder.
95	MC4030L,P%	3			2.4%	.45*†	0.0	5.0	125mt	0	75	K0329a	TO116	Fast Adder.
96	MC4031F	3			2.4%	.45*†	0.0	5.0	125mt	0	75	K0329a	TO86	Fast adder.
97	MC4031L,P%	3			2.4%	.45*†	0.0	5.0	125mt	0	75	K0329a	TO116	Fast Adder.
98	MC4326F	3			2.4%	.45*†	0.0	5.0	90mt	-55	125	K0328	TO86	Serial And Ripple-Carry Parallel Adder.
99	MC4326L	3			2.4%	.45*†	0.0	5.0	90mt	-55	125	K0328	TO116	Serial And Ripple Carry Parallel Adder.
100	MC4327F	3			2.4%	.45*†	0.0	5.0	90mt	-55	125	K0328	TO86	Serial And Ripple-Carry Parallel Adder.
101	MC4327L	3			2.4%	45*†	0.0	5.0	125mt	0	75	K0328	TO116	Fast Adder.
102	MC4328F	3			2.4%	.45*†	0.0	5.0	125mt	-55	125	K0329	TO86	Fast adder.
103	MC4328L	3			2.4%	45*†	0.0	5.0	125mt	0	75	K0329	TO116	Fast Adder.
104	MC4329F	3			2.4%	.45*†	0.0	5.0	125mt	-55	125	K0329	TO86	Fast adder.
105	MC4329L	3			2.4%	.45*†	0.0	5.0	125mt	0	75	K0329	TO116	Fast Adder.
106	MC4330F	3			2.4%	45*†	0.0	5.0	125mt	-55	125	K0329a	TO86	Fast adder.
107	MC4330L	3			2.4%	.45*†	0.0	5.0	125mt	0	75	K0329a	TO116	Fast Adder.
108	MC4331F	3			2.4%	45*†	0.0	5.0	125mt	-55	125	K0329a	TO86	Fast adder.
109	MC4331L	3			2.4%	.45*†	0.0	5.0	125mt	0	75	K0329a	TO116	Fast Adder.
110	MIC9304-5D	3			2.4%	45*	0.0	5.0	150mt	0	75	K0318	M153a	2ckts,TTL.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1▼	MC5480F	3		MON	2.4%	4.0*†	0.0	5 0	105m†	-55	125	K0322a	TO86	Gated Full Adder
2	N8268A	3		MON	2.6%	40†	0.0	5.0	185m	0	75	K0322	M105q	F.O. 20max,tpd 8 0ns;VTH 2.0V max
3	N8268F	3		MON	2.6%	40†*	0.0	5.0	185m	0	75	K0322	M157	Gated;FO 20 tpD 8.0ns;Vth 2.0V.
4	N8268Q	3		MON	2.6%	.40†	0.0	5 0	185m	0	75	K0322	TO88	F.O. 20 max; tpd 8.0ns;VTH 2.0V max.
5	RL3100N	3		MON	2.6%	.40*†	0.0	5.25	510m	-55	125	K3111	FP59	Arithmetic Logic Element;4 Bit Full Adder
6	RL3102N	3		MON	2.6%	.40*†	0.0	5.25	575m	0	75	K3111	FP59	Arithmetic Logic Element,4 Bit Full Adder
7	S8268A	3		MON	2.6%	.40†	0.0	5.0	185m	-55	125	K0322	M105q	F.O. 20 max, tps 8.0ns;VTH 2.0V max.
8	S8268F	3		MON	2.6%	.40†	0.0	5.0	185m	-55	125	K0322	M105r	F.O. 20max;tpd 8.0ns;VTH 2.0V max.
9	S8268Q	3		MON	2.6%	.40†	0.0	5.0	185m	-55	125	K0322	TO88	F.O. 20max;tpd 8.0ns,VTH 2.0V max.
10	TRWM20	3		MON	3.3	.25†	0.0	5.0	125m	-55	125			Dependent carry fast adder.
11	TRWM30	3		MON	3 3	.25†	0.0	5.0	125m	-55	125			In dependent carry fast adder.
12	TRWM40	3		MON	3.3	.25†	0.0	5.0	25m	-55	125			Carry decoder.
13	RL10D	3		MON	3.5	.20†	- 0	5	90m	-55	125		M105m	Fast Full Adder.
14	RL10K	3		MON	3.5	.20†	0	5	90m	-55	125		FP21b	Fast Full Adder.
15	RL11D	3		MON	3.5	.20†	0	5	90m	-55	125		M105m	Fast Full Adder.
16	RL11K	3		MON	3.5	.20†	0	5	90m	-55	125		FP21b	Fast Full Adder.
17	RL12D	3		MON	3.5	.20†	0	5	90m	0	75		M105m	Fast Full Adder.
18	RL12K	3		MON	3.5	.20†	0	5	90m	0	75		FP21b	Fast Full Adder.
19	RL13D	3		MON	3.5	.20†	0	5	90m	0	75		M105m	Fast Full Adder.
20	RL13K	3		MON	3.5	.20†	0	5	90m	0	75		FP21b	Fast Full Adder.
21	RL20D	3		MON	3.5	.20†	0	5	125m	-55	125		M105m	Dependent and Independent carryfast adder.
22	RL20K	3		MON	3.5	.20†	0	5	125m	-55	125		FP21b	Dependent and Independent carryfast adder.
23	RL21D	3		MON	3.5	.20†	0	5	125m	-55	125		M105m	Dependent and Independent carryfast adder.
24	RL21K	3		MON	3 5	.20†	0	5	125m	-55	125		FP21b	Dependent and Independent carryfast adder.
25	RL22D	3		MON	3.5	.20†	0	5	125m	0	75		M105m	Dependent and Independent carryfast adder.
26	RL22K	3		MON	3.5	.20†	0	5	125m	0	75		FP21b	Dependent and Independent carryfast adder.
27	RL23D	3		MON	3 5	.20†	0	5	125m	0	75		M105m	Dependent and Independent carryfast adder.
28	RL23K	3		MON	3.5	.20†	0	5	125m	0	75		FP21b	Dependent and Independent carryfast adder.
29	RL30D	3		MON	3.5	.20†	0	5	125m	-55	125		M105m	Dependent and Independent carryfast adder.
30	RL30K	3		MON	3.5	.20†	0	5	125m	-55	125		FP21b	Dependent and Independent carryfast adder.
31	RL31D	3		MON	3.5	.20†	0	5	125m	-55	125		M105m	Dependent and Independent carryfast adder.
32	RL31K	3		MON	3.5	.20†	0	5	125m	-55	125		FP21b	Dependent and Independent carryfast adder.
33	RL32D	3		MON	3.5	.20†	0	5	125m	0	75		M105m	Dependent and Independent carryfast adder.
34	RL32K	3		MON	3.5	.20†	0	5	125m	0	75		FP21b	Dependent and Independent carryfast adder.
35	RL33D	3		MON	3.5	.20†	0	5	125m	0	75		M105m	Dependent and Independent carryfast adder.
36	RL33K	3		MON	3.5	.20†	0	5	125m	0	75		FP21b	Dependent and Independent carryfast adder.
37	MC14008AL	3		MOS	4.99%	.01*†	0.0	10	1 0ut	-55	125	K0353	M191	4-Bit Full Adder.
38	MC14008CL	3		MOS	4.99%	.01*†	0.0	10	1.0ut	-40	85	K0353	M191	4-Bit Full Adder.
39	MC14008CP	3		MOS	4.99%	.01*†	0.0	10	1.0ut	-40	85	K0353	M278	4-Bit Full Adder.
40	T216	3	15M	PCB	5 0	0.0	0.0	5.0	825m%			K0318a	CB☑	Prop. delay 8.0ns;supply current 165mA.
41	MC14032AL	3	5.0MΔ%	MOS	9.99%	.01*†	0.0	10	100u	-55	125	K0346	M191	Triple Serial Adder
42	MC14032CL	3	5.0MΔ%	MOS	9.99%	.01*†	0.0	10	1.0m	-40	85	K0346	M191	Triple Serial Adder.
43	MC14032CP	3	5.0MΔ%	MOS	9.99%	.01*†	0.0	10	1.0m	-40	85	K0346	M278	Triple Serial Adder.
44	MC14038AL	3	5 0MΔ%	MOS	9.99%	.01*†	0.0	10	100u	-55	125	K0347	M191	Triple Serial Adder.
45	MC14038CL	3	5.0MΔ%	MOS	9.99%	.01*†	0.0	10	1.0m	-40	85	K0347	M191	Triple Serial Adder.
46	MC14038CP	3	5 0MΔ%	MOS	9.99%	.01*†	0.0	10	1.0m	-40	85	K0347	M278	Triple Serial Adder.
47	CD4008AD	3		MOS	10	0.0†	0.0	10	100u%	-55	125	K0326	Δ001AE	4 Bit Full Adder;tpd 500ns max
48	CD4008AE	3		MOS	10	0 0†	0.0	10	1.0m%	-40	85	K0326	Δ001AC	4 bit Full Adder;tpd 650ns max
49	CD4008AK	3		MOS	10	0.0†	0.0	10	100u%	-55	125	K0326	Δ004AG	4 Bit Full Adder;tpd 500ns max.
50	CM4008AD	3		MOS	10	0.0†	0.0	10	200m	-55	125	K0326	M210b	4 Bit;Noise Immunity 4.5V;tpd 500ns max.
51	CM4008AE	3		MOS	10	0.0†	0.0	10	200m	-40	85	K0326	M210b	4 Bit;Noise Immunity 4.5V;tpd 650ns max
52	SCL4008AD	3		MOS	10	0 0	0.0	10	100m	-55	125	K0326	Δ001AE	4 Bit Full Adder;tpd 500ns Max.
53	SCL4008AE	3		MOS	10	0.0	0.0	10	100m	-40	85	K0326	Δ001AC	4 Bit Full Adder;tpd 500ns Max.
54	SCL4008AF	3		MOS	10	0.0	0.0	10	100m	-55	125	K0326	Δ001AG	4 Bit Full Adder;tpd 500ns max
55	CD4032AD	3	5.0M%Δ	MOS	10	0.0†	0.0	10	100u%	-55	125	K0346	Δ001AE	Triple Serial Adder;tpd 500ns max.
56	CD4032AE	3	5.0M%Δ	MOS	10	0.0†	0.0	10	1.0m%	-40	85	K0346	Δ001AC	Triple Serial Adder;tpd 600ns max.
57	CD4032AK	3	5.0M%Δ	MOS	10	0.0†	0.0	10	100u%	-55	125	K0346	Δ004AG	Triple Serial Adder;tpd 500ns max
58	CD4038AD	3	5.0M%Δ	MOS	10	0.0†	0.0	10	100u%	-55	125	K0347	Δ001AE	Triple Serial Adder;tpd 500ns max.
59	CD4038AE	3	5.0M%Δ	MOS	10	0.0†	0.0	10	1.0m%	-40	85	K0347	Δ001AC	Triple Serial Adder;tpd 600ns max.
60	CD4038AK	3	5.0M%Δ	MOS	10	0.0†	0.0	10	100u%	-55	125	K0347	Δ004AG	Triple Serial Adder,tpd 500ns max.
61	CM4032AD	3	5.0Mt† Δ	MOS	10	0.0†	0 0	10	200m	-55	125	K0346	M210b	Triple Serial Adder;tpd 500ns max.
62	CM4032AE	3	5.0Mt† Δ	MOS	10	0.0†	0.0	10	200m	-40	85	K0346	M210b	Triple Serial Adder;tpd 600ns max.
63	CM4038AD	3	5.0Mt† Δ	MOS	10	0.0†	0.0	10	200m	-55	125	K0347	M210b	Triple Serial Adder;tpd 500ns max
64	CM4038AE	3	5.0Mt† Δ	MOS	10	0.0†	0.0	10	200m	-40	85	K0347	M210b	Triple Serial Adder,tpd 600ns max.
65	MEM5035	3	500kΔ	MOS	-10%	-2.0*	27	0.0		-55	95		TO87	2 Input ΔY Adder,Noise Immun. 1.0V min.
66#	9904-1-5B	4		MON			0 0	3.0	45m†	-55	125	K047	TO99	RTL.
67	9904HC	4		MON			0.0	3.6		0	70	K047	TO99	Fan Out 29
68	9912HC	4		MON			0.0	3.6		0	70	K046	TO99	1 Ckt;Fan Out 13.
69	HEP553-RT	4					0.0	6.0	63m				CN8	FO 5 typ;tpd 15ns typ.
70	MC775F	4		MON			0	4	120m	15	55	K0412b	TO86	RTL; tpd-20ns, Fan-Out-29.
71	SN17912L	4		MON			0	8	8 0m†	-55	125	K046b	CN13	1 Ckt; RTL, Fan out - 7
72	MC908F	4		MON	75%	.45*	0	4	14mt†	-55	125	K044	TO91	RTL, tpd-60ns; Fan-Out-7.
73	MC908G	4		MON	75%	.45*	0	4	14mt†	-55	125	K044	TO99	RTL; tpd-60ns; Fan-Out-7.
74	MC912F	4		MON	.75%	.45*	0.0	4.0	11mt†	-55	125	K046b	TO91	RTL;Prop.Delay 66ns;Fan Out 7.
75	MC912G	4		MON	.75%	.45*	0.0	4.0	11mt†	-55	125	K046b	TO99	RTL;Prop.Delay 66ns;Fan Out 7.
76	MC808F	4		MON	.80%	.46*	0	4	19mt†	0	75	K044	TO91	RTL; tpd-60ns, Fan-Out-7.
77	MC808G	4		MON	.80%	.46*	0	4	19mt†	0	75	K044	TO99	RTL; tpd-60ns; Fan-Out-7.
78	MC812F	4		MON	.80%	.46*	0.0	4.0	15mt†	0	75	K046b	TO91	RTL,Prop.Delay 66ns;Fan Out 7.
79	MC812G	4		MON	80%	.46*	0.0	4.0	15mt†	0	75	K046b	TO99	RTL;Prop.Delay 66ns;Fan Out 7.
80	MC904F	4		MON	.82%	. 57*	0	4	45mt†	-55	125	K0412	TO91	RTL; tpd-14ns; Fan-Out-9.
81	MC904G	4		MON	.82%	.57*	0	4	45mt†	-55	125	K0412	TO99	RTL; tpd-14ns; Fan-Out-9.
82	MC975F	4		MON	.82%	.57*	0	4	120mt†	-55	125	K0412b	TO86	RTL; tpd-20ns, Fan-Out-9.
83	MC804F	4		MON	.84%	.55*	0	4	45mt†	0	100	K0412	TO91	RTL, tpd-14ns; Fan-Out-9.
84	MC804G	4		MON	.84%	.55*	0	4	45mt†	0	100	K0412	TO99	RTL, tpd-14ns; Fan-Out-9.
85	MC875F	4		MON	.84%	.55*	0	4	120mt†	0	100	K0412b	TO86	RTL; tpd-20ns; Fan-Out-9.
86	MC775P	4		MON	.85%	.46*	0	4	120mt†	15	55	K0412a	TO116	RTL;tpd 20ns;Fan Out 29.
87	MC875P	4		MON	.88%	.50*	0	4	120mt†	0	75	K0412a	TO116	RTL;tpd 20ns,Fan Out 29.
88	MC303F	4	40M	MON	-.75	-1.6	5.2	0	80m	-55	125	K043	TO91	Tpd-6nsec,tr-10.5nsec;tf-14nsec
89	MC303G	4	40M	MON	-.75	-1.6	5.2	0	80m	-55	125	K043	CN9	Tpd-6nsec;tr-10.5nsec;tf-14nsec
90	MC353F	4	40M	MON	-.75	-1.6	5.2	0	80m	0	75	K043	TO91	Tpd-6nsec;tr-11nsec;tf-14nsec
91	MC353G	4	40M	MON	-.75	-1 6	5 2	0	80m	0	75	K043	CN9	Tpd-6nsec;tr-11nsec;tf-14nsec
92	MC704F	4		MON	1.1	.10	0	4	65mt†	15	55	K0412	TO91	RTL, tpd-14ns; Fan-Out-29
93	MC704G	4		MON	1.1	.10	0	4	65mt†	15	55	K0412	TO99	RTL; tpd-14ns; Fan-Out-29
94	MC708F	4		MON	1.1	.10	0	4	19mt†	15	55	K044	TO91	RTL; tpd-60ns; Fan-Out-7.
95	MC708G	4		MON	1.1	.10	0	4	19mt†	15	55	K044	TO99	RTL; tpd-60ns; Fan-Out-7.
96	MC712F	4		MON	1.1	.10	0.0	4.0	15mt†	15	55	K046b	TO91	RTL;tpd 66ns,Fan Out 7.
97	MC712G	4		MON	1 1	.10	0.0	4.0	15mt†	15	55	K046b	TO99	RTL;tpd 66ns,Fan Out 7.
98	MEM5031	4	1.0MΔ	MOS	-10%	-2*	27	0		-55	85		TO87	Servo Adder;Noise Immunity-1.0V min.
99#	MIC362-1D	5		MON			0.0	12		-55	125		M153a	Dual Output Interface.
100#	MIC362-1D1	5		MON			0.0	15		-55	125		M153a	Dual Output Interface.
101#	MIC362-5D	5		MON			0.0	12		-30	85		M153a	Dual Output Interface
102#	MIC362-5D1	5		MON			0.0	15		-30	85		M153a	Dual Output Interface.
103	N8T80A	5		MON		.35*†	0	5.0	20mΔ	0	75	K0521	TO116	Quad Nand Gate;ts 50ns max.
104	N8T80F	5		MON		.35†*	0.0	5.0	20mΔ	0	75	K0521	M157	Hex Inverter;ts 50ns max.
105	N8T80J	5		MON		.35*†	0	5.0	20mΔ	0	75	K0521	TO88	Quad Nand Gate;ts 50ns max.
106	N8T90A	5		MON		.35*†	0	5.0	20mΔ	0	75	K0521a	TO116	Hex Inverter;ts 50ns max.
107	N8T90F	5		MON		.35†*	0.0	5.0	20mΔ	0	75	K0521a	M157	Hex Inverter;ts 50ns max.
108	N8T90J	5		MON		.35*†	0	5.0	20mΔ	0	75	K0521a	TO88	Hex Inverter;ts 50ns max.
109	S8T80A	5		MON		35*†	0	5.0	20mΔ	-55	125	K0521	TO116	Quad Nand Gate;ts 50ns max.
110	S8T80F	5		MON		.35†*	0.0	5.0	20mΔ	-55	125	K0521	M157	Hex Inverter;ts 50ns max.

LINE No.	5 TYPE No.	1 USE	4 MAX OPER-ATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	S8T80J	5		MON		.35*†	0	5 0	20mΔ	-55	125	K0521	TO88	Quad Nand Gate;ts 50ns max.
2	S8T90A	5		MON		.35*†	0	5.0	20mΔ	-55	125	K0521a	TO116	Hex Inverter;ts 50ns max.
3	S8T90F	5		MON		.35†*	0.0	5.0	20mΔ	-55	125	K0521a	M157	Hex Inverter;ts 50ns max.
4	S8T90J	5		MON		.35*†	0	5.0	20mΔ	-55	125	K0521a	TO88	Hex Inverter;ts 50ns max
5	CH1101	5		MOH		11†	12	12	230m	-25	75		M158e	Hybrid logic to EIA Converter.
6#	ZSS58	5		MON	.20	4.0	0.0	5.0	19m	-55	125		CN2	Dual Interface; DTL; FO8.
7#	ZSS88	5		MON	20	4 0	0 0	5.0	19m	0	70		CN2	Dual Interface, DTL; FO8
8#	ZSS118	5		MON	.20	4.0	0.0	5.0	19m	-55	125		CN2	2 ckts.
9#	H114D1	5		MON	1.8%	.85*	0.0	20	100m%	0	75	G04432d	TO116	Quad converter;tpd 250ns max.
10#	H114D6	5		MON	1.8%	.85*	0.0	20	100m%	-40	85	G04432d	TO116	Quad Converter;tpd 250ns max.
11	9624DC	5		MOS	1.9%	1 1*	28	5.0	45mΔ	0	75	K15186	TO116	Dual;tpd 250ns max.
12	9624DM	5		MOS	1.9%	1 1*	28	5.0	45mΔ	-55	125	K15186	TO116	Dual;tpd 250ns max.
13	9624FC	5		MOS	1 9%	1.1*	28	5.0	45mΔ	0	75	K15186	FP28c	Dual;tpd 250ns max.
14	9624FM	5		MOS	1.9%	1 1*	28	5.0	45mΔ	-55	125	K15186	FP28c	Dual;tpd 250ns max.
15	MC943G	5		MON	2.0%	.40*	0	8	50m†	-55	125	K0532	TO100	DTL; tpd-80ns.
16#	MIC363-1D	5		MON	2 0%	40*	0 0	12		-55	125	K0557	M200d	Quad Low to High Level Interface.
17#	MIC363-1D1	5		MON	2.0%	40*	0.0	15		-55	125	K0557	M200d	Quad Low to High Level Interface.
18#	MIC363-5D	5		MON	2.0%	40*	0.0	12		-30	85	K0557	M200d	Quad Low to High Level Interface.
19#	MIC363-5D1	5		MON	2.0%	.40*	0.0	15		-30	70	K0557	M200d	Quad Low to High Level Interface
20	MC843G	5		MON	2.0%	.45*	0	8	50m†	0	75	K0532	TO100	DTL; tpd-80ns.
21	MC75450L,P%	5		MON	2.0%	80*	0.0	5.0	830m	0	70	K0555	TO116	Dual Peripheral Pos. And Driver.
22	MC75451P	5		MON	2.0%	.80*	0.0	5.0	830m	0	70	K0555	M293	Dual Peripheral Pos and Driver.
23	SN75370J	5		MON	2.0%	80*	0.0	19	700m	0	70	K15425	M153a	MOS Memory Interface.
24	SN75370N	5		MON	2.0%	.80*	0.0	19	700m	0	70	K15425	M117	MOS Memory Interface.
25	CDR5	5		MON	2.0%	1.0*	15	15	150m	-55	125	K0548	CN6e	Gate Driver, tpd 1 1.0us max.
26#	MIC361-1D	5		MON	2.4%	0.4†*	0	12		-55	125	K0558	M200d	Dual High to Low Level Interface
27#	MIC361-1D1	5		MON	2.4%	0 4†*	0	15		-55	125	K0558	M200d	Dual High to Low Level Interface.
28#	MIC361-5D	5		MON	2 4%	0 4†*	0	12		-30	85	K0558	M200d	Dual High to Low Level Interface
29#	MIC361-5D1	5		MON	2 4%	40†*	0.0	15		-30	70	K0558	M200d	Dual High to Low Level Interface.
30#	SP722BE	5		MON	2.4%	40†*	5.0	5.0	145m	0	70	K0543	M54b	Balanced Line to TTL Driver.
31#	SP722BF	5		MON	2 4%	.40†*	5.0	5.0	145m	0	70	K0543	FP2	Balanced Line to TTL Driver
32#	SP722BT	5		MON	2 4%	40†*	5.0	5.0	145m	0	70	K0543	CN58a	Balanced Line to TTL Driver
33#	SP723BE	5		MON	2.4%	40†*	5.0	5.0	155m	0	70	K0544	M54b	Balanced Line to TTL Driver.
34#	SP723BF	5		MON	2 4%	40†*	5.0	5 0	155m	0	70	K0544	FP21	Balanced Line to TTL Driver
35#	SP724BE	5		MON	2 4%	.40†*	5.0	5 0	230m	0	70	K0545	M54b	Balanced Line to TTL Driver.
36#	SP724BF	5		MON	2.4%	40†*	5.0	5.0	230m	0	70	K0545	FP21	Balanced Line to TTL Driver.
37	SN5500	5	2 0M	MON	2.7	.30†	6	6	200m	-55	125	K059	ZB5a	1 Ckt; Magnetic Core to Standard Logic.
38	LMD7A	5		DCM	3.0%	1.5*	0 0	45	5.0	0	100	K0547	M242	Io 2.0A max;Surge current 5.0A max
39	N8T18A	5		MON	3.4%	35*†	0.0	5.0	44mΔ	0	75	K0520	TO116	Nand Gate;Converts to Std. 5.0V Oper.
40	N8T18F	5		MON	3.4%	35†*	0 0	5.0	44mΔ	0	75	K0520	M157	N and Gate;Converts to Std. 5.0V Oper
41	N8T18J	5		MON	3 4%	35*†	0.0	5.0	44mΔ	0	75	K0520	TO88	Nand Gate;Converts to Std. 5.0V Oper.
42	S8T18A	5		MON	3.4%	.35*†	0.0	5.0	44mΔ	-55	125	K0520	TO116	Nand Gate,Converts to Std. 5.0V Oper.
43	S8T18F	5		MON	3 4%	35†*	0 0	5.0	44mΔ	-55	125	K0520	M157	N and Gate;Converts to Std. 5.0V Oper.
44	S8T18J	5		MON	3.4%	.35*†	0.0	5.0	44mΔ	-55	125	K0520	TO88	Nand Gate;Converts to Std. 5.0V Oper.
45	I403	5	5.0M	PCB	5.0	0.0	4.8	5.2	100m	0	70	K0525a	CB☑	5 Ckts;One in-Vx out;Zero in-0V out.
46	I404	5	5.0M	PCB	5.0	0.0	4.8	5.2	125m	0	70	K0525	CB☑	5 Ckts;One in-0V out;Zero in-Vx out.
47	I408	5	5.0M	PCB	5 0	0.0	4.8	5.2	100m	0	70	K0528	CB☑	0 to-1V in Zero out;-6 to -20V in One out
48	I409	5	5 0M	PCB	5.0	0.0	4.8	5.2	75m	0	70	K0529	CB☑	0 to 1V in One out;6 to 20V in Zero out.
49	I413	5	5.0M	PCB	5.0	0.0	4.8	5.2	550m	0	70		CB☑	Level Conversion from DTL to 5V and 20V.
50	I416	5	5 0M	PCB	5.0	0.0	4.8	5.2	450m	0	70		CB☑	Interface from DTL to 0V/30V
51	CH1140	5		MOH	5.0	.1†	5.0	3.0	500m†	-25	75		M158g	Hybrid EIA to Logic and Logic to EIA Dupl.
52	CH1141	5		MOH	5 0	.1†	1 0	5.0	50m	-25	75		M158f	Hybrid EIA to logic converter.
53	CH1142	5		MOH	5 0	.1†	1.0	5.0	50m	-25	75		M158f	Hybrid Dual EIA to Logic Converter.
54	361CJ	5		MON	5.0	.30†	0.0	12	120m	-30	85	K0518	M172	2 ckt,high level to low level.
55	362CJ	5		MON	5.0	.30†	0.0	12	150m	-30	85	K0519	M172	2 ckt;low level to high level.
56	LMD7B	5		DCM	6.0%	3.0*	0.0	45	4.0	0	100	K0547	M242	Io 2 0A max;Surge current 5.0A max.
57	361AJ	5		MON	6.5*	5.0%	0 0	15	165m†	-30	70	K0518	M319	Dual Inp.Interface;tpd 325ns max.
58	361AL	5		MON	6.5*	5.0%	0 0	15	165m†	-30	70	K0518	M200j	Dual Inp.Interface;tpd 325ns max.
59	361BL	5		MON	6 5*	5.0%	0 0	12	96m†	-55	125	K0518	M200j	Dual Inp.Interface;tpd 325ns max.
60	361CL	5		MON	6 5*	5.0%	0 0	12	96m†	-30	85	K0518	M200j	Dual Inp.Interface;tpd 325ns max.
61	361ML	5		MON	6.5*	5.0%	0.0	15	165m†	-55	125	K0518	M200j	Dual Inp.Interface;tpd 325ns max
62	362AJ	5		MON	6 5*	5.0%	0 0	15	195m†	-30	70	K0519	M319	Dual Outp Interface;tpd 400ns max.
63	362AL	5		MON	6.5*	5.0%	0.0	15	195m†	-30	70	K0519	M200j	Dual Outp Interface;tpd 400ns max
64	362BL	5		MON	6.5*	5.0%	0.0	12	120m†	-55	125	K0519	M200j	Dual Outp Interface;tpd 400ns max.
65	362CL	5		MON	6.5*	5.0%	0.0	12	120m†	-30	85	K0519	M200j	Dual Outp Interface;tpd 400ns max.
66	362ML	5		MON	6.5*	5.0%	0.0	15	195m†	-55	125	K0519	M200j	Dual Outp Interface;tpd 400ns max
67	363AJ	5		MON	6.5*	5.0%	0.0	15	960m†	-30	70	K0557	M319	Quad Outp Interface;tpd 600ns max.
68	363AL	5		MON	6.5*	5.0%	0.0	15	960m†	-30	70	K0557	M200j	Quad Outp Interface;tpd 600ns max.
69	363BL	5		MON	6.5*	5.0%	0.0	12	612m†	-55	125	K0557	M200j	Quad Outp Interface;tpd 600ns max.
70	363CJ	5		MON	6.5*	5 0%	0.0	12	612m†	-30	85	K0557	M319	Quad Outp Interface;tpd 600ns max.
71	363CL	5		MON	6.5*	5.0%	0.0	12	612m†	-30	85	K0557	M200j	Quad Outp Interface;tpd 600ns max.
72	363ML	5		MON	6 5*	5.0%	0.0	15	960m†	-55	125	K0557	M200j	Quad Outp Interface;tpd 600ns max.
73#	H113D1	5		MON	8 0%	6.0*	0 0	20	120m%	0	75	G04432c	TO116	Quad Converter;tpd 250ns max
74#	H113D6	5		MON	8.0%	6.0*	0.0	20	120m%	-40	85	G04432c	TO116	Quad Converter;tpd 250ns max.
75▼	TMS6011JC	5		MON	-1.5%	.80*	0.0	5 0	300m	-25	85	K0559	M380	Asynchronous Data Interface.
76▼	TMS6011NC	5		MON	-1.5%	.80*	0.0	5.0	300m	-25	85	K0559	M380	Asynchronous Data Interface.
77	W590	5		PCB	-3†	0.0	15	10		-20	65	K0517	CB31	IBM -N- Line to DEC.
78	9625DC	5		MOS	-3 0*	-9.0%	28	5.0	45mΔ	0	75	K15190	TO116	Dual;tpd 150ns max.
79	9625DM	5		MOS	-3.0*	-9 0%	28	5.0	45mΔ	-55	125	K15190	TO116	Dual;tpd 150ns max.
80	9625FC	5		MOS	-3.0*	-9.0%	28	5.0	45mΔ	0	75	K15190	FP28c	Dual;tpd 150ns max.
81	9625FM	5		MOS	-3.0*	-9.0%	28	5.0	45mΔ	-55	125	K15190	FP28c	Dual;tpd 150ns max.
82	LMD7C	5		DCM	10%	6.0*	0.0	45	4.0	0	100	K0547	M242	Io 2.0A max;Surge current 5.0A max.
83	CH1102	5		MOH	11	11†	12	12	230m	-25	75		M158e	Hybrid dual logic to EIA Converter.
84	LMD7D	5		DCM	15%	10*	0.0	45	4.0	0	100	K0547	M242	Io 2.0Amax;Surge current 5.0Amax.
85	LMD7E	5		DCM	20%	15*	0.0	45	4.0	0	100	K0547	M242	Io 2.0A max;Surge current 5.0A max.
86	LMD7F	5		DCM	24%	20*	0 0	45	4.0	0	100	K0547	M242	Io 2.0A max;Surge current 5.0A max.
87	LMD7G	5		DCM	32%	24*	0 0	45	4.0	0	100	K0547	M242	Io 2.0A max;Surge current 5.0A max.
88#	9900-1-5D	6		MON			0.0	3.0	45m†	-55	125	K06114	TO99	Buffer; RTL.
89	9900HC	6		MON			0.0	3.6		0	70	K0689b	TO99	Fan Out 80.
90#	9927-1-5F	6		MON			0.0	3.0		-55	125	K0686a	TO100	RTL; 4ckts.
91	9927HC	6		MON			0 0	3.6		0	70	K0643	TO100	4 Ckts;Fan Out 16.
92#	GTB74S04P	6		MON			0 0	5.0	37mΔ	0	70	K06109		Sextuple;tpd 3.0ns.
93#	GTB74S05P	6		MON			0.0	5.0	37mΔ	0	70	K06109		Sextuple;tpd 3.0ns.
94	HEP573-RT	6					0.0	4.0	130m				TO116	FO 80 typ;tpd 48ns typ
95	HEPC2002P-RT	6		MON			0.0	5.0	90m	0	75	K0688	TO116	Buffer;RTL;tpd 15ns.
96#	MIC332-1D	6		MON			0.0	12		-55	125		M153a	Hex Inverter.
97#	MIC332-1D1	6		MON			0.0	15		-55	125		M153a	Hex Inverter.
98#	MIC332-5D	6		MON			0.0	12		-30	85		M153a	Hex Inverter.
99#	MIC332-5D1	6		MON			0.0	15		-30	85		M153a	Hex Inverter.
100#	MIC333-1D	6		MON			0.0	12		-55	125		M153a	Hex Inverter.
101#	MIC333-1D1	6		MON			0.0	15		-55	125		M153a	Hex Inverter.
102#	MIC333-5D	6		MON			0.0	12		-30	85		M153a	Hex Inverter.
103#	MIC333-5D1	6		MON			0 0	15		-30	85		M153a	Hex Inverter
104#	MIC334-1D	6		MON			0.0	12		-55	125		M153a	Hex Inverter.
105#	MIC334-1D1	6		MON			0.0	15		-55	125		M153a	Hex Inverter.
106#	MIC334-5D	6		MON			0.0	12		-30	85		M153a	Hex Inverter.
107#	MIC334-5D1	6		MON			0.0	15		-30	85		M153a	Hex Inverter.
108	SP690A	6		MON			0 0	4.5	120m†	0	75	G0489m	M105ae	Hex;TpD 60ns; FO8;Noise Margin 2.0Vmax.
109	MC3009F	6		MON		40*†	0.0	5.0	90m†	0	75	G04387e	TO86	6 ckts; tpd 8.0ns typ, FO10.
110	MC3109F	6		MON		.40*†	0.0	5.0	90m†	-55	125	G04387e	TO86	6 ckts; tpd 8.0ns typ; FO10.

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	MC5405F	6		MON		40*†	0.0	5.0	60mt	-55	125	G04387f	TO86	6 Ckts;tpd 35ns;FO 10.
2	HEPC1035P-RT	6		MON		.45*†	0.0	5.0	42mt	0	75	K06123	TO116	Hex,DTL;tpd 30ns typ;FO 8.
3	SP391A	6		MON		.60†*	0.0	5.0	50m	0	75	K06121	TO116	Hex;6 ckts;FO 10;tpD 50ns max.
4	MC1820L,P%	6		MON		1.0*†	0.0	5.0	42mt	0	75	K0681f	TO116	Hi Volt,tpd 40ns;FO7;6ckts.
5#	TL681L	6		MON		1.5†*	0.0	15	192mt	-30	75	K06117	M157a	6 ckts;DTL;tpd 125ns typ;FO 10.
6#	TL681P	6		MON		1.5†*	0.0	15	192mt	-30	75	K06117	M114f	6 ckts;DTL;tpd 125ns typ;FO 10.
7#	ZN226	6		MON	.20	4.0	0.0	5.0	19m	-55	125		TO86	6 ckts.
8#	ZN226E	6		DTL	.20	4.0	0.0	4.5	19m	0	70		MØ	Hex Inverter;PD 9.0ns;FO,8.
9#	ZN236	6		MON	.20	4.0	0.0	5.0	19m	-55	125		TO86	6 ckts.
10#	ZN236E	6		DTL	.20	4.0	0.0	4.5	19m	0	70		MØ	Hex Inverter, PD, 9.0ns, FO,8.
11#	ZN326	6		MON	.20	4 0	0.0	5.0	19m	-55	125		TO88	
12#	ZN326E	6		MON	.20	4.0	0.0	5.0	19m	-55	125		TO88	
13#	ZN336	6		MON	.20	4.0	0.0	5.0	19m	-55	125		TO88	
14#	ZN336E	6		MON	.20	4.0	0.0	5.0	19m	-55	125		TO88	
15#	ZSS54A	6		MON	.20	4.0	0.0	5.0	19m	-55	125	K0679	CN2	3 ckts.
16#	ZSS54B	6		MON	.20	4.0	0.0	5.0	19m	-55	125	K0679	CN2	3 ckts.
17#	ZSS84A	6		MON	.20	4.0	0.0	5.0	19m	0	70	K0679	CN2	3 ckts.
18#	ZSS84B	6		MON	.20	4.0	0.0	5.0	19m	0	70	K0679	CN2	3 ckts.
19#	ZSS114A	6		MON	.20	4.0	0.0	5.0	19m	-55	125	K0679	CN2	3 ckts.
20#	ZSS114B	6		MON	.20	4.0	0.0	5.0	19m	-55	125	K0679	CN2	3 ckts.
21#	ZSS134A	6		MON	.20	4.0	0.0	5.0	19m	0	70	K0679	CN2	3 ckts.
22#	ZSS134B	6		MON	.20	4 0	0.0	5.0	19m	0	70	K0679	CN2	3 ckts.
23	MC909F	6		MON	.75%	.45*	0	4	16mt	-55	125	K0650	TO91	Buffer; Fan-Out-30; tpd-57ns.
24	MC909G	6		MON	.75%	.45*	0	4	16mt	-55	125	K0650	TO99	Buffer; Fan-Out-30; tpd-57ns.
25	MC809F	6		MON	.80%	.46*	0	4	23mt	0	75	K0650	TO91	Buffer; Fan-Out-30; tpd-57ns
26	MC809G	6		MON	.80%	46*	0	4	23mt	0	75	K0650	TO99	Buffer; Fan-Out-30; tpd-57ns
27	MC9818P	6		MON	.80%	.46*	0.0	3.0	7 0mt	0	75	K0686	TO116	6 Hex Inverters;Fan Out 4;tpd 12ns
28	MC899P	6		MON	80%	.50*	0 0	3.6	50mt	0	75	K0688	TO116	Dual Buffer;tpd 20ns;Fan Out 80.
29	MC900F	6		MON	.82%	.57*	0.0	4 0	45mt	-55	125	K0688b	TO91	1 Ckt;Fan Out 25,tpd 20ns.
30	MC900G	6		MON	.82%	.57*	0.0	4 0	45mt	-55	125	K0688b	TO99	1 Ckt;Fan Out 25;tpd 20ns.
31	MC927F	6		MON	82%	.57*	0	4	65mt	-55	125	K0669b	TO91	RTL, Fan-Out-5, tpd-12ns.
32	MC927G	6		MON	.82%	.57*	0	4	65mt	-55	125	K0669b	TO100	RTL, Fan-Out-5; tpd-12ns.
33	MC989F	6		MON	.82%	.57*	0	4	114mt	-55	125	K0669a	TO86	RTL; Fan-Out-5; tpd-12ns; Pd-114mW.
34	MC999F	6		MON	.82%	.57*	0.0	4.0	90mt	-55	125	K0688a	TO91	2 Ckts;Fan Out 25;tpd 20ns.
35	MC999G	6		MON	82%	57*	0 0	4 0	90mt	-55	125	K0688a	TO100	2 Ckts;Fan Out 25;tpd 20ns
36	MC800F	6		MON	.84%	.55*	0.0	4.0	45mt	0	100	K0688b	TO91	1 Ckt,Fan Out 25;tpd 20ns.
37	MC800G	6		MON	.84%	.55*	0.0	4.0	45mt	0	100	K0688b	TO99	1 Ckt;Fan Out 25;tpd 20ns.
38	MC827F	6		MON	84%	.55*	0	4	65mt	0	100	K0669b	TO91	RTL, Fan-Out-5; tpd-12ns.
39	MC827G	6		MON	.84%	.55*	0	4	65mt	0	100	K0669b	TO100	RTL; Fan-Out-5; tpd-12ns.
40	MC889F	6		MON	.84%	.55*	0	4	114mt	0	100	K0669a	TO86	RTL; Fan-Out-5; tpd-12ns; Pd-114mW.
41	MC899F	6		MON	.84%	.55*	0.0	4.0	90mt	0	100	K0688a	TO91	2 Ckts,Fan Out 25;tpd 20ns.
42	MC899G	6		MON	.84%	.55*	0.0	4.0	90mt	0	100	K0688a	TO100	2 Ckts,Fan Out 25;tpd 20ns.
43	MC789P	6		MON	85%	.46*	0.0	3.6	130m	15	55	K0686	TO116	6 ckt;tpd 12ns;Fan Out 5.
44	MC799P	6		MON	.85%	.46*	0.0	3.6	90mt	15	55	K0688	TO116	Dual Buffer;tpd 20ns;Fan Out 80.
45	MC9718P	6		MON	.85%	.46*	0.0	3.0	7.0mt	0	75	K0686	TO116	6 Hex Inverters;Fan Out 4;tpd 12ns.
46	MC889P	6		MON	.88%	.50*	0 0	3.6	130m	0	75	K0686	TO116	6 ckt;tpd 12ns;Fan Out 5.
47#	SP319A	6		MON	1.0	.22	0	8	40m	-55	125	K0689	TO78	RTL; Fan-Out-15; tpd-16ns.
48#	SP369A	6		MON	1.0	.22	0	8	40m	-55	125	K0689a	FP2	RTL, Fan-Out-15; tpd-16ns.
49	9109DC	6		3DM	1.0*	8 5%	.50	25		0	75		TO116	Hex Inverter.
50	9110DC	6		3DM	1.0*	8 5%	.50	25		0	75		TO116	Hex Inverter.
51	9112DC	6		3DM	1.0*	8.5%	.50	25		0	75		TO116	Hex Inverter.
52#	MIC9109-5D	6		3DM	1 0*	8.5%	.50	25		0	75		M157	Hex
53#	MIC9110-5D	6		3DM	1.0*	8.5%	.50	25		0	75		M157	Hex
54#	MIC9112-5D	6		3DM	1.0*	8.5%	.50	25		0	75		M157	Hex
55	MC709F	6		MON	1.1	.10	0	4	7mt	15	55	K0650	TO91	RTL; tpd-57ns; Fan-Out-7
56	MC709G	6		MON	1.1	.10	0	4	7mt	15	55	K0650	TO99	RTL; tpd-57ns; Fan-Out-7.
57	MC727F	6		MON	1.1	.10	0	4	348mt	15	55	K0669b	TO91	RTL, tpd-12ns, Fan-Out-16.
58	MC727G	6		MON	1.1	.10	0	4	348mt	15	55	K0669b	TO100	RTL; tpd-12ns; Fan-Out-16.
59	MC700F	6		MON	1.3	.10	0.0	4.0	25mt	15	55	K0688b	TO91	RTL;tpd 20ns;Fan Out 96.
60	MC700G	6		MON	1.3	.10	0	4	25mt	15	55	K0688b	TO99	RTL; tpd-20ns; Fan-Out-96.
61	MC789F	6		MON	1.3	.10	0	4	130mt	15	55	K0669a	TO86	RTL; tpd-12ns; Fan-Out-16.
62	MC799F	6		MON	1.3	.10	0	4	100mt	15	55	K0688a	TO91	RTL; tpd-20ns; Fan-Out-96.
63	MC799G	6		MON	1.3	.10	0	4	100mt	15	55	K0688a	TO100	RTL, tpd-20ns; Fan-Out-96.
64	SN5350	6		MON	1.5%	.30*	0	7	48m	-55	125	K0610a	TO89	4 Ckt; DTL; Fan out - 10
65	9016DM	6		MOS	1.7%	.90*	0.0	5.0	66mt	-55	125	G04345d	M157	6 Ckts;TTL Hex Inverter.
66	9016FM	6		MOS	1.7%	.90*	0.0	5.0	66mt	-55	125	G04345d	FP28b	6 Ckts;TTL Hex Inverter.
67	9017DM	6			1 7%	.90*	0.0	5.0	70m%	-55	125	K06107a	TO116	Hex;tpd 12ns max.
68	9017FM	6			1.7%	.90*	0.0	5.0	70m%	-55	125	K06107a	TO86	Hex;tpd 12ns max.
69#	MIC54135J	6		MON	1.7	.90	0.0	5.0	70mt	-55	125	K06142	TO116	NAND;tpd 22ns;F.O.20 max;tr10ns;tf 4.0ns.
70#	MIC54137J	6		MON	1.7	.90	0.0	5.0	105mt	-55	125	K06142a	TO116	Hex Inv,tpd 22ns;F.O.20 max,tr10ns;tf4.0ns
71#	MIC64135J	6		MON	1.7	.90	0.0	5.0	70mt	-40	85	K06142	TO116	NAND,tpd 22ns;F.O 20max;tr10ns;tf 4 0ns.
72#	MIC64137J	6		MON	1.7	.90	0 0	5.0	105mt	-40	85	K06142a	TO116	Hex Inv;tpd22ns;F.O.20 max;tr10ns;tf4 0ns
73#	MIC74135J	6		MON	1.7	.90	0.0	5.0	70mt	0	75	K06142	TO116	NAND;tpd 22ns;F.O.20 max;tr10ns;tf 4.0ns.
74#	MIC74135N	6		MON	1 7	.90	0.0	5.0	70mt	-55	125	K06142	M126	NAND;tpd 22ns;F.O.20 max;tr10ns;tf 4.0ns.
75#	MIC74137J	6		MON	1.7	.90	0.0	5.0	105mt	0	75	K06142a	TO116	Hex Inv;tpd22ns;F.O.20 max,tr10ns;tf4.0ns.
76#	MIC74137N	6		MON	1.7	.90	0.0	5.0	105mt	-55	125	K06142a	M126	NAND;tpd 22ns;F.O.20 max;tr10ns;tf 4.0ns.
77#	T116D2-14	6		MON	1.7%	.90*	0.0	5 0	66mt	-55	125	G03250d	M105e	6 ckts; TTL hex invertor.
78#	T116F2	6		MON	1.7%	.90*	0.0	5.0	66mt	-55	125	G03250d	FP28c	6 ckts; TTL hex inverter.
79	TG370F	6		MON	1 7	1 2	0.0	5.0	90mt	-55	125	K06103b	TO86	Hex Inverter;FO 15 max;tpd 20ns max.
80	TG370J	6		MON	1.7	1.2	0.0	5.0	90mt	-55	125	K06103b	M157c	Hex Inverter;FO 15 max;tpd 20ns max.
81	TG371F	6		MON	1.7	1.2	0 0	5.0	90mt	-55	125	K06103b	TO86	Hex Inverter;FO 15 max;tpd 20ns max.
82	TG371J	6		MON	1 7	1 2	0 0	5 0	90mt	-55	125	K06103b	M157c	Hex Inverter;FO 15 max;tpd 20ns max.
83	TG372F	6		MON	1.7	1.2	0 0	5.0	90mt	-55	125	K06103b	TO86	Hex Inverter;FO 15 max,tpd 20ns max.
84	TG372J	6		MON	1.7	1.2	0 0	5.0	90mt	-55	125	K06103b	M157c	Hex Inverter;FO 15 max,tpd 20ns max.
85	TG373F	6		MON	1.7	1.2	0.0	5.0	90mt	-55	125	K06103b	TO86	Hex Inverter,FO 15 max;tpd 20ns max
86	TG373J	6		MON	1.7	1.2	0.0	5.0	90mt	-55	125	K06103b	M157c	Hex Inverter;FO 15 max;tpd 20ns max.
87	9016DC	6		MOS	1.8%	.85*	0.0	5.0	66mt	0	75	G04345d	M157	6 Ckts;TTL Hex Inverter.
88	9016FC	6		MOS	1.8%	.85*	0.0	5.0	66mt	0	75	G04345d	FP28b	6 Ckts;TTL Hex Inverter.
89	9017DC	6			1 8%	.85*	0.0	5 0	78m%	0	75	K06107a	TO116	Hex,tpd 15ns max.
90▼	SN29016J	6		MON	1 8%	.85*	0.0	5.0	27m%	0	75	K06112	M157b	Hex;tpd 15ns max.
91▼	SN29016N	6		MON	1.8%	.85*	0 0	5.0	27m%	0	75	K06112	M126e	Hex;tpd 15ns max.
92#	T116B1-14	6		MON	1.8%	.85*	0.0	5 0	66mt	0	75	G03250d	M105e	6 ckts; TTL hex inverter.
93#	T116D1-14	6		MON	1.8%	.85*	0.0	5 0	66mt	0	75	G03250d	M105e	6 ckts; TTL hex inverter.
94#	T116F1	6		MON	1.8%	.85*	0.0	5 0	66mt	0	75	G03250d	FP28c	6 ckts; TTL hex inverter
95	TG380F	6		MON	1.8	1.1	0.0	5 0	132mt	-55	125	K06106	TO86	Hex Inverter;FO 11 max;tpd 10ns max
96	TG380J	6		MON	1.8	1 1	0.0	5.0	132mt	-55	125	K06106	M157c	Hex Inverter;FO 11 max;tpd 10ns max.
97	TG381F	6		MON	1.8	1.1	0.0	5.0	132mt	-55	125	K06106	TO86	Hex Inverter;FO 11 max,tpd 10ns max.
98	TG381J	6		MON	1.8	1.1	0.0	5.0	132mt	-55	125	K06106	M157c	Hex Inverter;FO 11 max;tpd 10ns max.
99	TG382F	6		MON	1.8	1.1	0.0	5.0	132mt	-55	125	K06106	TO86	Hex Inverter;FO 11 max;tpd 10ns max.
100	TG382J	6		MON	1.8	1 1	0.0	5.0	132mt	-55	125	K06106	M157c	Hex Inverter;FO 11 max;tpd 10ns max.
101	TG383F	6		MON	1.8	1 1	0.0	5.0	132mt	-55	125	K06106	TO86	Hex Inverter,FO 11 max,tpd 10ns max.
102	TG383J	6		MON	1.8	1.1	0.0	5.0	132mt	-55	125	K06106	M157c	Hex Inverter;FO 11 max;tpd 10ns max.
103	SW736-1P	6		MON	1.8%	1 2*	0.0	5 0	42mt	-55	125	K0681f	TO116	DTL,Hex Inverter;tpd 30ns,F.O. 8.
104	SW736-2M	6		MON	1 8%	1 2*	0.0	5 0	42mt	0	75	K0681f	M105n	DTL;Hex Inverter;tpd 30ns,F O 8.
105	SW736-2P	6		MON	1 8%	1 2*	0.0	5.0	42mt	0	75	K0681f	TO116	DTL;Hex Inverter;tpd 30ns,F O. 8.
106	SW737-1P	6		MON	1.8%	1.2*	0 0	5.0	42mt	-55	125	K0681f	TO116	DTL,Hex Inverter;tpd 30ns;F.O. 8
107	SW737-2M	6		MON	1 8%	1 2*	0.0	5.0	42mt	0	75	K0681f	M105n	DTL,Hex Inverter;tpd 30ns;F.O. 8.
108	SW737-2P	6		MON	1.8%	1.2*	0 0	5.0	42mt	0	75	K0681f	TO116	DTL;Hex Inverter,tpd 30ns,F.O. 8
109	SW935-1P	6		MON	1.8%	1.2*	0.0	5.0	48mt	-55	125	K0681d	TO116	Expandable Hex Inverter;DTL;tpd 30ns;F O 8
110	SW935-2M	6		MON	1.8%	1 2*	0.0	5 0	48mt	0	75	K0681d	M105n	Expandable Hex Inverter;DTL;tpd 30ns;F O 8

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPER-ATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	SW935-2P	6		MON	1.8%	1.2*	0.0	5.0	48mt	0	75	K0681d	TO116	Expandable Hex Inverter;DTL;tpd 30ns;F O 8
2	SW936-1P	6		MON	1.8%	1.2*	0.0	5.0	48mt	-55	125	K0677a	TO116	Hex Inverter;DTL;F. O. 8;tps 30ns.
3	SW936-2M	6		MON	1.8%	1.2*	0.0	5.0	48mt	0	75	K0677a	M105n	Hex Inverter;DTL;F. O. 8;tps 30ns.
4	SW936-2P	6		MON	1.8%	1.2*	0.0	5.0	48mt	0	75	K0677a	TO116	Hex Inverter;DTL;F. O. 8;tps 30ns.
5	SW937-1P	6		MON	1.8%	1.2*	0 0	5.0	72mt	-55	125	K0677a	TO116	Hex Inverter;DTL;F. O. 7;tps 20ns.
6	SW937-2M	6		MON	1.8%	1.2*	0.0	5.0	72mt	0	75	K0677a	M105n	Hex Inverter;DTL;F. O. 7;tps 20ns.
7	SW937-2P	6		MON	1.8%	1.2*	0.0	5.0	72mt	0	75	K0677a	TO116	Hex Inverter;DTL;F. O. 7;tps 20ns.
8#	9935-9-7A	6		MON	1.9%	1 1*	0 0	5.0	51mt	0	75	K0677c	M105e	Extendable; 6Ckts; Fanout 10.
9#	9936-9-7A	6		MON	1.9%	1.1*	0.0	5.0	51mt	0	75	K0677a	M105e	6 Ckts; Fanout 10.
10	9937DM	6		MON	1.9%	1.1*	0 0	5.0	51mt	-55	125	K0677a	M157	Hex Inverter;6 Ckts;DTL.
11	9937FM	6		MON	1.9%	1.1*	0.0	5 0	51mt	-55	125	K0677a	FP28c	Hex Inverter;6 Ckts;DTL.
12#	M5935P	6		MON	1.9%	1.1*	0.0	8.0	8.5m	0	75	K0677c	M105j	DTL;tpd-25nS;Fanout-8.
13#	M5936P	6		MON	1.9%	1.1*	0 0	8 0	8.5m	0	75	K0677a	M105j	DTL;tpd-25nS;Fanout-8.
14#	M5937P	6		MON	1 9%	1.1*	0.0	8.0	12m	0	75	K0677a	M105j	DTL;tpd-20nS;Fanout-7.
15▼	JANM38510/03002BAA	6		MON	1.9%	1.1*	0.0	5 5	138m	-55	125	K06147	FP52d	Hex Inverter;Fan Out 8 max;tpd 112ns max.
16▼	JANM38510/03002BAB	6		MON	1 9%	1.1*	0.0	5 5	138m	-55	125	K06147	FP52d	Hex Inverter;Fan Out 8 max;tpd 112ns max.
17▼	JANM38510/03002BCA	6		MON	1.9%	1.1*	0.0	5.5	138m	-55	125	K06147	M314	Hex Inverter;Fan Out 8 max;tpd 112ns max.
18▼	JANM38510/03002BCB	6		MON	1 9%	1.1*	0.0	5.5	138m	-55	125	K06147	M314	Hex Inverter;Fan Out 8 max;tpd 112ns max.
19▼	JANM38510/03002CAA	6		MON	1 9%	1.1*	0.0	5.5	138m	-55	125	K06147	FP52d	Hex Inverter;Fan Out 8 max;tpd 112ns max.
20▼	JANM38510/03002CAB	6		MON	1 9%	1.1*	0.0	5.5	138m	-55	125	K06147	M314	Hex Inverter;Fan Out 8 max;tpd 112ns max.
21▼	JANM38510/03002CCA	6		MON	1.9%	1.1*	0.0	5.5	138m	-55	125	K06147	FP52d	Hex Inverter;Fan Out 8 max;tpd 112ns max.
22▼	JANM38510/03002CCB	6		MON	1 9%	1.1*	0.0	5.5	138m	-55	125	K06147	M314	Hex Inverter;Fan Out 8 max;tpd 112ns max.
23▼	JANM38510/03003BAA	6		MON	1.9%	1.1*	0.0	5.5	138m	-55	125	K06147a	FP52d	Hex Inverter;Fan Out 8 max;tpd 112ns max.
24▼	JANM38510/03003BAB	6		MON	1 9%	1.1*	0.0	5 5	138m	-55	125	K06147a	FP52d	Hex Inverter;Fan Out 8 max;tpd 112ns max.
25▼	JANM38510/03003BCA	6		MON	1.9%	1.1*	0.0	5.5	138m	-55	125	K06147a	M314	Hex Inverter;Fan Out 8 max;tpd 112ns max.
26▼	JANM38510/03003BCB	6		MON	1.9%	1.1*	0 0	5.5	138m	-55	125	K06147a	M314	Hex Inverter;Fan Out 8 max;tpd 112ns max.
27▼	JANM38510/03003CAA	6		MON	1.9%	1 1*	0.0	5.5	138m	-55	125	K06147a	FP52d	Hex Inverter;Fan Out 8 max;tpd 112ns max.
28▼	JANM38510/03003CAB	6		MON	1.9%	1.1*	0.0	5.5	138m	-55	125	K06147a	FP52d	Hex Inverter;Fan Out 8 max;tpd 112ns max.
29▼	JANM38510/03003CCA	6		MON	1 9%	1.1*	0 0	5.5	138m	-55	125	K06147a	M314	Hex Inverter;Fan Out 8 max;tpd 112ns max.
30▼	JANM38510/03003CCB	6		MON	1 9%	1.1*	0.0	5.5	138m	-55	125	K06147a	M314	Hex Inverter;Fan Out 8 max;tpd 112ns max.
31	SN15836F,R	6		MON	1 9%	1.1*	0	8	24m	0	75	K0679a	TO84	6 Ckts;Fan Out-8;DTL.
32	SN15836J	6		MON	1.9%	1.1*	0	8	24m	0	75	K0679a	TO116	6 Ckts;Fan Out-8;DTL.
33	SN15836N	6		MON	1.9%	1.1*	0	8	24m	0	75	K0679a	M126	6 Ckts;Fan Out-8;DTL.
34	SN15837F,R	6		MON	1.9%	1.1*	0	8	24m	0	75	K0679a	TO84	6 Ckts;Fan Out-7;DTL.
35	SN15837J	6		MON	1.9%	1.1*	0	8	24m	0	75	K0679a	TO116	6 Ckts;Fan Out-7;DTL.
36	SN15837N	6		MON	1 9%	1 1*	0	8	24m	0	75	K0679a	M126	6 Ckts;Fan Out-7;DTL
37	SN15838N	6		MON	1.9%	1.1*	0.0	5 0		0	70		M126a	Hex Inverter W/O Output Resistors.
38	SN15936F,R	6		MON	1.9%	1.1*	0	8	19.m	-55	125	K0679a	TO84	6 Ckts;Fan Out-8;DTL.
39	SN15936J	6		MON	1.9%	1.1*	0	8	19 m	-55	125	K0679a	TO116	6 Ckts;Fan Out-8;DTL.
40	SN15936N	6		MON	1.9%	1.1*	0	8	19.m	-55	125	K0679a	M126	6 Ckts;Fan Out-8;DTL.
41	SN15937F,R	6		MON	1 9%	1.1*	0	8	19.m	-55	125	K0679a	TO84	6 Ckts;Fan Out-7;DTL.
42	SN15937J	6		MON	1 9%	1.1*	0	8	19.m	-55	125	K0679a	TO116	6 Ckts;Fan Out-7;DTL.
43	SN15937N	6		MON	1 9%	1.1*	0	8	19 m	-55	125	K0679a	M126	6 Ckts;Fan Out-7;DTL.
44	SN15938N	6		MON	1.9%	1.1*	0.0	5.0		-55	125		M126a	Hex Inverter W/O Output Resistors.
45▼	501Δ	6	5.0M	PCB	2.0%	.45*	0.0	7.0	260mt	0	70		CB62	DTL;Average tpd 35ns;FO8.
46▼	501AΔ	6	5.0M	PCB	2.0%	.45*	0.0	7.0	440mt	0	70		CB62	DTL Power Driver;Average tpd 35ns;FO25.
47▼	501B	6	5 0M	PCB	2 0%	45*	0.0	7.0	400mt	0	70		CB62	DTL Power Driver;Average tpd 30ns;FO27.
48▼	501T	6	20M	PCB	2.0%	.45*	0.0	7.0	540mt	0	70		CB62	TTL;Average tpd 13ns;FO10.
49▼	501HT	6	40M	PCB	2.0%	.45*	0 0	7 0	760mt	0	70		CB62	TTL High Speed;Average tpd 6.0ns,FO10.
50▼	JANM38510/02005BAA	6		MON	2.0%	.70*	0 0	5 5	24m	-55	125	G0440d	FP52d	Hex Inverter;Fan Out 10;tpd 99ns max.
51▼	JANM38510/02005BAC	6		MON	2.0%	.70*	0.0	5 5	24m	-55	125	G0440d	FP52d	Hex Inverter;Fan Out 10;tpd 99ns max.
52	JANM38510/02005BCB	6		MON	2 0%	.70*	0 0	5 5	24m	-55	125	G04440d	M314	Hex Inverter,Fan Out 10;tpd 99ns max.
53▼	JANM38510/02005CAA	6		MON	2 0%	70*	0.0	5.5	24m	-55	125	G0440d	FP52d	Hex Inverter;Fan Out 10;tpd 99ns max.
54▼	JANM38510/02005CAC	6		MON	2 0%	70*	0.0	5.5	24m	-55	125	G0440d	FP52d	Hex Inverter;Fan Out 10;tpd 99ns max.
55	JANM38510/02005CCB	6		MON	2 0%	.70*	0 0	5.5	24m	-55	125	G04440d	M314	Hex Inverter;Fan Out 10;tpd 99ns max.
56▼#	MIC74L04J	6		MON	2.0	.70	0.0	5.0		0	70	K06107b	TO116	6 x Inverter;tpd 60ns max.
57#	SFC404LE	6		MON	2 0%	70*	0.0	5.0		0	70		TO116	Hex Inverter;tpd 60ns max.
58#	SFC404LEM	6		MON	2.0%	.70*	0.0	5.0		-55	125		TO116	Hex Inverter;tpd 60ns max.
59♦	SN54H04W	6		MON	2.0%	70*	0 0	5.0		-55	125	K06112	Δ004AA	Hex inverter;tpd 22ns max.
60♦	SN54H05J	6		MON	2 0%	70*	0.0	5.0		-55	125	G04387e	M157b	Hex inverter; tpd 60ns max.
61	SN54H05N	6		MON	2.0%	.70*	0.0	5.0		-55	125	G04387e	M126	Hex inverter; tpd 60ns max
62♦	SN54H05W	6		MON	2.0%	.70*	0.0	5.0		-55	125	G04387e	Δ004AA	Hex inverter;tpd 60ns max.
63♦	SN54L04J	6		MON	2 0%	70*	0.0	5.0		-55	125	K06107b	M157b	Hex inverter; tpd 60ns max.
64♦	SN54L04N	6		MON	2 0%	70*	0.0	5 0		-55	125	K06107b	M126e	Hex inverter; tpd 60ns max.
65♦	SN54L04T	6		MON	2 0%	.70*	0.0	5.0		-55	125	K06107b	FP52e	Hex inverter; tpd 60ns max.
66♦	SN74L04J	6		MON	2 0%	70*	0.0	5.0		0	70	K06107b	M157b	Hex inverter; tpd 60ns max.
67♦	SN74L04N	6		MON	2.0%	.70*	0.0	5.0		0	70	K06107b	M126e	Hex inverter; tpd 60ns max.
68♦	SN74L04T	6		MON	2 0%	.70*	0.0	5 0		0	70	K06107b	FP52e	Hex inverter; tpd 60ns max.
69#	TL4934N	6		MON	2 0%	.70*	0 0	5 0	133mt	0	70	K06138	M126n	Tpd 40ns max;Fan Out 10 max.
70#	TL4935N	6		MON	2.0%	.70*	0 0	5 0	133mt	0	70	K06139	M126n	Tpd 40ns max;Fan Out 10 max.
71	DM8812N	6		MON	2 0%	.80*	0.0	5.0	25m%	0	70	G04387d	M126d	TTL-MOS hex inverter;tpD 12ns.
72#	FJH241	6		MON	2 0%	80*	0.0	5.0	60mt	0	70	K06107b	TO116	Fan Out 10 max;tpd 22ns max.
73#	FJH241-7404	6		MON	2 0%	.80*	0.0	5.0	60mt	0	70	K06107b	M126f	Fanout 10;tpd 10ns typ.
74#	FJH251	6		MON	2.0%	.80*	0.0	5.0	60mt	0	70	K06107a	TO116	Fan Out 10 max;tpd 55ns max.
75#	FJH251-7405	6		MON	2.0%	.80*	0 0	5 0	60mt	0	70	K06107a	M126f	Fanout 10;tpd 24ns typ.
76#	FJH321	6		MON	2 0%	.80*	0.0	5.0	60mt	0	70	K06107a	TO116	Fan Out 10 max;tpd 55ns max.
77#	FJH321-7405	6		MON	2.0%	80*	0.0	5.0	10mt	0	70	K06107a	M126f	Sextuple single input;Fanout 10.
78#	FJH321-7405S1	6		MON	2.0%	.80*	0.0	5.0	10mt	0	70	K06107a	M126f	Sextuple single input;Fanout 10.
79#	FLH211-7404	6		MON	2.0%	.80*	0.0	5.0	112mt	0	7	K06107b	M126p	Hex,6 Ckts;Fanout 10;Vo .40V/250uA.
80#	FLH215-8404	6		MON	2.0%	.80*	0.0	5.0	112mt	-25	85	K06107b	M126p	Hex;6 Ckts;Fanout 10;Vo .40V/250uA.
81#	FLH271-7405	6		MON	2.0%	80*	0.0	5 0	165m§	0	70	K06107b	M126p	Hex;6 Ckts;Fanout 10;Vo .40V/250uA.
82#	FLH271S7405S1	6		MON	2.0%	.80*	0.0	5.0	165m§	0	70	K06107b	M126p	Hex;6 Ckts,Fanout 10;Vo 15V/250uA.
83#	FLH271T7405S3	6		MON	2 0%	80*	0.0	5.0	165m§	0	70	K06107b	M126p	Hex,6 Ckts;Fanout 10;Vo 5.5V/50uA.
84#	FLH275-8405	6		MON	2 0%	80*	0 0	5.0	165m§	-25	85	K06107b	M126p	Hex;6 Ckts,Fanout 10;Vo .40V/250uA.
85#	FLH275S8405S1	6		MON	2 0%	.80*	0.0	5.0	165m§	-25	85	K06107b	M126p	Hex;6 Ckts;Fanout 10;Vo 15V/250uA.
86#	FLH275T8405S3	6		MON	2 0%	.80*	0 0	5.0	165m§	-25	85	K06107b	M126p	Hex;6 Ckts,Fanout 10;Vo 5.5V/50uA.
87#	FLH461-4934	6		MON	2 0%	.80*	0.0	5.0	127mt	0	70	K06138	M126p	Hex Inv. with expand.base input;Open Coll.
88#	FLH465-49834	6		MON	2 0%	.80*	0 0	5.0	127mt	-25	85	K06138	M126p	Hex Inv. with expand.base input;Open Coll.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1#	FLH471-4935	6		MON	2.0%	.80*	0.0	5.0	127mt	0	70	K06139	M126p	Hex Inv. with expand base input.
2#	FLH475-49835	6		MON	2.0%	.80*	0 0	5.0	127mt	-25	85	K06139	M126p	Hex Inverter with expandable base input
3#	FLH481-7406	6		MON	2.0%	.80*	0.0	5.0	200mt	0	70	K06115	M126p	TTL Hex Inv.Buffer/Driver;tpd 14ns;Vo 30V.
4#	FLH481T7416	6		MON	2.0%	.80*	0.0	5.0	200mt	0	70	K06115	M126p	TTL Hex Inv.Buffer/Driver;tpd 14ns;Vo 15V.
5#	FLH485-8406	6		MON	2.0%	80*	0.0	5.0	200mt	-25	85	K06115	M126p	TTL Hex Inv.Buffer/Driver;tpd 14ns,Vo 30V.
6#	FLH485T8416	6		MON	2.0%	.80*	0.0	5.0	200mt	-25	85	K06115	M126p	TTL Hex Inv. Buffer/Driver;Vo 15.
7#	FLH491-7407	6		MON	2 0%	.80*	0.0	5.0	177mt	0	70	K06115a	M126p	TTL Hex Buffer/Driver;tpd 14ns;Vo 30V
8#	FLH491T7417	6		MON	2.0%	.80*	0.0	5.0	177mt	0	70	K06115a	M126p	TTL Hex Buffer/Driver;tpd 14ns;Vo 15V.
9#	FLH495-8407	6		MON	2.0%	.80*	0.0	5.0	177mt	-25	85	K06115a	M126p	TTL Hex Buffer/Driver,tpd 14ns;Vo 30V.
10#	FLH495T8417	6		MON	2.0%	.80*	0.0	5.0	177mt	-25	85	K06115a	M126p	TTL Hex Buffer/Driver;tpd 14ns;Vo 15V.
11#	GJH241	6			2.0%	.80	0.0	5.0	138mt	0	70	G03250d	M126n	Tpd 13ns max;Fan Out 10.
12#	GJH251	6			2.0%	.80*	0.0	5.0	132mt	0	70	K06107a	M126n	Tpd 16ns;Noise Rej. 400mV min.
13	ITT5404J	6			2.0%	.80*	0.0	5.0	60mt	-55	125	G04387f	M157	6ckts;F 0.10;TTL
14	ITT5405J	6			2.0%	.80*	0.0	5.0	60mt	-55	125	G04387e	M157	6ckts;F 0.10;TTL.
15	ITT7404J	6			2.0%	.80*	0.0	5.0	60mt	0	70	G04387f	M157	6ckts;F.0,10;TTL.
16	ITT7405J	6			2.0%	80*	0 0	5 0	60mt	0	70	K06107a	M157	6ckts,F 0 10;TTL
17	JANM38510/00105BAA	6		MON	2.0%	.80*	0.0	5.5	240m	-55	125	G04430d	FP52d	Hex Inverters;Fan Out 10;tpd 25ns max.
18	JANM38510/00105BAB	6		MON	2.0%	.80*	0.0	5.5	240m	-55	125	G04430d	FP52d	Hex Inverters;Fan Out 10;tpd 25ns max.
19	JANM38510/00105BAC	6		MON	2.0%	.80*	0.0	5.5	240m	-55	125	G04430d	FP52d	Hex Inverters,Fan Out 10;tpd 25ns max.
20	JANM38510/00105BCA	6		MON	2.0%	.80*	0.0	5.5	240m	-55	125	G04430j	M314	Hex Inverters;Fan Out 10,tpd 25ns max.
21	JANM38510/00105BCB	6		MON	2.0%	.80*	0 0	5.5	240m	-55	125	G04430j	M314	Hex Inverters;Fan Out 10;tpd 25ns max.
22	JANM38510/00105BCC	6		MON	2.0%	80*	0.0	5.5	240m	-55	125	G04430j	M314	Hex Inverters;Fan Out 10,tpd 25ns max.
23	JANM38510/00105BDB	6		MON	2.0%	.80*	0.0	5.5	240m	-55	125	G04430d	FP83	Hex Inverters;Fan Out 10;tpd 25ns max.
24	JANM38510/00105BDC	6		MON	2.0%	.80*	0.0	5.5	240m	-55	125	G04430d	FP83	Hex Inverters;Fan Out 10;tpd 25ns max.
25	JANM38510/00105CAA	6		MON	2.0%	.80*	0 0	5.5	240m	-55	125	G04430d	FP52d	Hex Inverters;Fan Out 10;tpd 25ns max.
26	JANM38510/00105CAB	6		MON	2.0%	.80*	0.0	5.5	240m	-55	125	G04430d	FP52d	Hex Inverters;Fan Out 10;tpd 25ns max.
27	JANM38510/00105CAC	6		MON	2.0%	80*	0.0	5.5	240m	-55	125	G04430d	FP52d	Hex Inverters;Fan Out 10;tpd 25ns max.
28	JANM38510/00105CCB	6		MON	2 0%	.80*	0.0	5.5	240m	-55	125	G04430j	M314	Hex Inverters,Fan Out 10;tpd 25ns max.
29	JANM38510/00105CCC	6		MON	2.0%	.80*	0.0	5.5	240m	-55	125	G04430j	M314	Hex Inverters;Fan Out 10;tpd 25ns max.
30	JANM38510/00105CDB	6		MON	2.0%	.80*	0.0	5.5	240m	-55	125	G04430d	FP83	Hex Inverters;Fan Out 10;tpd 25ns max.
31	JANM38510/00105CDC	6		MON	2.0%	.80*	0.0	5.5	240m	-55	125	G04430d	FP83	Hex Inverters;Fan Out 10;tpd 25ns max.
32	JANM38510/00108BAA	6		MON	2.0%	.80*	0.0	5.5	240m	-55	125	G04431a	FP52d	Hex Inverters;Fan Out 10;tpd 28ns max.
33	JANM38510/00108BAB	6		MON	2.0%	.80*	0.0	5.5	240m	-55	125	G04431a	FP52d	Hex Inverters;Fan Out 10;tpd 28ns max.
34	JANM38510/00108BAC	6		MON	2.0%	.80*	0 0	5.5	240m	-55	125	G04431a	FP52d	Hex Inverters;Fan Out 10;tpd 28ns max.
35	JANM38510/00108BCB	6		MON	2.0%	.80*	0.0	5.5	240m	-55	125	G04431d	M314	Hex Inverters;Fan Out 10;tpd 28ns max.
36	JANM38510/00108BCC	6		MON	2.0%	.80*	0.0	5 5	240m	-55	125	G04431d	M314	Hex Inverters;Fan Out 10,tpd 28ns max.
37	JANM38510/00108BDB	6		MON	2.0%	80*	0 0	5.5	240m	-55	125	G04431a	FP83	Hex Inverters;Fan Out 10;tpd 28ns max.
38	JANM38510/00108BDC	6		MON	2.0%	.80*	0.0	5.5	240m	-55	125	G04431a	FP83	Hex Inverters,Fan Out 10;tpd 28ns max.
39	JANM38510/00108CAA	6		MON	2.0%	.80*	0.0	5.5	240m	-55	125	G04431a	FP52d	Hex Inverters;Fan Out 10;tpd 28ns max
40	JANM38510/00108CAB	6		MON	2.0%	.80*	0 0	5.5	240m	-55	125	G04331a	FP52d	Hex Inverters;Fan Out 10,tpd 28ns max.
41	JANM38510/00108CAC	6		MON	2.0%	.80*	0.0	5.5	240m	-55	125	G04431a	FP52d	Hex Inverters;Fan Out 10;tpd 28ns max.
42	JANM38510/00108CCB	6		MON	2.0%	.80*	0.0	5.5	240m	-55	125	G04431d	M314	Hex Inverters;Fan Out 10;tpd 28ns max.
43	JANM38510/00108CCC	6		MON	2.0%	.80*	0.0	5 5	240m	-55	125	G04431d	M314	Hex Inverters;Fan Out 10;tpd 28ns max.
44	JANM38510/00108CDB	6		MON	2.0%	.80*	0.0	5.5	240m	-55	125	G04431a	FP83	Hex Inverters;Fan Out 10;tpd 28ns max.
45	JANM38510/00108CDC	6		MON	2.0%	.80*	0.0	5.5	240m	-55	125	G04431a	FP83	Hex Inverters;Fan Out 10;tpd 28ns max.
46	JANM38510/00801BAA	6		MON	2.0%	.80*	0 0	5.5	324m	-55	125	K06135	FP52d	Hex inv.buffer/driver;Vo 30V;tpd 30ns max.
47	JANM38510/00801BAB	6		MON	2 0%	.80*	0.0	5.5	324m	-55	125	K06135	FP52d	Hex inv.buffer/driver;Vo 30V;tpd 30ns max.
48	JANM38510/00801BAC	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06135	FP52d	Hex inv.buffer/driver,Vo 30V;tpd 20ns max.
49	JANM38510/00801BCA	6		MON	2.0%	.80*	0.0	5 5	324m	-55	125	K06135	M314	Hex inv.buffer/driver,Vo 30V,tpd 30ns max.
50	JANM38510/00801BCB	6		MON	2 0%	.80*	0.0	5.5	324m	-55	125	K06135	M314	Hex inv.buffer/driver;Vo 30V;tpd 30ns max.
51	JANM38510/00801BCC	6		MON	2.0%	80*	0.0	5.5	324m	-55	125	K06135	M314	Hex inv.buffer/driver;Vo 30V;tpd 30ns max.
52	JANM38510/00801BDB	6		MON	2.0%	.80*	0.0	5 5	324m	-55	125	K06135	FP83	Hex inv.buffer/driver;Vo 30V;tpd 30ns max.
53	JANM38510/00801CAA	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06135	FP52d	Hex inv.buffer/driver;Vo 30V;tpd 30ns max.
54	JANM38510/00801CAB	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06135	FP52d	Hex inv.buffer/driver;Vo 30V;tpd 30ns max.
55	JANM38510/00801CAC	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06135	FP52d	Hex inv.buffer/driver;Vo 30V,tpd 20ns max.
56	JANM38510/00801CCA	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06135	M314	Hex inv.buffer/driver;Vo 30V;tpd 30ns max.
57	JANM38510/00801CCB	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06135	M314	Hex inv.buffer/driver;Vo 30V;tpd 30ns max.
58	JANM38510/00801CCC	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06135	M314	Hex inv.buffer/driver;Vo 30V;tpd 30ns max.
59	JANM38510/00801CDB	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06135	FP83	Hex inv.buffer/driver;Vo 30V;tpd 30ns max.
60	JANM38510/00802BAA	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06135	FP52d	Hex inv.buffer/driver;Vo 15V;tpd 30ns max.
61	JANM38510/00802BAB	6		MON	2.0%	.80*	0.0	5.0	324m	-55	125	K06135	FP52d	Hex inv.buffer/driver;Vo 15V;tpd 30ns max.
62	JANM38510/00802BAC	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06135	FP52d	Hex inv.buffer/driver;Vo 30V;tpd 20ns max.
63	JANM38510/00802BCA	6		MON	2.0%	.80*	0.0	5.0	324m	-55	125	K06135	M314	Hex inv.buffer/driver;Vo 15V;tpd 30ns max.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	[5] TYPE No.	[1] USE	[4] MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL [2] '1' (V)	LOGIC LEVEL [3] '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	JANM38510/00802BCB	6		MON	2.0%	.80*	0 0	5 0	324m	-55	125	K06135	M314	Hex inv.buffer/driver;Vo 15V;tpd 30ns max.
2	JANM38510/00802BCC													
3	JANM38510/00802BDB	6		MON	2 0%	.80*	0.0	5.0	324m	-55	125	K06135	M314	Hex inv.buffer/driver;Vo 15V;tpd 30ns max.
		6		MON	2.0%	.80*	0.0	5.0	324m	-55	125	K06135	FP83	Hex inv buffer/driver;Vo 15V;tpd 30ns max.
4	JANM38510/00802CAA	6		MON	2 0%	.80*	0.0	5.5	324m	-55	125	K06135	FP52d	Hex inv.buffer/driver;Vo 15V,tpd 30ns max.
5	JANM38510/00802CAB													
6	JANM38510/00802CAC	6		MON	2.0%	80*	0.0	5.5	324m	-55	125	K06135	FP52d	Hex inv.buffer/driver;Vo 15V;tpd 30ns max.
		6		MON	2.0%	80*	0.0	5.5	324m	-55	125	K06135	FP52d	Hex inv.buffer/driver;Vo 30V;tpd 20ns max.
7	JANM38510/00802CCA	6		MON	2 0%	.80*	0.0	5 5	324m	-55	125	K06135	M314	Hex inv.buffer/driver;Vo 15V;tpd 30ns max.
8	JANM38510/00802CCB													
9	JANM38510/00802CCC	6		MON	2.0%	80*	0.0	5.5	324m	-55	125	K06135	M314	Hex inv.buffer/driver;Vo 15V;tpd 30ns max.
		6		MON	2 0%	80*	0 0	5 5	324m	-55	125	K06135	M314	Hex inv.buffer/driver,Vo 15V;tpd 30ns max.
10	JANM38510/00802CDB	6		MON	2 0%	.80*	0.0	5.5	324m	-55	125	K06135	FP83	Hex inv.buffer/driver;Vo 15V,tpd 30ns max.
11	JANM38510/00802CDC													
12	JANM38510/00803BAA	6		MON	2.0%	80*	0.0	5 5	324m	-55	125	K06135	FP83	Hex inv.buffer/driver;Vo 15V;tpd 30ns max
		6		MON	2 0%	.80*	0.0	5.5	324m	-55	125	K06136	FP52d	Hex buffer/driver;Vo 30V,tpd 35ns max.
13	JANM38510/00803BAB	6		MON	2.0%	80*	0.0	5 5	324m	-55	125	K06136	FP52d	Hex buffer/driver;Vo 30V;tpd 35ns max.
14	JANM38510/00803BAC													
15	JANM38510/00803BCA	6		MON	2.0%	80*	0.0	5.5	324m	-55	125	K06135	FP52d	Hex inv.buffer/driver;Vo 30V;tpd 20ns max.
		6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06136	M314	Hex buffer/driver;Vo 30V;tpd 35ns max.
16	JANM38510/00803BCB	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06136	M314	Hex buffer/driver,Vo 30V;tpd 35ns max.
17	JANM38510/00803BCC													
18	JANM38510/00803BDB	6		MON	2 0%	.80*	0.0	5.5	324m	-55	125	K06136	M314	Hex buffer/driver;Vo 30V;tpd 35ns max.
		6		MON	2 0%	.80*	0.0	5.5	324m	-55	125	K06136	FP83	Hex buffer/driver;Vo 30V;tpd 35ns max
19	JANM38510/00803CAA	6		MON	2.0%	80*	0.0	5 5	324m	-55	125	K06136	FP52d	Hex buffer/driver;Vo 30V;tpd 35ns max.
20	JANM38510/00803CAB													
21	JANM38510/00803CAC	6		MON	2 0%	.80*	0 0	5.5	324m	-55	125	K06136	FP52d	Hex buffer/driver;Vo 30V;tpd 35ns max
		6		MON	2.0%	.80*	0.0	5 5	324m	-55	125	K06136	FP52d	Hex inv.buffer/driver;Vo 30V;tpd 20ns max.
22	JANM38510/00803CCA	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06136	M314	Hex buffer/driver;Vo 30V;tpd 35ns max.
23	JANM38510/00803CCB													
24	JANM38510/00803CCC	6		MON	2 0%	.80*	0.0	5.5	324m	-55	125	K06136	M314	Hex buffer/driver;Vo 30V;tpd 35ns max.
		6		MON	2.0%	80*	0.0	5.5	324m	-55	125	K06136	M314	Hex buffer/driver;Vo 30V;tpd 35ns max.
25	JANM38510/00803CDB	6		MON	2.0%	80*	0.0	5 5	324m	-55	125	K06136	FP83	Hex buffer/driver;Vo 30V;tpd 35ns max.
26	JANM38510/00804BAA													
27	JANM38510/00804BAB	6		MON	2 0%	.80*	0.0	5.5	324m	-55	125	K06136	FP52d	Hex buffer/driver;Vo 15V;tpd 35ns max.
		6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06136	FP52d	Hex buffer/driver;Vo 15V;tpd 35ns max.
28	JANM38510/00804BAC	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06136	FP52d	Hex inv.buffer/driver;Vo 30V;tpd 20ns max.
29	JANM38510/00804BCA													
30	JANM38510/00804BCB	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06136	M314	Hex buffer/driver;Vo 15V;tpd 35ns max.
		6		MON	2.0%	80*	0.0	5 5	324m	-55	125	K06136	M314	Hex buffer/driver;Vo 15V;tpd 35ns max.
31	JANM38510/00804BCC	6		MON	2.0%	80*	0 0	5.5	324m	-55	125	K06136	M314	Hex buffer/driver;Vo 15V;tpd 35ns max.
32	JANM38510/00804BDB													
33	JANM38510/00804CAA	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06136	FP83	Hex buffer/driver;Vo 15V;tpd 35ns max.
		6		MON	2.0%	80*	0.0	5 5	324m	-55	125	K06136	FP52d	Hex buffer/driver;Vo 15V;tpd 35ns max.
34	JANM38510/00804CAB	6		MON	2.0%	80*	0.0	5 5	324m	-55	125	K06136	FP52d	Hex buffer/driver;Vo 15V;tpd 35ns max.
35	JANM38510/00804CAC													
36	JANM38510/00804CCA	6		MON	2.0%	.80*	0.0	5 5	324m	-55	125	K06136	FP52d	Hex inv.buffer/driver;Vo 30V,tpd 20ns max.
		6		MON	2.0%	.80*	0.0	5 5	324m	-55	125	K06136	M314	Hex buffer/driver;Vo 15V;tpd 35ns max.
37	JANM38510/00804CCB	6		MON	2.0%	.80*	0 0	5.5	324m	-55	125	K06136	M314	Hex buffer/driver;Vo 15V;tpd 35ns max
38	JANM38510/00804CCC													
39	JANM38510/00804CDB	6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06136	M314	Hex buffer/driver;Vo 15V;tpd 35ns max.
		6		MON	2.0%	.80*	0.0	5.5	324m	-55	125	K06136	FP83	Hex buffer/driver;Vo 15V;tpd 35ns max.
40	JANM38510/02305BAA	6		MON	2.0%	80*	0.0	5 5	1.1	-55	125	K06112a	FP52d	Hex Inverter;Fan Out 10;tpd 16ns max.
41	JANM38510/02305BAB													
42	JANM38510/02305BAC	6		MON	2 0%	.80*	0.0	5.5	1 1	-55	125	K06112a	FP52d	Hex Inverter;Fan Out 10,tpd 16ns max.
		6		MON	2.0%	.80*	0.0	5.5	1.1	-55	125	K06112a	FP52d	Hex Inverter;Fan Out 10;tpd 16ns max.
43	JANM38510/02305BCB	6		MON	2.0%	.80*	0.0	5.5	1 1	-55	125	K06112a	M314	Hex Inverter;Fan Out 10;tpd 16ns max
44	JANM38510/02305BCC													
45	JANM38510/02305BDB	6		MON	2.0%	.80*	0 0	5.5	1.1	-55	125	K06112a	M314	Hex Inverter;Fan Out 10;tpd 16ns max.
		6		MON	2.0%	.80*	0.0	5.5	1.1	-55	125	K06112a	FP83	Hex Inverter;Fan Out 10;tpd 16ns max.
46	JANM38510/02305BDC	6		MON	2.0%	.80*	0.0	5.5	1 1	-55	125	K06112a	FP83	Hex Inverter;Fan Out 10;tpd 16ns max.
47	JANM38510/02305CAA													
48	JANM38510/02305CAB	6		MON	2.0%	.80*	0 0	5.5	1 1	-55	125	K06112a	FP52d	Hex Inverter;Fan Out 10;tpd 16ns max.
		6		MON	2.0%	.80*	0.0	5 5	1.1	-55	125	K06112a	FP52d	Hex Inverter;Fan Out 10;tpd 16ns max.
49	JANM38510/02305CAC	6		MON	2.0%	.80*	0.0	5.5	1 1	-55	125	K06112a	FP52d	Hex Inverter;Fan Out 10;tpd 16ns max.
50	JANM38510/02305CCB													
51	JANM38510/02305CCC	6		MON	2 0%	80*	0.0	5.5	1 1	-55	125	K06112a	M314	Hex Inverter;Fan Out 10;tpd 16ns max.
		6		MON	2.0%	.80*	0.0	5.5	1.1	-55	125	K06112a	M314	Hex Inverter;Fan Out 10;tpd 16ns max.
52	JANM38510/02305CDB	6		MON	2.0%	.80*	0.0	5.5	1.1	-55	125	K06112a	FP83	Hex Inverter;Fan Out 10;tpd 16ns max.
53	JANM38510/02305CDC													
		6		MON	2.0%	.80*	0.0	5.5	1 1	-55	125	K06112a		Hex Inverter;Fan Out 10;tpd 16ns max.
54#	M53204P	6		MON	2.0%	.80*	0.0	7.0	10m	0	75	K06107b	M105j	TTL;tpd-13nS;Fanout-10.
55#	M53205P	6		MON	2.0%	.80*	0.0	7.0	10m	0	75	K06107a	M105j	TTL;tpd-13nS;Fanout-10.
56#	MIC74H04J	6		MON	2 0%	80*	0.0	5.0		0	75	K06107a	M157	Hex; tpd 22ns max.
57#	MIC74H05J	6		MON	2.0%	.80*	0.0	5.0		0	75	G04387e	M157	Hex; tpd 55ns max.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1#	MIC5404J	6		MON	2.0%	.80*	0.0	5.0	60mt	-55	125	G04387f	TO116	Hex Inv;tpd 9.0ns,Fan Out 10
2#	MIC5405AJ	6		MON	2 0%	.80*	0.0	5.0	60mt	-55	125	K017a	TO116	Hex Inv;tpd 24ns;Fan Out 10.
3#	MIC5405J	6		MON	2.0%	.80*	0.0	5.0	60mt	-55	125	G04387e	TO116	Hex Inv;tpd 24ns;Fan Out 10.
4#	MIC6404J	6		MON	2.0%	.80*	0.0	5.0	60mt	-40	85	G04387f	TO116	Hex Inv;tpd 9.0ns;Fan Out 10.
5#	MIC6405AJ	6		MON	2.0%	.80*	0.0	5.0	60mt	-40	85	K017a	TO116	Hex Inv;tpd 24ns;Fan Out 10.
6#	MIC6405J	6		MON	2.0%	.80*	0.0	5.0	60mt	-40	85	G04387e	TO116	Hex Inv;tpd 24ns;Fan Out 10.
7#	MIC7404J	6		MON	2.0%	.80*	0.0	5.0	60mt	0	75	G04387f	TO116	Hex Inv;tpd 9.0ns;Fan Out 10.
8#	MIC7404N	6		MON	2.0%	.80*	0.0	5 0	60mt	0	75	G04387f	M126	Hex Inv;tpd 9.0ns;Fan Out 10.
9#	MIC7405AJ	6		MON	2.0%	.80*	0.0	5.0	60mt	0	75	K017a	TO116	Hex Inv;tpd 24ns;Fan Out 10.
10#	MIC7405AN	6		MON	2.0%	.80*	0.0	5.0	60mt	0	75	K017a	M126	Hex Inv;tpd 24ns;Fan Out 10.
11#	MIC7405J	6		MON	2.0%	.80*	0.0	5.0	60mt	0	75	G04387e	TO116	Hex Inv;tpd 24ns;Fan Out 10.
12#	MIC7405N	6		MON	2.0%	.80*	0.0	5.0	60mt	0	75	G04387e	M126	Hex Inv;tpD 24ns;Fan Out 10.
13	N74H04A	6		TTL	2.0%	.80*	0.0	5.0	312m%	0	70	K06109	M105q	Hex inv;Prop delay 10ns max.
14	N74H04Q	6		TTL	2.0%	.80*	0.0	5.0	312m%	0	70	K06109	TO88	Hex inv;Prop delay 10ns max.
15	N74H05A	6		TTL	2.0%	.80*	0.0	5.0	312m%	0	70	G04387e	M105q	Hex inv;Prop delay 15ns max.
16	N74H05Q	6		TTL	2.0%	.80*	0.0	5.0	312m%	-55	125	G04387e	TO88	Hex inv,Prop delay 15ns max.
17	N7404A	6		MON	2.0%	.80*	0.0	5 0		0	70	K06107a	TO116	Hex;FO 10;tpd 22ns.
18	N7404Q	6		MON	2.0%	.80*	0.0	5.0		0	70	K06107	TO88	Hex;FO 10;tpd 22ns.
19	N7405A	6		MON	2.0%	.80*	0.0	5.0		0	70	K06107f	TO116	Hex,FO 10;tpd 55ns max.
20	N7405Q	6		MON	2 0%	.80*	0.0	5.0		0	70	K06107d	TO88	Hex;FO 10;tpd 55ns max.
21	N7406A	6		MON	2.0%	.80*	0.0	5.0		0	70	K06115	TO116	Hex;tpd 23ns max;TTL
22	N7406Q	6		MON	2.0%	.80*	0.0	5.0		0	70	K06115	TO88	Hex;tpd 23ns max;TTL
23	N7407A	6		MON	2.0%	.80*	0.0	5.0		0	70	K06115a	TO116	Hex;tpd 30ns max;TTL
24	N7407Q	6		MON	2.0%	.80*	0.0	5.0		0	70	K06115a	TO88	Hex;tpd 30ns max;TTL
25	N7416A	6		MON	2 0%	80*	0 0	5 0		0	70	K06115	TO116	Hex;tpd 23ns max;TTL
26	N7416Q	6		MON	2 0%	.80*	0.0	5 0		0	70	K06115	TO88	Hex;tpd 23ns max,TTL
27	N7417A	6		MON	2.0%	.80*	0.0	5.0		0	70	K06115a	TO116	Hex;tpd 30ns max;TTL
28	N7417Q	6		MON	2.0%	.80*	0.0	5.0		0	70	K06115a	TO88	Hex;tpd 30ns max;TTL
29	NC7404N	6		MON	2.0%	.80*	0.0	5.0		0	70	K06107a	M126	Hex Inverter; Tpd 22ns max.
30	NC7405N	6		MON	2.0%	.80*	0.0	5.0	10mΔ	0	70	K06107a	M126	Hex Inverter.
31▼	RSN54H04H	6		MON	2.0%	.80*	0.0	5 0	48m%	-55	125	K06149	FP69b	Hex;tpd 12ns max.
32▼	RSN5404H	6		MON	2.0%	.80*	0.0	5 0	28m%	-55	125	K06149	FP69b	Hex;tpd 18ns max.
33	S54H04A	6			2.0%	.80*	0.0	5.0	330m%	-55	125	K06109	M105q	Hex inv;Prop delay 10ns max.
34	S54H04Q	6		TTL	2.0%	.80*	0.0	5.0	330m%	-55	125	K06109	TO88	Hex inv;Prop delay 10ns max.
35	S54H05A	6		TTL	2.0%	.80*	0.0	5.0	330m%	-55	125	G04387e	M105q	Hex inv;Prop delay 15ns max.
36	S54H05Q	6		TTL	2.0%	.80*	0.0	5.0	330m%	0	70	G04387e	TO88	Hex inv;Prop delay 15ns max.
37	S5404A	6		MON	2.0%	.80*	0.0	5.0		-55	125	K06107a	TO116	Hex;FO 10;tpd 22ns.
38	S5404Q	6		MON	2 0%	.80*	0.0	5.0		-55	125	K06107	TO88	Hex;FO 10;tpd 22ns.
39	S5405A	6		MON	2.0%	.80*	0.0	5.0		-55	125	K06107f	TO116	Hex;FO 10;tpd 55ns max.
40	S5405Q	6		MON	2 0%	.80*	0.0	5.0		-55	125	K06107d	TO88	Hex,FO 10;tpd 55ns max.
41	S5406A	6		MON	2 0%	.80*	0.0	5.0		-55	125	K06115	TO116	Hex;tpd 23ns max;TTL
42	S5406F	6		MON	2.0%	.80*	0.0	5.0		-55	125	K06115	M157	Hex;tpd 23ns max;TTL
43	S5406Q	6		MON	2 0%	.80*	0.0	5 0		-55	125	K06115	TO88	Hex;tpd 23ns max;TTL
44	S5407A	6		MON	2.0%	.80*	0.0	5.0		-55	125	K06115a	TO116	Hex;tpd 30ns max;TTL
45	S5407F	6		MON	2.0%	.80*	0.0	5.0		-55	125	K06115a	M157	Hex;tpd 30ns max;TTL
46	S5407Q	6		MON	2.0%	.80*	0.0	5.0		-55	125	K06115a	TO88	Hex,tpd 30ns max;TTL
47	S5416A	6		MON	2 0%	.80*	0.0	5 0		-55	125	K06115	TO116	Hex;tpd 23ns max;TTL
48	S5416F	6		MON	2.0%	.80*	0.0	5.0		-55	125	K06115	M157	Hex;tpd 23ns max;TTL
49	S5416Q	6		MON	2.0%	.80*	0.0	5.0		-55	125	K06115	TO88	Hex;tpd 23ns max;TTL
50	S5417A	6		MON	2.0%	.80*	0.0	5.0		-55	125	K06115a	TO116	Hex,tpd 30ns max;TTL
51	S5417F	6		MON	2.0%	80*	0.0	5.0		-55	125	K06115a	M157	Hex;tpd 30ns max;TTL
52	S5417Q	6		MON	2 0%	.80*	0.0	5 0		-55	125	K06115a	TO88	Hex;tpd 30ns max;TTL
53#	SFC404E	6		MON	2.0%	.80*	0.0	5.0	60m	0	70	K06107e	TO116	Hex inverter;Tpd 22ns max;FO10.
54#	SFC404EM	6		MON	2.0%	.80*	0.0	5.0	60m	-55	125	K06107e	TO116	Hex inverter;Tpd 22ns max;FO10.
55#	SFC404ET	6		MON	2.0%	.80*	0.0	5.0	60m	-25	85	K06107e	TO116	Hex inverter,Tpd 22ns max;FO10.
56#	SFC404EV	6		MON	2.0%	80*	0.0	5.0	60m	-40	85	K06107e	TO116	Hex inverter;Tpd 22ns max;FO10.
57#	SFC404HE	6		MON	2.0%	.80*	0.0	5.0		0	70	K06112	TO116	Hex Inverter;tpd 22ns max.
58#	SFC404HEM	6		MON	2.0%	.80*	0.0	5.0		-55	125	K06112	TO116	Hex Inverter;tpd 22ns max.
59#	SFC404HPM	6		MON	2.0%	.80*	0.0	5.0		-55	125	K06112	TO85	Hex Inverter;tpd 22ns max
60#	SFC404P	6		MON	2.0%	.80*	0.0	5.0	60m	0	70	K06107	TO85	Hex inverter;Tpd 22ns max;FO10.
61#	SFC404PM	6		MON	2.0%	.80*	0 0	5.0	60m	-55	125	K06107	TO85	Hex inverter;Tpd 22ns max;FO10.
62#	SFC405E	6		MON	2 0%	.80*	0.0	5.0	10mΔ	0	70	K06107a	TO116	Hex inverter; tpd 23ns max.
63#	SFC405EM	6		MON	2.0%	.80*	0.0	5.0	10mΔ	-55	125	K06107a	TO116	Hex inverter, tpd 23ns max.
64#	SFC405ET	6		MON	2.0%	.80*	0.0	5.0	10mΔ	-25	85	K06107a	TO116	Hex inverter; tpd 23ns max.
65#	SFC405EV	6		MON	2.0%	.80*	0.0	5.0	10mΔ	-40	85	K06107a	TO116	Hex inverter; tpd 23ns max.
66#	SFC405P	6		MON	2.0%	.80*	0.0	5.0	10mΔ	0	70	K06107d	TO85	Hex inverter, tpd 23ns max.
67#	SFC405PM	6		MON	2 0%	.80*	0.0	5 0	10mΔ	-55	125	K06107d	TO85	Hex inverter; tpd 23ns max.
68#	SFC406E	6		MON	2.0%	.80*	0.0	5.0	150mt	0	70	K06115	TO116	TTL Hex inverter;buffers/drivers; tpd 15ns
69#	SFC406EM	6		MON	2.0%	.80*	0.0	5.0	150mt	-55	125	K06115	TO116	TTL Hex inverter;buffers/drivers; tpd 15ns
70#	SFC406ET	6		MON	2.0%	.80*	0.0	5.0	150mt	-25	85	K06115	TO116	TTL Hex inverter;buffers/drivers; tpd 15ns
71#	SFC406EV	6		MON	2.0%	80*	0.0	5.0	150mt	-40	85	K06115	TO116	TTL Hex inverters;buffers/drivers,tpd 15ns
72#	SFC406P	6		MON	2.0%	.80*	0.0	5.0	150mt	0	70	K06115	TO85	TTL Hex inverters;buffers/drivers;tpd 15ns
73#	SFC406PM	6		MON	2 0%	.80*	0.0	5.0	150mt	-55	125	K06115	TO85	TTL Hex inverter;buffers/drivers; tpd 15ns
74#	SFC407E	6		MON	2.0%	.80*	0.0	5.0	145mt	0	70	K06115a	TO116	TTL Hex buffers/drivers; tpd 14ns
75#	SFC407EM	6		MON	2.0%	.80*	0.0	5.0	145mt	-55	125	K06115a	TO116	TTL Hex buffers/drivers; tpd 14ns
76#	SFC407ET	6		MON	2.0%	.80*	0.0	5.0	145mt	-25	85	K06115a	TO116	TTL Hex buffers/drivers; tpd 14ns
77#	SFC407EV	6		MON	2.0%	.80*	0.0	5.0	145mt	-40	85	K06115a	TO116	TTL Hex buffers/drivers; tpd 14ns
78#	SFC407P	6		MON	2.0%	80*	0.0	5.0	145mt	0	70	K06115a	TO85	TTL Hex Buffers/Drivers;Tpd 14ns.
79#	SFC407PM	6		MON	2.0%	.80*	0.0	5.0	145mt	-55	125	K06115a	TO85	TTL Hex buffers/drivers; tpd 14ns
80#	SFC416E	6		MON	2.0%	80*	0 0	5.0		0	70	K06115	TO116	TTL Hex Inverter Buffers/drivers;tpd 45ns.
81#	SFC416EM	6		MON	2.0%	.80*	0.0	5.0		-55	125	K06115	TO116	TTL Hex Inverter Buffers/drivers;tpd 45ns.
82#	SFC416ET	6		MON	2.0%	.80*	0.0	5.0		-25	85	K06115	TO116	TTL Hex Inverter Buffers/drivers;tpd 15ns.
83#	SFC416PM	6		MON	2.0%	.80*	0.0	5.0		-55	85	K06115	TO85	TTL Hex Inverter Buffers/drivers;tpd 15ns
84#	SFC417E	6		MON	2.0%	.80*	0.0	5.0		0	70	K06115a	TO116	TTL Hex Buffers/drivers;tpd 14ns.
85#	SFC417EM	6		MON	2 0%	.80*	0.0	5 0		-55	125	K06115a	TO116	TTL Hex Buffers/drivers;tpd 14ns.
86#	SFC417ET	6		MON	2.0%	.80*	0.0	5 0		-25	85	K06115a	TO116	TTL Hex Buffers/drivers;tpd 14ns.
87#	SFC417PM	6		MON	2.0%	.80*	0.0	5.0		-55	125	K06115a	TO85	TTL Hex Buffers/drivers;tpd 14ns.
88♦	SN54H04J	6		MON	2.0%	.80*	0.0	5.0		-55	125	K06112	M157b	Hex inverter; tpd 22ns max
89	SN54H04N	6		MON	2.0%	.80*	0.0	5.0		-55	125	K06112	M126	Hex inverter, tpd 22ns max
90	SN54S04J	6		MON	2.0%	.80*	0.0	5.0	114mt	-55	125	K06109b	M157b	Hex;FO 20;tpd 3.0ns typ.
91	SN54S04N	6		MON	2.0%	.80*	0.0	5.0	114mt	-55	125	K06109b	M126e	Hex;FO 20,tpd 3.0ns typ.
92	SN54S04W	6		MON	2.0%	80*	0.0	5.0	114mt	-55	125	K06109b	Δ004AA	Hex,FO 20;tpd 3.0ns typ.
93	SN54S05J	6		MON	2.0%	.80*	0.0	5.0	102mt	-55	125	K06125	M157b	Hex;FO 10;tpd 5.0ns typ.
94	SN54S05N	6		MON	2.0%	.80*	0.0	5.0	102mt	-55	125	K06125	M126e	Hex;FO 10;tpd 5.0ns typ.
95	SN54S05W	6		MON	2.0%	.80*	0.0	5.0	102mt	-55	125	K06125	Δ004AA	Hex;FO 10;tpd 5.0ns typ.
96♦	SN74H04J	6		MON	2.0%	.80*	0.0	5.0		0	70	K06107a	M157b	Hex inverter; tpd 22ns max.
97♦	SN74H04N	6		MON	2.0%	.80*	0.0	5.0		0	70	K06107a	M126e	Hex inverter; tpd 22ns max.
98	SN74H04W	6		MON	2.0%	.80*	0.0	5.0		0	70	K06107a	T084	Hex Inverter;tpd 22ns max
99♦	SN74H05J	6		MON	2.0%	.80*	0.0	5.0		0	70	G04387e	M157b	Hex inverter; tpd 55ns max.
100♦	SN74H05N	6		MON	2.0%	.80*	0.0	5.0		0	70	G04387e	M126e	Hex inverter; tpd 55ns max.
101	SN74H05W	6		MON	2.0%	.80*	0 0	5.0		0	70	G04387e	T084	Hex Inverter,tpd 55ns max.
102	SN74S04J	6		MON	2.0%	.80*	0.0	5.0	114mt	0	70	K06109b	M157b	Hex;FO 20;tpd 3.0ns typ.
103	SN74S04N	6		MON	2.0%	.80*	0.0	5.0	114mt	0	70	K06109b	M126e	Hex;FO 20;tpd 3.0ns typ.
104	SN74S04W	6		MON	2.0%	.80*	0.0	5.0	114mt	0	70	K06109b	Δ004AA	Hex;FO 20;tpd 3.0ns typ.
105	SN74S05J	6		MON	2.0%	.80*	0.0	5.0	102mt	0	70	K06125	M157b	Hex;FO 10;tpd 5.0ns typ.
106	SN74S05N	6		MON	2.0%	.80*	0.0	5.0	102mt	0	70	K06125	M126e	Hex;FO 10;tpd 5.0ns typ
107	SN74S05W	6		MON	2.0%	.80*	0.0	5.0	102mt	0	70	K06125	Δ004AA	Hex;FO 10;tpd 5.0ns typ.
108♦	SN5404J	6		MON	2.0%	.80*	0.0	5.0		-55	125	K06107a	M157b	Hex Inverter;Tpd 22ns max.
109	SN5404N	6		MON	2.0%	.80*	0.0	5.0	60m	-55	125	K06107b	M126d	Hex inverter; Tpd 22ns max, Fo 10
110♦	SN5404W	6		MON	2.0%	80*	0.0	5.0		-55	125	K06107a	Δ004AA	Hex Inverter;tpd 22ns max.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0' (4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPER-ATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1▼	SN5405J	6		MON	2.0%	.80*	0.0	5.0	10mΔ	-55	125	K06107a	M157b	Hex;tpd 55ns max.
2#	SN5405N	6		MON	2.0%	80*	0.0	5.0	10mΔ	-55	125	K06107a	M75a	Hex inverter.
3▼	SN5405W	6		MON	2.0%	.80*	0.0	5.0	10mΔ	-55	125	K06107a	Δ004AA	Hex,tpd 55ns max
4♦	SN5406J	6		MON	2.0%	80*	0.0	5 0	150mŧ	-55	125	K06115	M157b	TTL Hexinverter buffers/drivers;tpD15ns.
5	SN5406N	6		MON	2 0%	80*	0.0	5.0	150mŧ	-55	125	K06115	M126a	TTL Hex Inverter buffers/drivers;tpD 15ns.
6♦	SN5406W	6		MON	2.0%	80*	0.0	5.0	150mŧ	-55	125	K06115	Δ004AA	TTL Hex Inverter buffer/driver;tpd 15ns.
7♦	SN5407J	6		MON	2.0%	80*	0.0	5.0	145mŧ	-55	125	K06115a	M157b	TTL hex buffers/drivers;tpD 14ns.
8	SN5407N	6		MON	2 0%	80*	0.0	5.0	145mŧ	-55	125	K06115a	M126a	TTL Hex buffers/drivers;tpD 14ns.
9♦	SN5407W	6		MON	2.0%	80*	0.0	5.0	145mŧ	-55	125	K06115a	Δ004AA	TTL Hex buffer/driver;tpd 15ns.
10♦	SN5416J	6		MON	2.0%	.80*	0.0	5.0	150mŧ	-55	125	K06115	M157b	TTL Hex Inverter buffers/drivers;tpD 15ns.
11	SN5416N	6		MON	2 0%	.80*	0.0	5.0	150mŧ	-55	125	K06115	M126a	TTL Hex Inverter buffers/drivers;tpD 15ns.
12♦	SN5416W	6		MON	2.0%	.80*	0.0	5.0	150mŧ	-55	125	K06115	Δ004AA	TTL Hex Inverter buffer/driver;tpd 15ns.
13♦	SN5417J	6		MON	2.0%	80*	0.0	5.0	145mŧ	-55	125	K06115a	M157b	TTL Hex buffers/drivers;tpD 14ns.
14	SN5417N	6		MON	2 0%	80*	0.0	5.0	145mŧ	-55	125	K06115a	M126a	TTL Hex buffers/drivers;tpD 14ns
15♦	SN5417W	6		MON	2 0%	.80*	0.0	5.0	145mŧ	-55	125	K06115a	Δ004AA	TTL Hex buffer/driver;tpd 14ns.
16#	SN6404N	6		MON	2.0%	80*	0.0	5.0	10mΔ	-40	85	K06107b	M75a	Hex inverter.
17#	SN6405AN	6		MON	2.0%	80*	0 0	5.0	10mΔ	-40	85	K06107a	M75a	Hex inverter.
18#	SN6405N	6		MON	2.0%	80*	0.0	5.0	10mΔ	-40	85	K06107a	M75a	Hex inverter.
19♦	SN7404J	6		MON	2.0%	.80*	0.0	5.0		0	70	K06107a	M157b	Hex Inverter;Tpd 22ns max.
20♦	SN7404N	6		MON	2 0%	80*	0.0	5.0	60m	0	70	K06107b	M126e	Hex inverter; Tpd 22ns max; Fo 10.
21	SN7404W	6		MON	2.0%	.80*	0.0	5.0		0	70	K06107a	T084	Hex Inverter;tpd 22ns max.
22▼	SN7405J	6		MON	2.0%	.80*	0.0	5.0	10mΔ	0	70	K06107a	M157b	Hex;tpd 55ns max.
23♦	SN7405N	6		MON	2.0%	.80*	0.0	5.0	10mΔ	0	70	K06107a	M126e	Hex;tpd 55ns max.
24♦	SN7406J	6		MON	2.0%	.80*	0.0	5.0	150mŧ	0	70	K06115	M157b	TTL Hex Inverter buffers/drivers;tpD 15ns.
25♦	SN7406N	6		MON	2 0%	.80*	0.0	5 0	150mŧ	0	70	K06115	M126e	TTL Hex Inverter buffers/drivers,tpD 15ns.
26	SN7406W	6		MON	2.0%	.80*	0.0	5.0	150mŧ	0	70	K06115	T084	TTL Hex Inverter buffer/driver;tpd 15ns.
27♦	SN7407J	6		MON	2.0%	.80*	0.0	5.0	145mŧ	0	70	K06115a	M157b	TTL Hex buffers/drivers;tpD 14ns.
28♦	SN7407N	6		MON	2 0%	.80*	0.0	5 0	145mŧ	0	70	K06115a	M126e	TTL Hex buffers/drivers;tpD 14ns.
29	SN7407W	6		MON	2.0%	.80*	0.0	5 0	145mŧ	0	70	K06115a	T084	TTL Hex buffer/driver;tpd 14ns.
30♦	SN7416J	6		MON	2 0%	.80*	0.0	5.0	150mŧ	0	70	K06115	M157b	TTL Hex Inverter buffers/drivers;tpD 15ns.
31♦	SN7416N	6		MON	2.0%	.80*	0 0	5 0	150mŧ	0	70	K06115	M126e	TTL Hex Inverter buffers/drivers;tpD 15ns.
32	SN7416W	6		MON	2.0%	.80*	0.0	5.0	150mŧ	0	70	K06115	T084	TTL Hex Inverter buffer/driver;tpd 15ns.
33♦	SN7417J	6		MON	2.0%	.80*	0.0	5.0	145mŧ	0	70	K06115a	M157b	TTL Hex buffers/drivers;tpD 14ns.
34♦	SN7417N	6		MON	2.0%	.80*	0.0	5.0	145mŧ	0	70	K06115a	M126e	TTL Hex buffers/drivers;tpD 14ns
35	SN7417W	6		MON	2.0%	.80*	0.0	5.0	145mŧ	0	70	K06115a	T084	TTL Hex buffer/driver;tpd 14ns.
36	SW5404J	6		MON	2 0%	.80*	0.0	5.5	10m	-55	125	G0414g	M114	TTL;tpD 30ns; Noise Rej. 1.0V;FO10.
37	SW5405J	6		MON	2.0%	.80*	0 0	5.5	10m	-55	125	G04233e	M114	TTL;tpD 30ns; Noise Rej. 1.0V;FO10.
38	SW5406J	6		MON	2.0%	80*	0.0	5 0	150mŧ	-55	125	K06115	TO116	Hex Inverting Buffer;Free Collectors.
39	SW5407J	6		MON	2.0%	.80*	0.0	5.0	150mŧ	-55	125	K06115a	TO116	Hex Buffer;Free Collectors.
40	SW5416J	6		MON	2.0%	.80*	0 0	5.0	150mŧ	-55	125	K06115	TO116	Hex Inverting Buffer;Free Collectors.
41	SW5417J	6		MON	2.0%	80*	0 0	5 0	150mŧ	-55	125	K06115a	TO116	Hex Buffer;Free Collectors.
42	SW7404J	6		MON	2.0%	.80*	0 0	5 25	10m	0	70	G0414g	M114	TTL;tpD 30ns; Noise Rej. 1.0Vmax; FO10.
43	SW7404N	6		MON	2.0%	.80*	0.0	5 25	10mΔ	0	70	G0414g	M105n	TTL;tpD 30ns; Noise Rej 1.0V;FO10.
44	SW7405J	6		MON	2.0%	.80*	0.0	5.25	10mΔ	0	70	G04233e	M114	TTL;tpD 30ns; Noise Rej 1.0V;FO10.
45	SW7405N	6		MON	2.0%	.80*	0 0	5.25	10mΔ	0	70	G04233e	M105n	TTL;tpD 30ns; Noise Rej 1.0V;FO10.
46	SW7406J	6		MON	2.0%	.80*	0.0	5 0	150mŧ	0	70	K06115	TO116	Hex Inverting Buffer;Free Collectors.
47	SW7406N	6		MON	2.0%	.80*	0.0	5.0	150mŧ	0	70	K06115	M105n	Hex Inverting Buffer;Free Collectors.
48	SW7407J	6		MON	2 0%	.80*	0.0	5.0	150mŧ	0	70	K06115a	TO116	Hex Buffer;Free Collectors.
49	SW7407N	6		MON	2.0%	.80*	0.0	5.0	150mŧ	0	70	K06115a	M105n	Hex Buffer;Free Collectors.
50	SW7416J	6		MON	2.0%	80*	0.0	5.0	150mŧ	0	70	K06115	TO116	Hex Inverting Buffer;Free Collectors.
51	SW7416N	6		MON	2.0%	.80*	0.0	5 0	150mŧ	0	70	K06115	M105n	Hex Inverting Buffer;Free Collectors.
52	SW7417J	6		MON	2.0%	80*	0.0	5 0	150mŧ	0	70	K06115a	TO116	Hex Buffer;Free Collectors.
53	SW7417N	6		MON	2.0%	.80*	0.0	5.0	150mŧ	0	70	K06115a	M105n	Hex Buffer;Free Collectors
54#	T7404B1	6		MON	2.0%	80*	0 0	5.0	60mŧ	0	70		M126h	Hex Inverter;tpd 22ns max;Fo 10.
55#	T7405B1	6		MON	2 0%	.80*	0.0	5.0	60mŧ	0	70		M126h	Hex Inverter;tpd 55ns max
56#	T7406B1	6		MON	2.0%	.80*	0.0	5.0	60mŧ	0	70		M126f	Hex Inverter;tpd 26ns max.
57#	T7407B1	6		MON	2.0%	80	0.0	5.0	145mŧ	0	70	K06115a	M126a	TTL Hex Buffers/Drivers;tpd 14ns.
58#	T7416B1	6		MON	2 0%	.80*	0.0	5 0	60mŧ	0	70		M126f	Hex Inverter;tpd 26ns max.
59#	T7417B1	6		MON	2 0%	.80	0.0	5.0	145mŧ	0	70	K06115a	M126a	TTL Hex Buffers/Drivers;tpd 14ns.
60	TG54S04F	6		MON	2.0%	.80*	0.0	5 0	270mŝ	-55	125	K06109b	TO86	Hex Inverter;tpd 5.0ns max;FO 20 max.
61	TG54S04J	6		MON	2 0%	.80*	0.0	5 0	270mŝ	-55	125	K06109b	M157c	Hex Inverter;tpd 5.0ns max;FO 20 max.
62	TG54S05F	6		MON	2 0%	80*	0.0	5 0	45mŝ	-55	125	K06107a	TO86	Hex Inverter;tpd 7.5ns max;FO 20 max.
63	TG54S05J	6		MON	2.0%	80*	0.0	5.0	45nŝ	-55	125	K06107a	M157c	Hex Inverter;tpd 7.5ns max;FO 20 max.
64	TG74S04F	6		MON	2 0%	80*	0.0	5 0	270mŝ	0	70	K06109b	TO86	Hex Inverter;tpd 5 0ns max;FO 20 max.
65	TG74S04J	6		MON	2.0%	.80*	0.0	5 0	270mŝ	0	70	K06109b	M157c	Hex Inverter;tpd 5.0ns max;FO 20 max.
66	TG74S05F	6		MON	2.0%	.80*	0.0	5 0	45mŝ	0	70	K06107a	TO86	Hex Inverter;tpd 7.5ns max;FO 20 max.
67	TG74S05J	6		MON	2 0%	80*	0.0	5.0	45mŝ	0	70	K06107a	M157c	Hex Inverter;tpd 7.5ns max;FO 20 max.
68#	TL7404N	6		MOS	2.0%	80*	0.0	5.0	118mŧ	0	70	K06107e	M126n	TTL Hex Inverter;tpd 22ns max.
69#	TL7405N	6		MON	2 0%	.80*	0.0	5.0	112mŧ	0	70	K06107a	M126n	TTL Hex Inverter;tpd 55ns max
70#	TL7406N	6		MON	2.0%	.80*	0.0	5 0	210mŧ	0	70	K06115	M126n	TTL Hex Inverter Buffer/Driver Vo 30V
71#	TL7407N	6		MON	2 0%	.80*	0.0	5.0	186mŧ	0	70	K06115a	M126n	TTL Hex Inverter Buffer/Driver;Vo 30V
72#	TL7416N	6		MON	2.0%	80*	0.0	5.0	210mŧ	0	70	K06115	M126n	TTL Hex Inverter Buffer/Driver Vo 15V
73#	TL7417N	6		MON	2.0%	.80*	0.0	5 0	186mŧ	0	70	K06115a	M126n	TTL Hex Inverter Buffer/Driver;Vo 15V
74#	TL8404N	6		MON	2 0%	.80*	0.0	5.0	118mŧ	-25	85	K06107e	M126n	TTL Hex Inverter,tpd 22ns max.
75#	TL8405N	6		MON	2.0%	.80*	0.0	5 0	112mŧ	-25	85	K06107a	M126n	TTL Hex Inverter;tpd 55ns max.
76	TRW7404#1	6		MON	2.0%	.80	0 0	5.0		0	70	K06107	M126	Hex Inverter Tpd 22ns max.
77	TRW7404#2	6		MON	2.0%	80	0.0	5.0		0	70	K06107	M157	Hex Inverter Tpd 22ns max.
78	TRW7405#1	6		MON	2 0%	.80	0 0	5 0	10m	0	70	K06107	M126	Hex Inverter
79	TRW7405#2	6		MON	2.0%	.80	0.0	5.0	10m	0	70	K06107	M157	Hex Inverter
80	TRW7406#1	6		MON	2.0%	.80	0.0	5 0	150m	0	70	K06115	M126	TTL Hex Inverter buffers/drivers Tpd 15ns.
81	TRW7406#2	6		MON	2.0%	80	0.0	5.0	150m	0	70	K06115	M157	TTL Hex Inverter buffers/drivers Tpd 15ns.
82	TRW7407#1	6		MON	2.0%	80	0.0	5.0	145m	0	70	K06115a	M126	TTL Hex Buffers/Drivers;Tpd14ns.
83	TRW7407#2	6		MON	2 0%	.80	0.0	5.0	145m	0	70	K06115a	M157	TTL Hex Buffers/Drivers;Tpd14ns.
84	US54H04A	6		MON	2 0%	.80*	0.0	5.0		-55	125	K06112	M105b	tpD 13ns max;ton 4.0ns; toff 6.0ns.
85	US54H04J	6		MON	2.0%	80*	0.0	5.0		-55	125	K06112	TO88	tpD 13ns max;ton 4.0ns;toff 6.0ns.
86	US54H05A	6		MON	2.0%	80*	0 0	5.0		-55	125	G04387e	M105b	tpD 18ns max;ton10ns;toff 6.0ns.
87	US54H05J	6		MON	2.0%	80*	0 0	5.0		-55	125	G04387e	TO88	tpD 18ns max;ton 10ns;toff 6.0ns.
88	US74H04A	6		MON	2.0%	.80*	0.0	5 0		0	70	K06112	M105b	tpD 13ns max;ton 4.0ns;toff 6.0ns.
89	US74H04J	6		MON	2.0%	80*	0.0	5.0		0	70	K06112	TO88	tpD 13ns max;ton 4.0ns;toff 6.0ns.
90	US74H05A	6		MON	2.0%	80*	0.0	5 0		0	70	G04387e	M105b	tpD 18ns max;ton 10ns;toff 6.0ns.
91	US74H05J	6		MON	2.0%	.80*	0 0	5.0		0	70	G04387e	TO88	tpD 18ns max,ton 10ns;toff 6.0ns.
92	US5404A	6		MON	2 0%	.80*	0.0	5.0		-55	125	G04387f	M105b	6 Ckts,Hex Inverters;F.O. 10;tpd 10ns.
93	US5404J	6		MON	2.0%	80*	0 0	5.0		-55	125	G04387f	TO88	6 Ckts;Hex Inverters;F.O. 10;tpd 10ns.
94	US5405A	6		MON	2.0%	.80*	0 0	5.0		-55	125	G04387e	M105b	6 ckts; hex inverters; F.O 10; tpd 11ns
95	US5405J	6		MON	2.0%	.80*	0.0	5.0		-55	125	G04387e	TO88	6 Ckts;Hex Inverters;F O. 10;tpd 11ns.
96	US7404A	6		MON	2 0%	80*	0.0	5.0		0	70	G04387f	M105b	6 Ckts,Hex Inverters;F.O. 10;tpd 10ns.
97	US7404J	6		MON	2.0%	80*	0 0	5 0		0	70	G04387f	TO88	6 Ckts;Hex Inverters;F O. 10;tpd 10ns.
98	US7405A	6		MON	2.0%	.80*	0.0	5.0		0	70	G04387e	M105b	6 Ckts,Hex Inverters;F.O. 10;tpd 11ns.
99	US7405J	6		MON	2 0%	80*	0.0	5.0		0	70	G04387e	TO88	6 Ckts;Hex Inverters;F.O. 10;tpd 11ns.
100	D4010	6	5.0M	PCB	2 0%	.95*	0	5	450m	0	75			24 Inverters.
101	D4207	6	10M	PCB	2 0%	.95*	0	5	425m	0	50		CB☑	Twenty Four Inverters.
102	RM934J	6		MON	2 0%	1.0*	0	5.0		-55	125			Hex Inverter;Fanout 8;Pd-16mW;Nm-.50V.
103	RM935J	6		MON	2 0%	1.0*	0	5.0		-55	125			Hex Inverter,Fanout 8;Pd-7mW;Nm-.50V.
104	RM936J	6		MON	2 0%	1.0*	0	5 0		-55	125			Hex Inverter,Fanout 8;Pd-8.5mW;Nm-.50V.
105	RM937J	6		MON	2.0%	1 0*	0	5.0		-55	125			Hex Inverter,Fanout 7;Pd-12.5mW;Nm-.50V.
106	RM940J	6		MON	2.0%	1.0*	0	5.0	8.5m	-55	125			Hex Inverter;Fanout 8;Noise Margin-.50V.
107	RM941D	6		MON	2.0%	1 0*	0	5.0	6.0m	-55	125			Hex Inverter;Fanout 8;Noise Margin-.50V.
108	RM941J	6		MON	2 0%	1.0*	0	5.0	6.0m	-55	125			Hex Inverter;Fanout 8;Noise Margin-.50V.
109	9935DC	6		MON	2.0%	1 1*	0.0	8.0		0	75	K0677c	TO116	6Ckts,Fan Out 10.
110	9935DM	6		MON	2.0%	1.1*	0 0	8.0		-55	125	K0677c	TO116	6 Ckts;Fan Out 10.

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0' (4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	9935FC	6		MON	2.0%	1.1*	0.0	8.0				K0677c	FP28	6 Ckts,Fan Out 10
2	9935FM	6		MON	2.0%	1.1*	0.0	8.0		-55	125	K0677c	FP28	6 Ckts;Fan Out 10.
3	SFC935E	6		MON	2.0%	1.1*	0.0	8.0		0	75	K0677c	M126	6 Ckts.; Fan Out of 10
4#	FCH201	6		MON	2.3%	.80*	0	6	42m	0	75	K0682	TO116	NAND/NOR Sextuple inverter gate.
5#	FCH211	6		MON	2.3%	.80*	0	6	66m	0	75	K0682a	TO116	NAND/NOR Sextuple inverter gate.
6	HEPC3004P-RT	6		MON	2.4%	.40*†	0.0	5.0	60m†			K06107a	TO116	Hex;TTL;4 ckts;tpd 13ns typ
7	MC3108F	6		MON	2.4%	.40*†	0.0	5.0	140m†	-55	125	K06109	TO86	Hex Inverter.
8	MC5404F	6		MON	2.4%	.40*†	0.0	5.0	60m†	0	70	G04387f	TO86	6 Ckts;tpd 13ns;FO10.
9	MC5404L	6		MON	2.4%	.40*†	0.0	5.0	60m†	-55	125	G04387d	TO116	6 Ckts;tpd 13ns;FO10.
10	MC5405L	6		MON	2.4%	.40*†	0.0	5.0	60m†	-55	125	G04387d	TO116	6 Ckts;tpd 35ns;FO10.
11	MC5406L	6		MON	2.4	.40	0.0	5.0	105m†	-55	125	K06115	TO116	6 Ckts;TTL;Hex Buffers/Drivers
12	MC5407L	6		MON	2.4	.40	0.0	5.0	145m†	-55	125	K06115a	TO116	6 Ckts,TTL;Hex Buffers/Drivers.
13	MC5416L	6		MON	2.4	40	0.0	5.0	105m†	-55	125	K06115	TO116	6 Ckts,TTL;Hex Buffers/Drivers
14	MC5417L	6		MON	2.4	.40	0.0	5.0	145m†	-55	125	K06115a	TO116	6 Ckts;TTL;Hex Buffers/Drivers.
15	MC7404F	6		MON	2.4%	.40*†	0.0	5.0	60m†	0	70	G04387f	TO86	6 Ckts;tpd 13ns;FO10.
16	MC7404L,P%	6		MON	2.4%	.40*†	0.0	5.0	60m†	0	70	G04387d	TO116	6 Ckts;tpd 13ns;FO10.
17	MC7405L,P%	6		MON	2.4%	.40*†	0.0	5.0	60m†	0	70	G04387d	TO116	6 Ckts;tpd 35ns;FO10.
18	MC7406L,P%	6		MON	2.4	40	0.0	5.0	105m†	0	70	K06115	TO116	6 Ckts;TTL;Hex Buffers/Drivers.
19	MC7407L,P%	6		MON	2.4	.40	0.0	5.0	145m†	0	70	K06115a	TO116	6 Ckts;TTL;Hex Buffers/Drivers
20	MC7416L,P%	6		MON	2.4	.40	0.0	5.0	105m†	0	70	K06115	TO116	6 Ckts;TTL;Hex Buffers/Drivers.
21	MC7417L,P%	6		MON	2.4	.40	0.0	5.0	145m†	0	70	K06115a	TO116	6 Ckts;TTL;Hex Buffers/Drivers.
22	MCB5404F	6		MON	2.4	.40	0.0	5.0	60m†	-55	125	K06107	FP77	Hex;6 ckts;tpd 13ns typ;FO 10
23	MCB5405F	6		MON	2.4	.40	0.0	5.0	60m†	-55	125	K06107d	FP77	Hex,tpd 35ns typ,6 Ckts;FO 10.
24	MCBC5404	6		MON	2.4	.40	0.0	5.0	60m†	-55	125	K06107	FC2	Hex;6 Ckts;tpd 13ns typ,FO 10.
25	MCBC5405	6		MON	2.4	.40	0.0	5.0	60m†	-55	125	K06107d	FC2	Hex;tpd 35ns typ;6 Ckts;FO 10.
26	MC3008F	6		MON	2.5%	.40*†	0.0	5.0	140m†	0	75	K06109	TO86	Hex Inverter.
27	MC3008L,P%	6		MON	2.5%	.40*†	0.0	5.0	140m†	0	75	K06109	TO116	Hex Inverter.
28	MC3009L,P%	6		MON	2.5%	.40*†	0.0	5.0	90m†	0	75	G04387e	TO116	Hex Inverter.
29	MC3108L	6		MON	2.5%	.40*†	0.0	5.0	140m†	-55	125	K06109	TO116	Hex Inverter.
30	MC3109L	6		MON	2.5%	.40*†	0.0	5.0	90m†	-55	125	G04387e	TO116	6 ckts,tpd 8.0ns typ;FO 10.
31	9936DM	6		MON	2.6%	40†*	0.0	5.0	96m	-55	125	K0677a	M157	6 Ckts;Fan Out 8.
32	9936FM	6		MON	2.6%	40†*	0.0	5.0	96m	-55	125	K0677a	FP28b	6 Ckts;Fan Out 8.
33	9937DC	6		MON	2.6%	.40†*	0.0	8.0	51m	0	75	K0677c	TO116	6 Ckts;Fan Out 7.
34	9937FC	6		MON	2.6%	.40†	0.0	8.0	51m	0	75	K0677c	FP28	6 Ckts;Fan Out 7.
35#	DN1935	6		MON	2.6%	.40*	0.0	5.0	8.5m†	0	75	K0681a	TO116	Hex,DTL;tpd 25ns;FO8
36#	DN1936	6		MON	2.6%	.40*	0.0	5.0	8.5m†	0	75	K0677c	TO116	Hex;DTL;tpD 25ns;FO 8
37#	DN1937	6		MON	2.6%	.40*	0.0	5.0	12m†	0	75	K0677c	TO116	Fast Hex;DTL;tpd 20ns;FO7
38	MC934F	6		MON	2.6%	40*	0.0	5.0	66m†	-55	125	K0681	TO86	DTL;Fan Out 8;tpd 30ns;6 ckt.
39	MC934L	6		MON	2.6%	40*	0.0	5.0	66m†	-55	125	K0681	TO116	DTL;Fan Out 8;tpd 30ns; 6 ckt.
40	MC936F	6		MON	2.6%	40*	0.0	5.0	66m†	-55	125	K0682a	TO86	DTL;Fan Out 8;tpd 30ns; 6 Ckt.
41	MC936L	6		MON	2.6%	.40*	0.0	5.0	66m†	-55	125	K0682a	TO116	DTL;Fan Out 8;tpd 30ns, 6 Ckt.
42	MC937F	6		MON	2.6%	.40*	0.0	5.0	90m†	-55	125	K0682a	TO86	DTL;Fan Out 7;tpd 25ns; 6 Ckt.
43	MC937L	6		MON	2.6%	.40*	0.0	5.0	90m†	-55	125	K0682a	TO116	DTL,Fan Out 7,tpd 25ns; 6 Ckt.
44	MC946G	6		MON	2.6%	.40*	0	8	44m†	-55	125	K0677b	TO100	DTL, tpd-30ns
45	MC949G	6		MON	2.6%	.40*	0	8	60m†	-55	125	K0677b	TO100	DTL; tpd-25ns.
46	MCE936F	6		MON	2.6%	.40*†	0.0	5.0	66m	-55	125	K0677a	TO85	Hex Inverter;Fanout 8.
47	9936DC	6		MON	2.6%	.45†*	0.0	5.0	115m	0	75	K0677a	M157	6 Ckts;Fan Out 8.
48	9936FC	6		MON	2.6%	45†*	0.0	5.0	115m	0	75	K0677a	FP28b	6 Ckts;Fan Out 8.
49#	FQH141-836	6		MON	2.6%	.45†*	0.0	8.0		0	75	K0695	TO116	Hex Inverters;Diode Input.
50	HEPC1032P-RT	6		MON	2.6%	.45*†	0.0	5.0	88m†	0	75	K06122	TO116	Dual 4-Input Buffer;tpd 35ns typ.
51	MC834F	6		MON	2.6%	.45*	0.0	5.0	66m†	0	75	K0681	TO86	6 Hex Inverters,DTL;Fan Out 8;tpd 30ns
52	MC834L,P%	6		MON	2.6%	.45*	0.0	5.0	66m†	0	75	K0681	TO116	6 Hex Inverters;DTL;Fan Out8,tpd 30ns.
53	MC836F	6		MON	2.6%	.45*	0.0	5.0	66m†	0	75	K0681c	TO86	6 ckts;DTL;Fan Out 8;tpd 30ns.
54	MC836L,P%	6		MON	2.6%	.45*	0.0	5.0	66m†	0	75	K0681c	TO116	6 ckts;DTL;Fan Out 8;tpd 30ns.
55	MC837F	6		MON	2.6%	45*	0.0	5.0	90m†	0	75	K0681a	TO86	6 ckts,DTL;Fan Out 7;tpd 30ns.
56	MC837L,P%	6		MON	2.6%	.45*	0.0	5.0	90m†	0	75	K0681a	TO116	6 ckts;DTL,Fan Out 7;tpd 30ns.
57	MC846G	6		MON	2.6%	.45*	0	8	44m†	0	75	K0677b	TO100	DTL, tpd-30ns.
58	MC849G	6		MON	2.6%	.45*	0	8	60m†	0	75	K0677b	TO100	DTL; tpd-25ns.
59	SFC936E	6		MON	2.6%	.45†*	0.0	5.0	115m	0	75	K0677a	M126	6 Ckts.; Fan Out of 8 each
60	MC789AP	6		MON	2.6%	50*†	0.0	3.6	130m	15	55	K0686	TO116	6 ckt;tpd 12ns;Fan Out 5.
61	MC889AP	6		MON	2.6%	.50*†	0.0	3.6	130m	0	75	K0686	TO116	6 ckt;tpd 12ns;Fan Out 5.
62	SN535	6		MON	2.7	.30	0	8	36m	-55	125	K0610	ZB5	4 Ckt; FanOut 10/Inv; Noise Rej. 200mV.
63	N8H90A	6			2.8%	.40†*	0.0	5.0	277m	0	75	K06106a	TO116	Hex inv,Prop delay 7.0n;tf 50ns max.
64	N8H90F	6		MON	2.8%	.40†*	0.0	5.0	277m	0	75	K06106a	M157	Hex;tpd 7.0ns,tf 50ns max.
65	N8H90J	6			2.8%	.40†*	0.0	5.0	277m	0	75	K06106a	TO88	Hex inv, Prop delay 7.0n;tf 50ns max.
66	S8H90A	6			2.8%	.40†*	0.0	5.0	277m	-55	125	K06106a	TO116	Hex inv; Prop delay 7 0n;tf 50ns max.
67	S8H90F	6		MON	2.8%	40†*	0.0	5.0	277m	-55	125	K06106a	M157	Hex;tpd 7.0ns;tf 50ns max.
68	S8H90J	6			2.8%	.40†*	0.0	5.0	277m	-55	125	K06106a	TO88	Hex inv; Prop delay 7.0n;tf 50ns max.
69	MC835F	6		MON	3.0	20	0.0	5.0	42m†	0	75	K0681c	TO86	6 Hex Inverters;DTL,Fan Out 8;tpd 30ns
70	MC835L,P%	6		MON	3.0	20	0.0	5.0	42m†	0	75	K0681c	TO116	6 Hex Inverters;DTL,Fan Out8,tpd 30ns.
71	MC840F	6		MON	3.0	20	0.0	5.0	66m†	0	75	K0681d	TO86	6 Hex Inverters;DTL;Fan Out 8;tpd 30ns
72	MC840L,P%	6		MON	3.0	20	0.0	5.0	66m†	0	75	K0681d	TO116	6 Hex Inverters;DTL,Fan Out8;tpd 30ns.
73	MC841F	6		MON	3.0	20	0.0	5.0	42m†	0	75	K0681e	TO86	6 Hex Inverters;DTL;Fan Out 8;tpd 30ns
74	MC841L,P%	6		MON	3.0	.20	0.0	5.0	42m†	0	75	K0681e	TO116	6 Hex Inverters;DTL,Fan Out8;tpd 30ns.
75	MC935F	6		MON	3.0	.20	0.0	5.0	42m†	-55	125	K0681c	TO86	DTL;Fan Out 8;tpd 30ns; 6 Ckt.
76	MC935L	6		MON	3.0	.20	0.0	5.0	42m†	-55	125	K0681c	TO116	DTL;Fan Out 8;tpd 30ns;6 ckt.
77	MC940F	6		MON	3.0	20	0.0	5.0	66m†	-55	125	K0681d	TO86	DTL;Fan Out 8;tpd 30ns; 6 Ckt.
78	MC940L	6		MON	3.0	.20	0.0	5.0	66m†	-55	125	K0681d	TO116	DTL;Fan Out 8;tpd 30ns; 6 Ckt.
79	MC941F	6		MON	3.0	.20	0	8	42m†	-55	125	K0681e	TO86	6 Hex Inverters,DTL;Fan Out 8;tpd 30ns.
80	MC941L	6		MON	3.0	.20	0.0	5.0	42m†	-55	125	K0681e	TO116	DTL,Fan Out 8;tpd 30ns; 6 Ckt.
81▼#	MIC935-1D	6		MON	3.0	.20	0.0	5.0		-55	125	K0681c	TO116	DTL Hex Inverter,Fan Out 8;Tpd 30ns.
82▼#	MIC935-5D	6		MON	3.0	20	0.0	5.0		0	75	K0681c	TO116	DTL Hex Inverter,Fan Out 8;Tpd 30ns.
83	MC2016F	6		MON	3.0%	.40*†	0.0	5.0	132m†	0	75	K06118	TO86	6 ckts;tpd 6.0n typ;Fan Out 5
84	MC2016L,P%	6		MON	3.0%	.40*†	0.0	5.0	132m†	0	75	K06118	TO116	6 ckts;tpd 6.0n typ;Fan Out 5.
85	MC2066F	6		MON	3.0%	.40*†	0.0	5.0	132m†	0	75	K06118	TO86	6 ckts;tpd 6.0n typ,Fan Out 5.
86	MC2066L,P%	6		MON	3.0%	.40*†	0.0	5.0	132m†	0	75	K06118	TO116	6 ckts;tpd 6.0n typ;Fan Out 5.
87	HD1S534	6		MON	3.0%	.45*†	0.0	5.0	17m§	0	75	K0684a	M75k	Hex Interface Inverter.
88	HD9V534	6		MON	3.0%	.45*†	0.0	5.0	17m§	0	75	K0684a	TO86	Hex Interface Inverter.
89	RG3382D	6		MON	3.0%	.45*†	0.0	5.0	132m†	0	75	K06109a	M105m	Hex Inv;tpd 9.5ns max;tr 3.0ns max.
90	RG3382K	6		MON	3.0%	.45*†	0.0	5.0	132m†	0	75	K06109a	FP21b	Hex Inv;tpd 9.5ns max;tr 3.0ns max.
91	HD1S536	6		MON	3.0%	1.0*†	0.0	5.0	17m§	0	75	K0684a	M75k	Hex Indicator Driver.
92	HD9V536	6		MON	3.0%	1.0*†	0.0	5.0	17m§	0	75	K0684a	TO86	Hex Indicator Driver.
93	MC2116F	6		MON	3.1%	.40*†	0.0	5.0	132m†	-55	125	K06118	TO86	6 ckts;tpd 6.0n typ;Fan Out 9.
94	MC2116L	6		MON	3.1%	.40*†	0.0	5.0	132m†	-55	125	K06118	TO116	6 ckts,tpd 6.0n typ;Fan Out 9.
95	MC2166F	6		MON	3.1%	40*†	0.0	5.0	132m†	-55	125	K06118	TO86	6 ckts;tpd 6.0n typ;Fan Out 9.
96	MC2166L	6		MON	3.1%	.40*†	0.0	5.0	132m†	-55	125	K06118	TO116	6 ckts;tpd 6.0n typ;Fan Out 9.
97	RG3380D	6		MON	3.1%	.40*†	0.0	5.0	132m†	-55	125	K06109a	M105m	Hex Inv,tpd 9.5ns max;tr 3.0ns max.
98	RG3380K	6		MON	3.1%	.40*†	0.0	5.0	132m†	-55	125	K06109a	FP21b	Hex Inv;tpd 9.5ns max;tr 3.0ns max.
99	MC429F	6	1.0MΔ%	MON	3.1%	.40*†	0.0	5.0	90m†	0	75	K06107b	TO86	6 Hex Inverters;TTL;tpd 10ns typ.
100	MC429L,P%	6	1.0MΔ%	MON	3.1%	.40*†	0.0	5.0	90m†	0	75	K06107b	TO116	6 Hex Inverters;TTL;tpd 10ns typ.
101	MC479F	6	1.0MΔ%	MON	3.1%	.40*†	0.0	5.0	90m†	0	75	K06107b	TO86	6 Hex Inverters;TTL;tpd 10ns typ.
102	MC479L,P%	6	1.0MΔ%	MON	3.1%	.40*†	0.0	5.0	90m†	0	75	K06107b	TO116	6 Hex Inverters;TTL;tpd 10ns typ.
103	MC529F	6	1.0MΔ%	MON	3.2%	.40*†	0.0	5.0	90m†	-55	125	K06107b	TO86	6 Hex Inverters;TTL;tpd 10ns typ.
104	MC529L	6	1.0MΔ%	MON	3.2%	.40*†	0.0	5.0	90m†	-55	125	K06107b	TO116	6 Hex Inverters;TTL;tpd 10ns typ.
105	MC579F	6	1.0MΔ%	MON	3.2%	.40*†	0.0	5.0	90m†	-55	125	K06107b	TO86	6 Hex Inverters;TTL;tpd 10ns typ.
106	MC579L	6	1.0MΔ%	MON	3.2%	.40*†	0.0	5.0	90m†	-55	125	K06107b	TO116	6 Hex Inverters;TTL;tpd 10ns typ.
107	TMIA18	6		PCB	3.3	.22	0.0	5.0	500m†			K06107b		18 ckts;Fan-in 1, Fan-out 10, Per ckt.
108	TRWG380#1	6		MON	3.3	.26	0.0	5.0	132m	-55	125		M157	Hex One Input Inverter.
109	TRWG380#2	6		MON	3.3	.26	0.0	5.0	132m	-55	125		M126	Hex One Input Inverter.
110	RG370D	6	20M	MON	3.4	20	0	5.0	90m	-55	125	K06103b	M105m	Hex Inverter;Fanout-15;Noise Margin-1.1V.

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	RG370K	6	20M	MON	3.4	.20	0	5 0	90m	-55	125	K06103b	FP21b	Hex Inverter;Fanout-15,Noise Margin-1 1V
2	RG371D	6	20M	MON	3 4	.20	0	5.0	90m	-55	125	K06103b	M105m	Hex Inverter;Fanout-7;Noise Margin-1.1V.
3	RG371K	6	20M	MON	3.4	.20	0	5.0	90m	-55	125	K06103b	FP21b	Hex Inverter;Fanout-7;Noise Margin-1.1V.
4	RG372D	6	20M	MON	3.4	.20	0	5.0	90m	0	75	K06103b	M105m	Hex Inverter;Fanout-12;Noise Margin-1.1V.
5	RG372K	6	20M	MON	3 4	.20	0	5.0	90m	0	75	K06103b	FP21b	Hex Inverter;Fanout-12,Noise Margin-1.1V
6	RG373D	6	20M	MON	3.4	.20	0	5.0	90m	0	75	K06103b	M105m	Hex Inverter;Fanout-6;Noise Margin-1.1V.
7	RG373K	6	20M	MON	3.4	.20	0	5 0	90m	0	75	K06103b	FP21b	Hex Inverter;Fanout-6;Noise Margin-1.1V.
8	RG380D	6		MON	3 5	.20	0.0	5.0	22m	-55	125	K06106	M105m	Hex Inverter;Fan Out-11;Noise Margin-1.0V
9	RG380K	6		MON	3.5	.20	0.0	5.0	22m	-55	125	K06106	FP21b	Hex inverter; fan out 11;noise margin 1.0V
10	RG381D	6		MON	3.5	.20	0.0	5 0	22m	-55	125	K06106	M105m	Hex Inverter;Fan Out-6;Noise Margin-1.0V
11	RG381K	6		MON	3 5	.20	0	5 0	22m	-55	125	K06106	FP21b	Hex Inverter;Fanout-6;Noise Margin-1.0V.
12	RG382D	6		MON	3.5	.20	0	5.0	22m	0	75	K06106	M105m	Hex Inverter;Fanout-9;Noise Margin-1.0V.
13	RG382K	6		MON	3 5	.20	0	5.0	22m	0	75	K06106	FP21b	Hex Inverter;Fanout-9;Noise Margin-1.0V.
14	RG383D	6		MON	3.5	.20	0	5.0	22m	0	75	K06106	M105m	Hex Inverter;Fanout-5;Noise Margin-1.0V.
15	RG383K	6		MON	3.5	.20	0	5.0	22m	0	75	K06106	FP21b	Hex Inverter;Fanout-5;Noise Margin-1.0V.
16#	ZN5404E	6		MON	3.5	.20	0 0	5.0	10	-55	125		M126	6 ckts; Propagation Time 29ns max.
17#	ZN5404F	6		MON	3 5	.20	0 0	5.0	10	-55	125		TO84	6 ckts; Propagation Time 29ns max.
18#	ZN5405E	6		MON	3 5	.20	0.0	5.0	10	-55	125		M126	6 ckts; Propagation Time 29ns max.
19#	ZN5405F	6		MON	3 5	.20	0 0	5.0	10	-55	125		TO84	6 ckts, Propagation Time 29ns max.
20#	ZN7404E	6		MON	3.5	.20	0.0	5.0	10m	0	70		M126	6 ckts; Propagation Time 29ns max.
21#	ZN7404F	6		MON	3 5	.20	0 0	5.0	10m	0	70		TO86	6 ckts; Propagation Time 29ns max.
22#	ZN7405E	6		MON	3 5	.20	0 0	5 0	10m	0	70		M126	6 ckts; Propagation Time 29ns max.
23#	ZN7405F	6		MON	3 5	.20	0 0	5 0	10m	0	70		TO86	6 ckts; Propagation Time 29ns max.
24	N8490A	6			3 6%	.35†*	0.0	5.0	100m	0	75	K06103a	TO116	Hex inv;Prop delay 40ns max;tf 75ns max.
25	N8490F	6		MON	3 6%	.35†*	0 0	5 0	100m	0	75	K06103a	M157	Hex;tpd 40ns;tf 75ns max.
26	N8490J	6			3.6%	35†*	0.0	5 0	100m	0	75	K06103a	TO88	Hex inv;Prop delay 40ns max;tf 75ns max.
27	S8490A	6			3 6%	35†*	0.0	5.0	100m	-55	125	K06103a	TO116	Hex inv; Prop delay 40ns max;tf 75ns max.
28	S8490F	6		MON	3.6%	35†*	0.0	5 0	100m	-55	125	K06103a	M157	Hex;tpd 40ns;tf 75ns max.
29	S8490J	6			3.6%	35†*	0.0	5.0	100m	-55	125	K06103a	TO88	Hex inv; Prop delay 40ns max;tf 75ns max.
30	HD1S234	6		MON	4.0%	40*†	0.0	5.0	17m§	-55	125	K0684a	M75k	Hex Interface Inverter.
31	HD9V234	6		MON	4.0%	.40*†	0.0	5.0	17m§	-55	125	K0684a	TO86	Hex Interface Inverter
32	SN7350	6		MON	4.0*	40*	0	7	36m	0	70	K0610b	TO89	Fan out-10;tpd-25ns;tr-25ns;tf-25ns
33#	FQH151-837	6		MON	4.3%	.50†*	0.0	8.0		0	75	K0695	TO116	Hex Inverters;Diode Input.
34	MC14007AL	6		MOS	4.99%	.01*†	0.0	10	10n	-55	125	K06129	TO116	Dual Pair And Inverter.
35	MC14007CL,P%	6		MOS	4.99%	01*†	0 0	10	50n†	-40	85	K06129	TO116	Dual Pair And Inverter
36	MC14009AL	6		MOS	4.99%	.01*†	0.0	10	100n†	-55	125	K06130	M191	Inverting Hex Buffer
37	MC14009CL	6		MOS	4 99%	.01*†	0.0	10	500n†	-40	85	K06130	M191	Inverting Hex Buffer
38	MC14009CP	6		MOS	4 99%	.01*†	0.0	10	500n†	-40	85	K06130	M278	Inverting Hex Buffer.
39	MC14010AL	6		MOS	4 99%	01*†	0.0	10	100n†	-55	125	K06131	M191	Hex Non-Inverting Buffer
40	MC14010CL	6		MOS	4.99%	.01*†	0.0	10	500n†	-40	85	K06131	M191	Hex Non-Inverting Buffer.
41	MC14010CP	6		MOS	4.99%	01*†	0.0	10	500n†	-40	85	K06131	M278	Hex Non-Inverting Buffer.
42	MC14502AL	6		MOS	4.99%	.01*†	0.0	10	10u%	-55	125	K06137	M191	Strobed Hex Inverter/Buffer
43	MC14502CL	6		MOS	4 99%	.01*†	0 0	10	100u%	-40	85	K06137	M191	Strobed Hex Inverter/Buffer
44	MC14502CP	6		MOS	4.99%	.01*†	0.0	10	100u%	-40	85	K06137	M278	Strobed Hex Inverter/Buffer
45	I300	6	5.0M	PCB	5.0	0.0	4.8	5 2	480m	0	70		CB☑	Pd-25ns;tr-50nsec;tf-25nsec.
46	MIA18	6	5.0M	PCB	5.0	0.0	0	5	310m	0	70	K0671a		Eighteen inverters
47	T214	6	10M	PCB	5.0	0.0	4.8	5.2	650m	0	70		CB☑	Inverters.
48#	FCH311	6		MON	5.3	40†	0.0	8.0	100m	0	75	K06116	TO116	DTL;F.O. 8; Aver tpD 30ns typ.
49#	FCH321	6		MON	5.3	.40†	0.0	8.0	171m	0	75	K06116a	TO116	DTL;F.O. 8; Aver tpD 30ns typ.
50	LCE704	6	1.0M	MOH	6.0	0 0†	6	12		-15	65		M45	
51	LCE304	6	3.0M	MOH	6.0	0.0†	6	12	310m	-40	100	K0635	CN27	tr-160ns; tf-30ns
52	LCE404	6	3.0M	MOH	6.0	0.0†	6	12	310m	-40	100	K0636	M45	tr-160ns; tf-30ns
53	LCE504	6	5.0M	MOH	6.0	0 0†	6	12		-30	80		M45	
54	334AJ	6		MON	6.5*	5 0%	0.0	15	630m†	-30	70	K06140	M319	Strobed Hex Inv;tpd 350ns max;FO 5.
55	334AL	6		MON	6.5*	5.0%	0.0	15	630m†	-30	70	K06140	M200j	Strobed Hex Inv;tpd 350ns max;FO 5.
56	334BL	6		MON	6.5*	5.0%	0.0	12	336m†	-55	125	K06140	M200j	Strobed Hex Inv;tpd 350ns max;FO 5.
57	334CJ	6		MON	6 5*	5.0%	0.0	12	336m†	-30	85	K06140	M319	Strobed Hex Inv;tpd 350ns max;FO 5.
58	334CL	6		MON	6 5*	5.0%	0.0	12	336m†	-30	85	K06140	M200j	Strobed Hex Inv;tpd 350ns max;FO 5.
59	334ML	6		MON	6 5*	5.0%	0.0	15	630m†	-55	125	K06140	M200j	Strobed Hex Inv;tpd 350ns max;FO 5.
60	335AL	6		MON	6.5*	5.0%	0.0	15	900m†	-30	70	K06141	M200j	Strobed Hex Inv;tpd 350ns max;FO 5.
61	335BL	6		MON	6.5*	5 0%	0.0	12	504m†	-55	125	K06141	M200j	Strobed Hex Inv,tpd 350ns max;FO 5.
62	335CJ	6		MON	6.5*	5 0%	0.0	12	504m†	-30	85	K06141	M319	Strobed Hex Inv,tpd 350ns max;FO 5.
63	335CL	6		MON	6.5*	5.0%	0.0	12	504m†	-30	85	K06141	M200j	Strobed Hex Inv,tpd 350ns max;FO 5.
64	335ML	6		MON	6 5*	5.0%	0.0	15	900m†	-55	125	K06141	M200j	Strobed Hex Inv;tpd 350ns max;FO 5.
65	ITT332-1D	6			6.5	5 0	0.0	12		-55	125			
66	ITT332-5D	6			6 5	5.0	0.0	12		-30	85			
67#	MIC335-1D	6		MON	6.5%	5 0*	0	12		-55	125	K06141	M200d	Strobed Hex Inverter.
68#	MIC335-1D1	6		MON	6.5%	5.0*	0	15		-55	125	K06141	M200d	Strobed Hex Inverter.
69#	MIC335-5D	6		MON	6.5%	5.0*	0	12		-30	85	K06141	M200d	Strobed Hex Inverter.
70#	MIC335-5D1	6		MON	6 5%	5.0*	0	15		-30	70	K06141	M200d	Strobed Hex Inverter
71	SN15334J	6		MON	6 5%	5.0*	0.0	13 5	175m%	-30	85	K06124	M153a	Hex w/Strobes (Open Collector).
72	SN15334N	6		MON	6.5%	5.0*	0.0	13.5	175m%	-30	85	K06124	M117	Hex w/Strobes (Open Collector).
73	SN15335J	6		MON	6 5%	5.0*	0.0	13 5	324m%	-30	85	K06124	M153a	Hex w/Strobes (Resistive Pull-Up).
74	SN15335N	6		MON	6.5%	5 0*	0.0	13.5	324m%	-30	85	K06124	M117	Hex w/Strobes (Resistive Pull-Up).
75	SN15336J	6		MON	6 5%	5.0*	0.0	13 5	175m%	-30	85	G04444	M157b	Hex (open collector).
76	SN15336N	6		MON	6 5%	5.0*	0.0	13.5	175m%	-30	85	G04444	M126e	Hex (open collector).
77#	H112D1	6		MON	8.0%	6.0*	0.0	20	120mΔ	0	75	K0679a	M294	Hex Inverter Open Collector,tpd 110ns.
78#	H112D6	6		MON	8.0%	6.0*	0.0	16	80mΔ	-40	85	K0679a	M294	Hex Inverter Open Collector;tpd 110ns.
79#	H115D1	6		MON	8.0%	6.0*	0.0	2.0	120mΔ	0	75	K06132	M200m	Hex Inverter Open Collector;tpd 110ns.
80#	H115D6	6		MON	8 0%	6.0*	0 0	16	80mΔ	-40	85	K06132	M200m	Hex Inverter Open Collector;tpd 110ns.
81#	H118D1	6		MON	8.0%	6.0*	0 0	20	120mΔ	0	75	K0679a	M294	Hex Inverter Active Pull-Up;tpd 110ns.
82#	H118D6	6		MON	8.0%	6 0*	0.0	16	80mΔ	-40	85	K0679a	M294	Hex Inverter Active Pull-Up;tpd 110ns.
83#	H119D1	6		MON	8.0%	6.0*	0.0	20	120mΔ	0	75	K06132	M200m	Hex Inverter Active Pull-Up;tpd 110ns.
84#	H119D6	6		MON	8.0%	6.0*	0.0	16	80mΔ	-40	85	K06132	M200m	Hex Inverter Active Pull-Up;tpd 110ns.
85	MC14049AL	6		MOS	9.99%	.01*†	0.0	10	5.0u	-55	125	K06144	M191	Hex Inverter/Buffer.
86	MC14049CL	6		MOS	9.99%	.01*†	0.0	10	50u	-40	85	K06144	M191	Hex Inverter/Buffer.
87	MC14049CP	6		MOS	9.99%	.01*†	0.0	10	50u	-40	85	K16144	M278	Hex Inverting/Buffer
88	MC14050AL	6		MOS	9 99%	.01*†	0.0	10	50u	-55	125	K06145	M191	Hex Non-Inverting/Buffer.
89	MC14050CL	6		MOS	9.99%	.01*†	0.0	10	50u	-40	85	K06145	M191	Hex Non-Inverting Buffer.
90	MC14050CP	6		MOS	9 99%	01*†	0.0	10	50u	-40	85	K06145	M278	Hex Non-Inverting Buffer.
91▼	MC14572AL	6		MOS	9.99%	.01*†	0.0	10	1.0u%	-55	125	K06148	M191	Hex;tpd 25nst;tr 75ns max;tf 110ns max.
92▼	MC14572CL	6		MOS	9.99%	.01*†	0 0	10	10u%	-40	85	K06148	M191	Hex;tpd 25nst;tr 75ns max;tf 110ns max.
93▼	MC14572CP	6		MOS	9.99%	.01*†	0.0	10	10u%	-40	85	K06148	M278	Hex;tpd 25nst;tr 75ns max;tf 110ns max.
94	R107	6	2 0M	PCB	-3.0	0.0	15	10	457m	-20	65	K0648	CB31	Fan In-2Δ; Fan Out-18; DTL; 7 Ckts.
95	B104	6	10M	PCB	-3.0	0.0	15	0	570m	-20	85	K0646c	CB31	Inv;Fl-1;FO-17;Prop Dly.-12ns;RCT-4Ckt.
96	B105	6	10M	PCB	-3.0	0.0	15	0	870m	-20	65	K0647	CB31	Fl-1;FO-17;Prop. Dly.-12ns;RCT;5 Ckts.
97	B681	6	10M	PCB	-3.0	0.0	15	0	2.0	-20	65	K0640	CB31	4 Ckts; 12mA Out.
98	UL53L#2	6		MOS	-3.5%	-9.0*	27	0 0	120m†	0	70	K06120	M183a	Tpd 65ns;Input Cap 3 0pf.
99	CD4009AD	6		MOS	10	0.0†	0.0	10	5.0u%	-55	125	K06119	Δ001AE	Hex Buffer Inverter/Converter;tpd 55ns max
100	CD4009AE	6		MOS	10	0.0†	0.0	10	50u%	-40	85	K06119	Δ001AC	Hex Buffer Inverter/Converter;tpd 70ns max
101	CD4009AK	6		MOS	10	0.0†	0.0	10	5.0u%	-55	125	K06119	Δ004AG	Hex Buffer Inverter/Converter;tpd 55ns max
102▼	CD4069AE	6		MOS	10	0.0†	0.0	10	200m	-40	85	K06155	Δ001AB	Hex Inverter;tpd 25ns typ.
103	CM4009AD	6		MOS	10	0.0†	0.0	10	200m	-55	125	K06119	M210b	Hex Buffer Inverter;tpd 55ns max.
104	CM4009AE	6		MOS	10	0.0†	0.0	10	200m	-40	85	K06119	M210b	Hex Buffer Inverter;tpd 70ns max.
105	SCL4449AD	6		MOS	10	0.0†	0.0	10	200m	-55	125	K06143	Δ002AE	CMS Hex Inverter;tpd 55ns max.
106	SCL4449AE	6		MOS	10	0.0†	0 0	10	200m	-40	85	K06143	Δ001AC	CMS Hex Inverter;tpd 55ns max.
107	SCL4449AF	6		MOS	10	0.0†	0.0	10	200m	-55	125	K06143	Δ004AG	CMS Hex Inverter;tpd 55ns max.
108	INS4009S	6	10M	MOS	10	0.0†	0.0	10	15u%	-55	125	K06126	M330	CMS Six Inv.Buffers;tpd 5.0ns.
109	INS4010S	6	10M	MOS	10	0.0†	0.0	10	15u%	-55	125	K06127	M330	CMS Six Non Inv.Buffers;tpd 10ns.
110	UL03C	6	1 0M%	MOS	11	1.0	30	.30		-55	125	K0679b		8 Ckts.,1000mV noise immunity.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	MC677L	6		MON	12 5%	1.5*†	0.0	15	342m	-30	75	K06113	M191	Hex Inverter with Strobe(Active Pullup)
2	MC677P	6		MON	12.5%	1.5*†	0.0	15	342m	-30	75	K06113	M278	Hex Inverter with Strobe(Active Pullup)
3	MC678L	6		MON	12.5%	1.5*†	0.0	15	288m	-30	75	K06113a	M191	W/Strobe (without Output Resistors).
4	MC678P	6		MON	12 5%	1.5*†	0.0	15	288m	-30	75	K06113a	M278	W/Strobe (Without Output Resistors).
5	MC680L,P%	6		MON	12.5%	1.5*†	0.0	15	246mt	-30	75	K06117a	TO116	6 ckts;DTL;tpd 110ns typ;FO10.
6	MC681L,P%	6		MON	12.5%	1.5*†	0.0	15	192mt	-30	75	K06117	TO116	6 ckts;DTL;tpd 125ns typ;FO10.
7	MC689L,P%	6		MON	12 5%	1.5*†	0.0	15	173mt	-30	75	K06133	TO116	Hex,6 ckts;tpd 150nst;FO10.
8	MC690L,P%	6		MON	12 5%	1.5*†	0.0	15	173mt	-30	75	K06134	TO116	Hex;6 ckts;tpd 150nst;FO10ns.
9▼	HD1A4810-9	6		MOS	15	0.0	0.0	15	200m	-40	85	K06150a	TO116	Triple True/Complement Buffer;tpd 225nsmax
10▼	HD1W4804-9	6		MOS	15	0.0	0.0	15	200m	-40	85	K06151	M200q	3 State Hex Buffer;tpd 225ns max.
11▼	HD1W4805-9	6		MOS	15	0.0	0.0	15	200m	-40	85	K06152	M200q	3 State Hex Buffer;tpd 225ns max.
12▼	HD1W4806-9	6		MOS	15	0.0	0.0	15	200m	-40	85	K06150	M200q	Triple True/Complement Buffer;tpd 225nsmax
13▼	HD1W4807-9	6		MOS	15	0.0	0.0	15	200m	-40	85	K06153	M200q	3 State Hex Buffer;tpd 225ns max.
14♦	HD1A4809-9	6	10M	MOS	15	0.0	0.0	15	200m	-40	85	K06128	TO116	Triple True/Complement Buffer;tpd 150nsmax
15	HD1W4009-9	6	10M	MOS	15	0.0	0.0	15	200m	-40	85	K06126	M200q	Hex Buffer;tpd 150ns max.
16	HD1W4010-9	6	10M	MOS	15	0.0	0.0	15	200m	-40	85	K06127	M200q	Hex Buffer;tpd 150ns max.
17	HD1W4814-9	6	10M	MOS	15	0 0	0.0	15	200m	-40	85	K06146	M200q	Hex;tpd 130ns max.
18#	MIC5416J	6		MON	15%	.70†*	0.0	5.0	143mt	-55	125	K06115	TO116	Hex Inverter Buffer;tpd 23ns max.
19#	MIC5417J	6		MON	15%	.70†*	0.0	5.0	125mt	-55	125	K06115a	TO116	Hex Buffer;tpd 30ns max;I Load 40mA.
20#	MIC6416J	6		MON	15%	.70†*	0.0	5.0	143mt	-40	85	K06115	TO116	Hex Inverter Buffer;tpd 23ns max.
21#	MIC6417J	6		MON	15%	.70†*	0.0	5.0	125mt	-40	85	K06115a	TO116	Hex Buffer;tpd 30ns max;I Load 40mA.
22#	MIC7416J	6		MON	15%	.70†*	0.0	5.0	143mt	0	75	K06115	TO116	Hex Inverter Buffer;tpd 23ns max.
23#	MIC7416N	6		MON	15%	.70†*	0.0	5.0	143mt	0	75	K06115	M126	Hex Inv;tpd 23ns max.
24#	MIC7417J	6		MON	15%	.70†*	0.0	5.0	125mt	0	75	K06115a	TO116	Hex Buffer;tpd 30ns max;I Load 40mA.
25#	MIC7417N	6		MON	15%	.70†*	0.0	5.0	125mt	0	75	K06115a	M126	Hex Inv;tpd 30ns max;ILoad 40mA.
26▼	HD1A4810-2	6		MOS	18	0.0	0.0	18	200m	-55	125	K06150a	TO116	Triple True/Complement Buffer,tpd 150nsmax
27▼	HD1W4804-2	6		MOS	18	0.0	0.0	18	200m	-55	125	K06151	M200q	3 State Hex Buffer;tpd 150ns max.
28▼	HD1W4806-2	6		MOS	18	0.0	0.0	18	200m	-55	125	K06150	M200q	Triple True/Complement Buffer;tpd 150nsmax
29▼	HD1W4807-2	6		MOS	18	0.0	0 0	18	200m	-55	125	K06153	M200q	3 State Hex Buffer;tpd 150ns max.
30▼	HD1W4808-2	6		MOS	18	0.0	0.0	18	200m	-55	125	K06154	M200q	3 State Hex Buffer;tpd 150ns max.
31♦	HD1A4809-2	6	10M	MOS	18	0.0	0 0	18	200m	-55	125	K06128	TO116	Triple True/Complement Buffer;tpd 80ns max
32	HD1W4009-2	6	10M	MOS	18	0.0	0.0	18	200m	-55	125	K06126	M200q	Hex Buffer,tpd 80ns max.
33	HD1W4010-2	6	10M	MOS	18	0.0	0.0	18	200m	-55	125	K06127	M200q	Hex Buffer;tpd 80ns max.
34	HD1W4814-2	6	10M	MOS	18	0.0	0.0	18	200m	-55	125	K06146	M200q	Hex;tpd 75ns max
35	HD1S235	6		MON	29%	1.0*†	0.0	5.0	17m§	-55	125	K0684a	M75k	Hex Interface Driver
36	HD1S535	6		MON	29%	1.0*†	0.0	5.0	17m§	0	75	K0684a	M75k	Hex Interface Driver.
37	HD9V235	6		MON	29%	1 0*†	0.0	5 0	17m§	-55	125	K0684a	TO86	Hex Interface Driver
38	HD9V535	6		MON	29%	1.0*†	0.0	5 0	17m§	0	75	K0684a	TO86	Hex Interface Driver.
39#	MIC5406J	6		MON	30%	.70†*	0.0	5.0	143mt	-55	125	K06115	TO116	Hex Inverter Buffer;tpd 23ns max.
40#	MIC5407J	6		MON	30%	.70†*	0.0	5.0	125mt	-55	125	K06115a	TO116	Hex Buffer;tpd 30ns max;I Load 40mA.
41#	MIC6406J	6		MON	30%	.70†*	0.0	5.0	143mt	-40	85	K06115	TO116	Hex Inverter Buffer,tpd 23ns max.
42#	MIC6407J	6		MON	30%	.70†*	0.0	5.0	125mt	-40	85	K06115a	TO116	Hex Buffer;tpd 30ns max;I Load 40mA.
43#	MIC7406J	6		MON	30%	.70†*	0.0	5.0	143mt	0	75	K06115	TO116	Hex Inverter Buffer;tpd 23ns max.
44#	MIC7406N	6		MON	30%	70†*	0.0	5.0	143mt	0	75	K06115	M126	Hex Inv;tpd 23ns max.
45#	MIC7407J	6		MON	30%	.70†*	0.0	5 0	125mt	0	75	K06115a	TO116	Hex Buffer;tpd 30ns max;I Load 40mA.
46#	MIC7407N	6		MON	30%	.70†*	0 0	5.0	125mt	0	75	K06115a	M126	Hex Inv;tpD 30ns max;ILoad 40mA.
47#	SP704AE	7		MOS			30	5.0	80mt	0	70	K0540a	M54b	TTL-MOS Anal.Sw. and Logic Dr.
48#	SP704AF	7		MOS			30	5.0	80mt	0	70	K0540a	FP21	TTL-MOS Anal.Sw. and Logic Dr.
49#	SP704BE	7		MOS			20	5.0	43mt	0	70	K0540a	M54b	TTL-MOS Anal.Sw and Logic Dr.
50#	SP704BF	7		MOS			20	5.0	43mt	0	70	K0540a	FP21	TTL-MOS Anal.Sw. and Logic Dr.
51	W700	7	40	PCB			15	10	465m	-20	65	K0712	CB31	6 Ckts;Mech. Switch Input Converter.
52	W510	7	2.0M	PCB			15	10	335m	-20	65	K0710	CB31	3 Ckts;2,1 or 0 in equals 0 and -3 out.
53	MOS6P	7	5.0M	PCB				5	400m	0	70			Six output level shifters
54	W600	7	2.0M	PCB	0 0	-3.0	15	10	498m	-20	65	K0711	CB31	3 Ckts, -1 to -15V Out.
55	W601	7	2.0M	PCB	0.0	-3.0	15	10	120m	-20	65	K0711a	CB31	3 Ckts; -1 to -20V Out.
56	MC317F	7		MON	-.75	-1.6	5 2	0.0	35m	-55	125	K0738	TO91	Level Translator,ETC to Sat. Logic
57	MC317G	7		MON	-.75	-1.6	5.2	0 0	35m	-55	125	K0738	CN9	Level Translator;ETC to Sat. Logic.
58	MC318F	7		MON	-.75	-1.6	5.2	6	105m	-55	125		TO91	Saturated Logic Level to .75V and 1 55V
59	MC318G	7		MON	-.75	-1.6	5 2	6	105m	-55	125		CN9	Saturated Logic Level to .75V and 1.55V
60	MC367F	7		MON	-.75	-1.6	5.2	0.0	35m	0	75	K0738	TO91	Level Translator;ETC to Sat. Logic.
61	MC367G	7		MON	-.75	-1.6	5.2	0.0	35m	0	75	K0738	CN9	Level Translator;ETC to Sat. Logic.
62	MC368F	7		MON	-.75	-1.6	5.2	6	105m	0	75			Saturated Logic Level to .75V and 1.55V.
63	MC368G	7		MON	-.75	-1.6	5.2	6	105m	0	75		CN9	Saturated Logic Level to .75V and 1.55V.
64	MC1017P	7		MON	-.75	-1 6	5 2	0 0	105mt	0	75	K0748	TO116	Saturated Logic To MECL.
65	MC1018P	7		MON	-.75	-1.6	5.2	0 0	55mt	0	75	K0749	TO116	MECL To Saturated Logic.
66	MC1039P	7		MON	-.75	-1.6	5.2	0 0	200mt	0	75	K0761	M278	Quad;MECL To Saturated Logic.
67	MC1067P	7		MON	-.75	-1.6	5 2	0.0	300mt	0	75	K0769	M278	Quad;MTTL To MECL Translator W/Strobe
68	MC1068P	7		MON	-.75	-1.6	5.2	0 0	340mt	0	75	K0770	M278	Quad MECL to MTTL Tranl.w/Totem-Pole Outp.
69	MC1217F	7		MON	-.75	-1 6	5.2	0.0	105mt	-55	125	K0748	TO86	Saturated Logic To MECL.
70	MC1217L	7		MON	- 75	-1 6	5.2	0.0	105mt	-55	125	K0748	TO116	Saturated Logic to MECL.
71	MC1218F	7		MON	-.75%	-1.6*	5.2	0 0	55mt	-55	125	K0749	TO86	MECL to DTL,tpd 19nst;FO 7.
72	MC1218L	7		MON	-.75%	-1.6*	5.2	0.0	55mt	-55	125	K0749	TO116	MECL to Saturated Logic.
73	MC1239F	7		MON	- 75	-1.6	5.2	0.0	200mt	-55	125	K0761	FP85	MECL To Saturated Logic,Quad Translator.
74	MC1239L	7		MON	-.75	-1 6	5 2	0.0	200mt	-55	125	K0761	TO116	MECL To Saturated Logic Quad Translator.
75	MC1267F	7		MON	-.75	-1 6	5.2	0.0	300mt	-55	125	K0769	FP85	Quad MTTL To MECL Translator W/Strobe.
76	MC1267L	7		MON	-.75	-1.6	5.2	0.0	300mt	-55	125	K0769	M191	Quad MTTL To MECL Translator W/Strobe.
77	MC1268F	7		MON	-.75	-1 6	5.2	0 0	340mt	-55	125	K0770	FP85	Quad MECL to MTTL Transl.w/Totem-Pole Outp
78	MC1268L	7		MON	-.75	-1 6	5 2	0.0	340mt	-55	125	K0770	M191	Quad MECL to MTTL Transl.w/Totem-Pole Outp
79#	SP1039	7		MON	- 75	-1 6†	5.2	0 0	200mt	0	75	K0761	M200g	Quad Translator(PECL to Saturated Logic).
80#	SP1239	7		MON	- 75	-1.6†	5.2	0.0	200mt	-55	125	K0761	M200g	Quad Translator(PECL to Saturated Logic)
81	N1017A	7	30M	MON	-.77	-1.6	5.2	5.0	105m	0	75			Dual DTL to ECL Translator.
82	N1039B	7	40M	MON	-.77	-1.6	5 2	5.0	200m	0	75			Quad ECL to DTL/TTL Translator
83	N1068B	7	70M	MON	-.77	-1.6	5.2	5.0	360m	0	75			Quad ECL to TTL Translator.
84	10124F	7	80M	MON	-.85	-1.7	5 2	5.0	340m	-30	85	K15437	M153a	Quad TTL to ECL Translator.
85▼	MC10524F	7		MON	-.93%	-1.6*†	5.2	0.0	380mt	-55	125	K0771	FP85	Quad MTTL to MECL Translator.
86	MC10524L	7		MON	-.93%	-1.6*†	5.2	0 0	380mt	-55	125	K0771	M191	Quad MTTL to MECL Translator.
87♦	MC10124L	7		MON	-.96%	-1.6*†	5 2	0.0	380mt	-30	85	K0771	M191	Quad MTTL to MECL Translator.
88♦	MC10124P	7		MON	-.96%	-1.6*†	5 2	0.0	380mt	-30	85	K0771	M278	Quad MTTL to MECL Translator.
89	NC612	7		MOH	1.8%	.80*	27	5.0	1 2	-55	125	K0760	CN48e	Dual Universal Voltage Translator.
90	PC612	7		MOH	1.8%	.80*	27	5.0	1.2	-55	125	K0760	FP39b	Dual Universal Voltage Translator.
91	782	7	5 0MΔ	PCB	2 0%	45*	12	12		0	70	K0733	CB50	8 Ckt, Input 15V to -15V.
92	DH0034CD	7			2 0%	80*	0.0	5.0	800m	0	85	K15406	M105aq	Dual;TTL/DTL to CML/MOS;Tran time 65ns max
93	DH0034CH	7			2.0%	.80*	0.0	5.0	800m	0	85	K15406	CN23b	Dual TTL/DTL to CML/MOS,Tran time 65ns max
94	DH0034D	7			2 0%	.80*	0.0	5.0	800m	-55	125	K15406	M105aq	Dual,TTL/DTL to CML/MOS,Tran time 60ns max
95	DH0034H	7			2 0%	.80*	0.0	5.0	800m	-55	125	K15406	CN23b	dual,TTL/DTL to CML/MOS;Tran time 60ns max
96#	FZH181	7		MON	2.0%	.80*	0.0	5.0		0	70	K0765	M126g	4 Ckts; LSL-TTL, Fan-in 2.
97#	FZH185	7		MON	2.0%	.80*	0.0	5.0		-25	85	K0765	M126g	4 Ckts; LSL-TTL, Fan-in 2.
98	DM7800H	7	2.0M	MON	2.0%	80*	0	7		-55	125	K0756	CN63	Dual TTL/MOS Translator.
99	DM8800H	7	2.0M	MON	2.0%	.80*	0	7		0	70	K0756	CN63	Dual TTL/MOS Translator.
100	MLC2	7	2.0M	PCB	2.0%	.95*	24	5		0	70	K0753	CB37c	plus 5V in equal -3 to -24V out.
101	D4023	7	5 0M	PCB	2 0%	95*	0	5	270m	0	75		CB☑	Eight gated, Input level converter.
102	D4024	7	5.0M	PCB	2.0%	.95*	0	5	620m	0	75		CB☑	Eight gated, Output level converter.
103	MC54468F	7		MON	2.4%	.40*†	0 0	5.0	150mt	-55	125	K0773	TO86	2MOS-To-TTL Level Trans W/Tri-State Out
104	MC54468L	7		MON	2 4%	.40*†	0.0	5.0	150mt	-55	125	K0773	TO116	2MOS-To-TTL Level Trans W/Tri-State Out
105	10125F	7	70M	MON	2.4	.50†	5 2	5.0	360m	-30	85	K15438	M153a	Quad ECL to TTL Translator
106	MC74468F	7		MON	2 5%	.40*†	0.0	5 0	150mt	0	75	K0773	TO86	2MOS-To-TTL Level Trans W/Tri-State Out
107	MC74468L,P%	7		MON	2.5%	.40*†	0.0	5.0	150mt	0	75	K0773	TO116	2MOS-To-TTL Level Trans W/Tri-State Out
108	MC10125L	7		MON	2.5%	.50*†	5 2	0.0	360mt	-30	85	K0772	M191	MECL-to-MTTL Translator.
109	MC10125P	7		MON	2.5%	.50*†	5.2	0.0	380mt	-30	85	K0772	M278	Quad MECL to MTTL Translator
110▼	MC10525F	7		MON	2 5%	.50*†	5.2	0 0	380mt	-55	125	K0772	FP85	Quad MECL to MTTL Translator.

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	[5] TYPE No.	[1] USE	[4] MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL [2] '1' (V)	LOGIC LEVEL [3] '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	MC10525L	7		MON	2.5%	50*†	5 2	0.0	380m†	-55	125	K0772	M191	Quad MECL to MTTL Translator.
2	MLC3	7	2.0M	PCB	2.5%	.50*	0	24		0	70	K0754	CB37c	plus 5V in equal 3 to 24V out.
3	L50	7			2.6%	50*	0	5		0	60			0 in-COM out;1 in- -6V out.
4	L51	7			2.6%	.50*	0	5		0	60			-.50 to .50 in-0 out;-12 to -6V in-1 out.
5	MLC4	7	2.0M	PCB	3.0%	.45*	5	5		0	70	K0755	CB37c	3 to 16V in equal 5V out.
6	MC665L,P%	7		MON	3.1%	40*†	0 0	15	104m†	-30	75	K0757	TO116	Triple Level Translator;IO 3.0mA;tpd 30ns.
7#	TL665L	7		MON	3.1%	40†*	0 0	15	104m†	-30	75	K0757	M157a	Triple Level Translator;IO 3.0mA;tpd 30ns
8#	TL665P	7		MON	3.1%	40†*	0 0	15	104m†	-30	75	K0757	M114f	Triple Level Translator;IO 3.0mA;tpd 30ns
9	MOS10N	7	250k	PCB	5 0	0.0		5.0	1.0	0	70	K0740	CB53	Ten Output Level Shifters.
10	MIS8	7	1.0M	PCB	5 0	0 0	0	5	300m	0	70		CB53	Eight input level shifters
11	MOS10P	7	2 0M	PCB	5 0	0.0		12	1.2	0	70	K0740a	CB53	Ten output level shifters.
12	550	7	5.0M	PCB	5.0	45	0	5		0	70	K0745	CB55	Output Converters;tr-40;tf-40nsec.
13	550A	7	5.0M	PCB	5.0	45	0	5		0	70	K0745	CB55	Output Converters;tr-30;tf-20nsec.
14	551	7	5.0M	PCB	5.0	.45	0	5		0	70	K0746	CB55	Input Converters.
15#	FZH161	7		MON	7 5%	4.5*	0.0	18		0	70	K0764	M117r	4 Ckts; LSL-TTL; Noise Rej. 5.0V.
16#	FZH165	7		MON	7.5%	4.5*	0.0	18		-25	85	K0764	M117r	4 Ckts; LSL-TTL; Noise Rej. 5.0V.
17#	SP701A	7		MOS	-2.7%	-.80*	25	0.0	80m†	0	70	K0539a	CN58a	TTL-MOS Analogue Sw. Drivers.
18#	SP701B	7		MOS	-2 7%	-.80*	20	0.0	60m†	0	70	K0539a	CN58a	TTL-MOS Analogue Sw. Drivers.
19#	SP702A	7		MOS	-2.7%	-.80*	25	0.0	80m†	0	70	K0539	CN58a	TTL-MOS Logic Drivers.
20#	SP702B	7		MOS	-2 7%	-.80*	20	0.0	60m†	0	70	K0539	CN58a	TTL-MOS Logic Drivers.
21#	SP703AE	7		MOS	-2.7%	-.80*	30	5.0	80m†	0	70	K0540	M54b	TTL-MOS Anal.Sw. and Logic Dr.
22#	SP703AF	7		MOS	-2 7%	-.80*	30	5.0	80m†	0	70	K0540	FP21	TTL-MOS Anal.Sw. and Logic Dr.
23#	SP703BE	7		MOS	-2.7%	-.80*	20	5.0	43m†	0	70	K0540	M54b	TTL-MOS Anal.Sw. and Logic Dr.
24#	SP703BF	7		MOS	-2.7%	- 80*	20	5.0	43m†	0	70	K0540	FP21	TTL-MOS Anal.Sw. and Logic Dr.
25	W511	7		PCB	-3.0†	0.0	15	10		-20	65	K0735	CB31	Converts 25 and -50V to 0.0 and -3.0V.
26	W520	7		PCB	-3.0†	0.0	15	10		-20	65		CB31	Differential 25 and -50V to 0 0 and -3.0V.
27	W602	7		PCB	-3.0	0.0	15	10		-20	65		CB31	Output of ±6.0V at 15mA.
28	MLC1	7	4.0M	PCB	-3%	.50*	5	5		0	70	K0752	CB37c	-3 to -16V in - plus 5V out.
29	CD4010AD	7		MOS	10	0.0†	0 0	10	5.0u%	-55	125	K0759	Δ001AE	Hex Buffer Converter,tpd 55ns max
30	CD4010AE	7		MOS	10	0.0†	0.0	10	50u%	-40	85	K0759	Δ001AC	Hex Buffer Converter;tpd 70ns max.
31	CD4010AK	7		MOS	10	0.0†	0.0	10	5 0u%	-55	125	K0759	Δ004AG	Hex Buffer Converter;tpd 70ns max
32	CD4049AD	7		MOS	10	0.0†	0.0	10	200m	-55	125	K0768	Δ002AE	Inverting Type Hex Buffer/Converter.
33	CD4049AE	7		MOS	10	0.0†	0.0	10	200m	-40	85	K0768	Δ001AC	Inverting Type Hex Buffer/Converter.
34	CD4049AK	7		MOS	10	0.0†	0 0	10	200m	-55	125	K0768	Δ004AG	Inverting Type Hex Buffer/Converter.
35	CD4050AD	7		MOS	10	0.0†	0.0	10	200m	-55	125	K0767	Δ002AE	Non-Inverting Hex Buffer/Converter.
36	CD4050AE	7		MOS	10	0.0†	0.0	10	200m	-40	85	K0767	Δ001AC	Non-Inverting Hex Buffer/Converter.
37	CD4050AK	7		MOS	10	0.0†	0 0	10	200m	-55	125	K0767	Δ004AG	Non-Inverting Hex Buffer/Converter.
38	CM4010AD	7		MOS	10	0.0†	0.0	10	200m	-55	125	K0759	M210b	Hex Buffer Converter;tpd 55ns max.
39	CM4010AE	7		MOS	10	0.0†	0.0	10	200m	-40	85	K0759	M210b	Hex Buffer Converter;tpd 70ns max.
40▼	CM4049AD	7		MOS	10	0 0†	0.0	15	200m	-55	125	K0768	Δ002AE	Inverting Type Hex Buffer/Converter.
41▼	CM4049AE	7		MOS	10	0 0†	0 0	15	200m	-40	85	K0768	Δ001AC	Inverting Type Hex Buffer/Converter.
42▼	CM4049AF	7		MOS	10	0.0†	0.0	15	200m	-55	125	K0768	Δ001AG	Inverting Type Hex Buffer/Converter.
43▼	CM4050AD	7		MOS	10	0 0†	0.0	15	200m	-55	125	K0767	Δ002AE	Non-Inverting Hex Buffer/Converter.
44▼	CM4050AE	7		MOS	10	0.0†	0.0	15	200m	-40	85	K0767	Δ001AC	Non-Inverting Hex Buffer/Converter.
45▼	CM4050AF	7		MOS	10	0.0†	0.0	15	200m	-55	125	K0767	Δ001AG	Non-Inverting Hex Buffer/Converter.
46▼	CM4104AD	7		MOS	10	0 0†	0.0	15	200m	-55	125	K0775	M☑	Quad Low to High Level Translator.
47▼	CM4104AE	7		MOS	10	0.0†	0.0	15	200m	-40	85	K0775	M☑	Quad Low to High Level Translator.
48▼	CM4104AF	7		MOS	10	0.0†	0.0	15	200m	-55	125	K0775	FP☑	Quad Low to High Level Translator.
49	M400	7		PCB	10	0.0	0.0	10	150u	-55	95		CB☑	Hex Buffer;Logic Level Conv.,Invert.type.
50	SCL4009AD	7		MOS	10	0 0	0.0	10	5.0u	-55	125		Δ001AE	Hex Buffer Logic Level Conv;Invert.Type
51	SCL4009AE	7		MOS	10	0 0	0.0	10	5 0u	-40	85		Δ001AC	Hex Buffer Logic Level Conv;Invert.Type.
52	SCL4009AF	7		MOS	10	0 0	0.0	10	5.0u	-55	125		Δ001AG	Hex Buffer Logic Level Conv,Invert.Type.
53	SCL4010AD	7		MOS	10	0 0	0.0	10	5 0u	-55	125	K0759	Δ001AE	Hex Buffer Logic Level Conv;Non Inver.Type
54	SCL4010AE	7		MOS	10	0.0	0.0	10	5.0u	-40	85	K0759	Δ001AC	Hex Buffer Logic Level Conv;Non Inver.Type
55	SCL4010AF	7		MOS	10	0 0	0.0	10	5 0u	-55	125	K0759	Δ001AG	Hex Buffer Logic Level Conv;Non Inver.Type
56	SCL4049AD	7		MOS	10	0 0†	0.0	10	200m	-55	125	K0768	Δ002AE	Inv Type Hex Buffer/Converter;tpd 10ns.
57	SCL4049AE	7		MOS	10	0.0†	0.0	10	200m	-40	85	K0768	Δ001AC	Inv Type Hex Buffer/Converter;tpd 10ns.
58	SCL4049AF	7		MOS	10	0.0†	0.0	10	200m	-55	125	K0768	Δ004AG	Inv Type Hex Buffer/Converter;tpd 10ns.
59	SCL4050AD	7		MOS	10	0.0†	0.0	10	200m	-55	125	K0767	Δ002AE	Non-Inv Hex Buffer/Converter;tpd 10ns.
60	SCL4050AE	7		MOS	10	0.0†	0.0	10	200m	-40	85	K0767	Δ001AC	Non-Inv Hex Buffer/Converter;tpd 10ns.
61	SCL4050AF	7		MOS	10	0.0†	0.0	10	200m	-55	125	K0767	Δ004AG	Non-Inv Hex Buffer/Converter;tpd 10ns.
62	MC666L,P%	7		MON	12.5%	1 5*†	0.0	15	105m†	-30	75	K0758	TO116	Triple LEVEL Translator;IO 3.0mA;tpd 30ns.
63#	TL666L	7		MON	12 5%	1.5†*	0.0	15	105m†	-30	75	K0758	M157a	Triple Level Translator;Fan Out 10.
64#	TL666P	7		MON	12 5%	1 5†*	0.0	15	105m†	-30	75	K0758	M114f	Triple Level Translator;Fan Out 10.
65	D4412	7	3 0M		13	1 5	1.0	18		0	50			Noise Rej. 5.0V max.
66	D4413	7	3.0M		13	1.5	1.0	18		0	50			Noise Rej. 5 0V max.
67	MC10127L	7		MON	14%	50*†	5.2	0 0		-30	85	K0774	M191	Dual MECL to MOS Translator
68	W501	9	2.0M	PCB			15	10	525m	-20	65	K0921	CB31	-IN equals GND out;GND IN equals -3Vout.
69	MC9709P	9	18M%	MON			0.0	3.6	95m†	15	55	K09102	TO116	Quad Schmitt Trigger;RTL;tr And tf 20ns.
70	MC9809P	9	18M%	MON			0.0	3.6	95m†	0	75	K09102	TO116	Quad Schmitt Trigger;RTL,tr and tf 20ns.
71▼	ULN3303M	9		MON	56%	58*	0.0	5.0	750m	-40	100	K09111	M391	Threshold Detector w/Complementary Outputs
72▼	ULN3304M	9		MON	.56%	.58*	0.0	5 0	750m	-40	100	K09112	M391	Detector w/Zener Clamped Output.
73▼	ULN3305M	9		MON	56%	58*	0 0	5.0	750m	-40	100	K09111a	M391	Dual Detector/wComplementary Outputs.
74▼	ULN3306M	9		MON	.56%	.58*	0.0	5 0	750m	-40	100	K09112a	M391	Dual Detectorw/1 Out Zener Clamp.
75	MC1035P	9		MON	-.75%	-1.6*	5 2	0.0	300m†	0	75	K15159	TO116	Dual Schmitt Trigger/Triple Diff. Amp.
76	MC1235F	9		MON	-.75%	-1 6*	5.2	0 0	300m†	-55	125	K15159	TO86	Dual Schmitt Trigger/Triple Diff. Amp.
77	MC1235L	9		MON	-.75%	-1.6*	5.2	0.0	300m†	-55	125	K15159	TO116	Dual Schmitt Trigger/Triple Diff. Amp.
78	SNG83J	9		MON	1.4	.80	0.0	5 0	15m	0	75	K0944	M157b	Fan Out 5;Vout 3.3;250m resp;tpd 12ns.
79	SNG83W	9		MON	1 4	.80	0.0	5.0	15m	0	75	K0944	Δ004AF	Fan Out 5;Vout 3.3;250m resp;tpd 12ns.
80	SNG80J	9	20M	MON	1 4	.80	0.0	5 0	15m	-55	125	K0944	M157b	Fan Out 12;Vout 3.3;250m resp;tpd 12ns.
81	SNG80W	9	20M	MON	1 4	.80	0 0	5.0	15m	-55	125	K0944	Δ004AF	Fan Out 12,Vout 3.3;250m resp;tpd 12ns.
82	SNG81J	9	20M	MON	1.4	80	0.0	5 0	15m	-55	125	K0944	M157b	Fan Out 6;Vout 3.3;250m resp;tpd 12ns.
83	SNG81W	9	20M	MON	1.4	80	0.0	5.0	15m	-55	125	K0944	Δ004AF	Fan Out 6;Vout 3.3;250m resp;tpd 12ns.
84	SNG82J	9	20M	MON	1.4	.80	0.0	5.0	15m	0	75	K0944	M157b	Fan Out 10;Vout 3.3;250m resp;tpd 12ns.
85	SNG82W	9	20M	MON	1 4	.80	0.0	5.0	15m	0	75	K0944	Δ004AF	Fan Out 10;Vout 3.3;250m resp;tpd 12ns.
86	TRWG80#1	9	20M	MON	1 4	.80	0 0	5.0	15m	-55	125	K0944	M157	Fan Out 12;Vout 3.3V;250m resp.
87	TRWG80#2	9	20M	MON	1.4	80	0 0	5.0	15m	-55	125	K0944	M126	Fan Out 12;Vout 3.3V;250m resp.
88#	FJL131	9		MON	1.7	90	0.0	5 0	85m†	0	70	K09106	TO116	Fan Out 10 max;tpd 17ns;Hysteresis 800mV.
89#	M53213P	9		MON	1.7	.90	0 0	5.0	180m%	0	75		M105j	tpd(1) 35ns max;Hysteresis 800mV.
90	SN5413N	9		MON	1 7	.90	0.0	5.0	180m%	-55	125		M126a	tpD(1) 35ns max;Hysteresis 800mV.
91#	FLH351-7413	9	10M%	MON	1.7	90	0.0	5 0	180m§	0	70	G043q	M126p	Dual Nand Gates;tpd 27ns max.
92#	FLH355-8413	9	10M%	MON	1.7	90	0.0	5.0	180m§	-25	85	G043q	M126p	Dual Nand Gates;tpd 27ns max
93♦	SN7413N	9	20M	MON	1 7	.90	0.0	5.0	180m%	0	70	K09105	M126e	Dual 4-in TTL Schmitt 800mV Hysteresis.
94	624	9	5.0MΔ	PCB	2 0%	.45*	12	12		0	70	K0937	CB50	4 Ckt; Trigger Level ± 5V.
95	848Δ	9	5.0MΔ	PCB	2.0%	.45*	12	12		0	70	K0938	CB50	2 Ckts,Trigger Level ±5.0V
96#	SFC4132E	9		MON	2 0%	.70*	0.0	5.0	170m	0	70	K09106a	TO116	Quad NAND TTL Schmidt;tpd 35ns max
97#	SFC4132EM	9		MON	2 0%	.70*	0.0	5.0	170m	-55	125	K09106a	TO116	Quad NAND TTL Schmidt;tpd 35ns max.
98#	SFC4132ET	9		MON	2.0%	70*	0.0	5.0	170m	-25	85	K09106a	TO116	Quad NAND TTL Schmidt;tpd 35ns max.
99#	SFC4132KM	9		MON	2.0%	.70*	0.0	5.0	170m	-55	125	K09106a	TO116	Quad NAND TTL Schmidt;tpd 35ns max.
100#	SFC4132PM	9		MON	2.0%	.70*	0.0	5.0	170m	-55	125	K09106a	TO85	Quad NAND TTL Schmidt;tpd 35ns max.
101#	FLH601-74132	9		MON	2 0%	80*	0.0	5.0	170m†	0	70	K09109	M126p	Quadruple Schmitt-Trigger;Hysteresis 800mV
102#	FLH605-84132	9		MON	2.0%	.80*	0 0	5.0	170m†	-25	85	K09109	M126p	Quadruple Schmitt-Trigger;Hysteresis 800mV
103#	MIC5413J	9		MON	2.0%	80*	0 0	5.0	85m†	-55	125	K09104	TO116	Dual Nand 4 Input;tpd 17ns;Fan Out 10
104#	MIC6413J	9		MON	2 0%	80*	0.0	5.0	85m†	-40	85	K09104	TO116	Dual Nand 4 Input;tpd 17ns;Fan Out 10.
105#	MIC7413J	9		MON	2.0%	80*	0.0	5.0	85m†	0	75	K09104	TO116	Dual Nand 4 Input;tpd 17ns;Fan Out 10.
106#	MIC7413N	9		MON	2.0%	80*	0 0	5.0	85m†	0	75	K09104	M126	Dual Nand 4 Input;tpD 17ns;Fan Out 10.
107#	SFC413E	9		MON	2.4	40	0.0	5.0		0	70		TO116	Dual 4 in TTL Schmitt 800mV hysteresis.
108#	SFC413EM	9		MON	2.4	.40	0.0	5.0		-55	125		TO116	Dual 4 in TTL Schmitt 800mV hysteresis.
109#	SFC413ET	9		MON	2 4	.40	0 0	5.0		-25	85		TO116	Dual 4 in TTL Schmitt 800mV hysteresis.
110#	SFC413PM	9		MON	2.4	40	0.0	5.0		-55	125		TO85	Dual 4 in TTL Schmitt 800mV hysteresis.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

LINE No.	5 TYPE No.	1 USE	4 MAX OPER-ATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	SW5413J	9		MON	2 4	40	0.0	5.0	176m	-55	125	K09105	TO116	Dual Schmitt Nand Gate.
2	SW7413J	9		MON	2 4	.40	0 0	5.0	168m	0	70	K09105	TO116	Dual Schmitt Nand Gate.
3	SW7413N	9		MON	2.4	40	0.0	5.0	168m	0	70	K09105	M105n	Dual Schmitt Nand Gate.
4	SN5413J	9	20M	MON	2.4	.40	0.0	5.0	176m	-55	125	K09105	M157b	Dual 4-in TTL Schmitt 800mV Hysteresis.
5♦	SN5413W	9	20M	MON	2.4	.40	0.0	5.0	126m	-55	125	K09105	Δ004AA	Dual 4-in TTL Schmitt 800mV Hysteresis.
6	SN7413J	9	20M	MON	2 4	.40	0.0	5.0	168m	0	70	K09105	M157b	Dual 4-in TTL Schmitt 800mV Hysteresis.
7	SN7413W	9	20M	MON	2.4	.40	0 0	5.0	168m	0	70	K09105	Δ004AD	Dual 4-in TTL Schmitt 800mV Hysteresis.
8	TRW7413#1	9	20M	MON	2.4	.40	0.0	5.0	168m	0	70	K09105	M126	Dual 4 in TTL Schmidt;800mV Hystersis.
9	TRW7413#2	9	20M	MON	2.4	.40	0.0	5.0	168m	0	70	K09105	M157	Dual 4 in TTL Schmidt;800mV Hystersis.
10#	FCL101	9	5.0M	MON	2.5%	.4*†	0	6	19m	0	75	K0920a	TO116	Schmitt Trigger.
11#	TL7413N	9		MON	3.3	.22†	0.0	5 0	168m†	0	70	K09104	M126n	Nand Schmitt Trigger;tpd 35ns max.
12#	TL8413N	9		MON	3.3	.22†	0.0	5 0	168m†	-25	85	K09104	M126n	Nand Schmitt Trigger,tpd 35ns max.
13	MST1	9	5.0M	PCB	4.0%	5*†	5	5		0	70	K09101	CB37c	Schmitt Trigger
14	MST2	9	2 0M	PCB	5.0	0.0	16	16	520m	0	70	K0945		Two Schmitt Triggers
15	541	9	5.0M	PCB	5.0	.45	0	5		0	70	K0946	CB55	
16	LCE311	9	3.0M	MOH	6.0	0 0†	6	12	180m	-40	100	K0922	CN27	tr-15ns; tf-15ns.
17	367AJ	9		MON	6.5*	5.0%	0.0	15	864m†	-30	70	K09108	M319	Quad;Active Pullup;Isink 20mA max.
18	367AL	9		MON	6.5*	5.0%	0.0	15	864m†	-30	70	K09108	M200j	Quad;Active Pullup;Isink 20mA max.
19	367BL	9		MON	6.5*	5 0%	0.0	12	468m†	-30	85	K09108	M200j	Quad;Active Pullup;Isink 20mA max
20	367CJ	9		MON	6.5*	5.0%	0.0	12	468m†	-30	85	K09108	M319	Quad;Active Pullup;Isink 20mA max.
21	367CL	9		MON	6.5*	5.0%	0.0	12	468m†	-30	85	K09108	M200j	Quad,Active Pullup;Isink 20mA max.
22	367ML	9		MON	6.5*	5.0%	0.0	15	864m†	-30	70	K09108	M200j	Quad,Active Pullup;Isink 20mA max.
23	368AJ	9		MON	6 5*	5.0%	0.0	15	800m†	-30	70	K09108	M319	Quad;Open Collector;Isink 20mA max
24	368AL	9		MON	6.5*	5 0%	0.0	15	800m†	-30	70	K09108	M200j	Quad;Open Collector;Isink 20mA max.
25	368BL	9		MON	6.5*	5.0%	0.0	12	429m†	-55	125	K09108	M200j	Quad;Open Collector;Isink 20mA max.
26	368CJ	9		MON	6.5*	5.0%	0.0	12	429m†	-30	85	K09108	M319	Quad;Open Collector;Isink 20mA max.
27	368CL	9		MON	6.5*	5 0%	0 0	12	429m†	-30	85	K09108	M200j	Quad;Open Collector;Isink 20mA max.
28	368ML	9		MON	6.5*	5.0%	0 0	15	800m†	-55	125	K09108	M200j	Quad;Open Collector;Isink 20mA max.
29#	FZH241	9	500k%	MON	7.5%	4 5*	0 0	15	144m†	0	70	K09107		Dual;Nand Schmitt Trigger.
30#	FZH245	9	500k%	MON	7.5%	4 5*	0.0	15	144m†	-25	85	K09107		Dual;Nand Schmitt Trigger.
31	MC14583AL	9		MOS	9.99%	.01*†	0.0	10	1.0u%	-55	125	K09110	M191	Dual;Output Rise and Fall times 100nsΔ.
32	MC14583CL	9		MOS	9.99%	01*†	0 0	10	10u%	-40	85	K09110	M191	Dual,Output Rise and Fall times 150nsΔ.
33	MC14583CP	9		MOS	9.99%	01*†	0.0	10	10u%	-40	85	K09110	M278	Dual;Output Rise and Fall times 150nsΔ.
34	T306	9	5.0M	3DM	-3.0	-11	12	0	215m	-55	71	K0914	M17	Squaring Amplifier
35	MC679BL,P%	10		MON		1.0*†	0.0	15	280m†	-30	75	K1039	TO116	Dual Lamp/Relay Driver,to 500ns;FO125.
36	MC679L,P%	10		MON		1.0*†	0.0	15	280m†	-30	75	K1039	TO116	Dual Lamp/Relay Driver;td 500ns;FO 125.
37	MC316F	10		MON	-.75	-1.6	5.2	0.0	105m	-55	125	K101	TO91	Lamp Driver;6.0V,OR,NOR Available.
38	MC316G	10		MON	-.75	-1.6	5.2	0.0	105m	-55	125	K101	CN9	Lamp Driver;6.0V;OR,NOR Available.
39	MC366F	10		MON	- 75	-1 6	5.2	0.0	105m	0	75	K1031	TO91	Lamp Driver;6.0V;OR,NOR Available
40	MC366G	10		MON	-.75	-1.6	5.2	0.0	105m	0	75	K1031	CN8	Lamp Driver;6.0V;OR,NOR Available.
41	SW729-1P	10		MON	1.8%	1.2*	0.0	5.0	44mt	-55	125	K1020	TO116	Lamp Driver;DTL
42	SW729-1T	10		MON	1.8%	1.2*	0	8	44m	-55	125	K1020	CN39	Lamp Driver;DTL
43	SW729-2M	10		MON	1.8%	1.2*	0.0	5 0	44mt	0	75	K1020	M105n	Lamp Driver,DTL
44	SW729-2P	10		MON	1.8%	1.2*	0.0	5.0	44mt	0	75	K1020	TO116	Lamp Driver;DTL
45	SI2001	10		MON	2.0	.30	0.0	8 0	600m	-55	125	K1036	TO100	Lamp/Relay driver;Latching Capability.
46	SI2401	10		MON	2 0	.30	0.0	8.0	600m	0	70	K1036	TO100	Lamp/Relay Driver;Latching Capability.
47	SI4401	10		MON	2 0	.30	0.0	8.0	750m	0	70	K1036a	TO86	Dual lamp/Relay Drivers.
48	SI4402	10		MON	2 0	.30	0.0	8.0	750m	0	70	K1036b	TO86	2 Lamp/Relay Drivers;Latching Capability.
49	D4036	10	5.0M	PCB	2 0%	.95*	0	5	180m	0	75		CB☑	Ten 100mA Gated Lamp Drivers.
50#	ZST2	10	2.5M%	MON	3.0	1 8%	0	4	210m	40	125	K1029	CN2	
51	CTS851	10	100k	MOH	3.0%	-5.0*	0	28	350m	-55	125	K1037	CN65	350mA Dual Relay/Lamp Driver
52	RG7523K	10		MON	3.4	.20	0	5.0	120m	0	75		FP21b	Lamp Driver;tpd-15nsec;Noise Margin-1.1V.
53	RG7520D	10	20M	MON	3.4	.40	0.0	5.0	120mt	-55	125	K1039a	M105m	Fo 60mA min;Ton 25ns max;Toff 18ns max.
54	RG7520K	10	20M	MON	3.4	.40	0 0	5.0	120mt	-55	125	K1039a	FP21b	Fo 60mA min;Ton 25ns max;Toff 18ns max.
55	RG7521D	10	20M	MON	3.4	.40	0.0	5.0	120mt	-55	125	K1039a	M105m	Fo 60mA min;Ton 25ns max;Toff 18ns max.
56	RG7521K	10	20M	MON	3.4	.40	0.0	5.0	120mt	-55	125	K1039a	FP21b	Fo 60mA min;Ton 25ns max;Toff 18ns max.
57	RG7522D	10	20M	MON	3.4	.40	0.0	5.0	120mt	0	75	K1039a	M105m	Fo 60mA min;Ton 25ns max;Toff 18ns max.
58	RG7522K	10	20M	MON	3.4	.40	0.0	5.0	120mt	0	75	K1039a	FP21b	Fo 60mA min;Ton 25ns max;Toff 18ns max.
59	RG7523D	10	20M	MON	3.4	40	0 0	5.0	120mt	0	75	K1039a	M105m	Fo 60mA min;Ton 25ns max;Toff 18ns max.
60	RG7540D	10	20M	MON	3.4	40	0.0	5.0	60mt	-55	125	K1039b	M105m	Fo 60mA min;Ton 25ns max;toff 18ns max.
61	RG7540K	10	20M	MON	3.4	.40	0.0	5.0	60mt	-55	125	K1039b	FP21b	Fo 60mA min;Ton 25ns max;toff 18ns max.
62	RG7541D	10	20M	MON	3.4	.40	0.0	5.0	60mt	-55	125	K1039b	M105m	Fo 60mA min;Ton 25ns max;toff 18ns max.
63	RG7541K	10	20M	MON	3.4	40	0 0	5 0	60mt	-55	125	K1039b	FP21b	Fo 60mA min;Ton 25ns max;toff 18ns max.
64	RG7542D	10	20M	MON	3 4	.40	0.0	5.0	60mt	0	75	K1039b	M105m	Fo 60mA min;Ton 25ns max,toff 18ns max.
65	RG7542K	10	20M	MON	3 4	.40	0.0	5 0	60mt	0	75	K1039b	FP21b	Fo 60mA min;Ton 25ns max;toff 18ns max.
66	RG7543D	10	20M	MON	3.4	.40	0.0	5.0	60mt	0	75	K1039b	M105m	Fo 60mA min;Ton 25ns max;toff 18ns max
67	RG7543K	10	20M	MON	3.4	.40	0.0	5.0	60mt	0	75	K1039b	FP21b	Fo 60mA min,Ton 25ns max;toff 18ns max.
68	I401	10	5.0M	PCB	5 0	0.0	4.8	5.2	250m	0	70	K1035	CB☑	5 Ckts;Max Lamp On Current-250mA at 32V.
69	831☑	10	100k	PCB	5.0	.45	0 0	5.0		0	70	K1022	CB50	1 Ckt;BCD Counter and Decoder included.
70	831B	10	100k	PCB	5.0	.45	0.0	5.0		0	70	K1022	CB50	1 Ckt;BCD Counter and Decoder Included.
71▼	TNG5611F	10		MON	5.0	.60	0.0	5.0	60mt	-55	125	K1040	FP21c	Dual;tpd 14ns typ.
72▼	TNG5611J	10		MON	5.0	.60	0 0	5.0	60mt	-55	125	K1040	TO116	Dual;tpd 14ns typ.
73▼	TNG5612F	10		MON	5.0	.60	0.0	5.0	60mt	0	75	K1040	FP21c	Dual;tpd 14ns typ
74▼	TNG5612J	10		MON	5.0	.60	0.0	5.0	60mt	0	75	K1040	TO116	Dual;tpd 14ns typ.
75▼	TNG5613F	10		MON	5.0	.60	0.0	5.0	60mt	-55	125	K1040	FP21c	Dual;tpd 14ns typ.
76▼	TNG5613J	10		MON	5 0	.60	0.0	5.0	60mt	-55	125	K1040	TO116	Dual;tpd 14ns typ.
77▼	TNG5614F	10		MON	5.0	.60	0.0	5 0	60mt	0	75	K1040	FP21c	Dual,tpd 14ns typ
78▼	TNG5614J	10		MON	5.0	.60	0.0	5.0	60mt	0	75	K1040	TO116	Dual;tpd 14ns typ.
79	W050	10	2 0M	PCB	-3.0	0.0	15	10	116m	-20	55	K1011a	CB31	7 Ckts; 30mA Out max. each Ckt
80	W051	10	5.0M	PCB	-3.0	0.0	15	10	375m	-20	55	K1011	CB31	7 Ckts;100mA Out max. each ckt;Inverting
81	HXK21011	11		MOH			0	8	250m	-55	125	K1133	TO99	1 Ckt.;100V max. on Output.
82	HXK21019	11		MOH			0	8	250m	0	70	K1133	TO99	1 Ckt.;100V max. on Output.
83	MC1045P	11		MON	-.75%	-1.6*	5 2	0.0	178mt	0	75	K1137	M278	Decoder-Nixie Driver.
84	MC1245F	11		MON	-.75%	-1.6*	5.2	0.0	178mt	-55	125	K1137	FP85	Decoder-Nixie Driver.
85	MC1245L	11		MON	-.75%	-1.6*	5.2	0.0	178mt	-55	125	K1137	M191	Decoder-Nixie Driver.
86	NC2001C	11		MOH	1.95%	.45*	0.0	5.0	150m	0	70	K1135	TO100	High current lamp and relay driver
87	NC2001	11		MOH	2.0%	.40*	0.0	5.0	150m	-55	125	K1135	TO100	High current lamp and relay driver.
88	DM7880J	11		MON	2.0%	.80*	0.0	5.0	600m	-55	125	K1144	M200k	7 Segm.Decoder/Driver;tpd 10us max.
89	DM8880N16	11		MON	2.0%	.80*	0.0	5.0	600m	0	70	K1144	M126e	7 Seg.Decoder/Driver;tpd 10us max.
90	DM8880N	11		MON	2 0%	.80*	0.0	5.0	600m	0	70	K1144	M345	7 Segm.Decoder/Driver;tpd 10us max.
91	DM8885N	11		MON	2.0%	.80*	0.0	5.0	600m	0	70	K1146	M345	MOS to High Volt.Buffer;tpd 10us max.
92	DM8884AN	11		MON	2 0%	1 0*	0.0	5.0	600m	0	70	K1145	M347	High Volt.Decoder/Driver;tpd 10us max
93	NH0006	11		MOH	2.4	80*	0.0	28	30m	-55	125	K1131	CN59	Relay/Lamp Driver
94	NH0006C	11		MOH	2.4	.80*	0.0	28	30m	0	75	K1131	CN59	Relay/Lamp Driver.
95	L54	11			2.6%	.50*	0.0	5 0		0	60			
96	I313	11	5.0M	PCB	5.0	0.0	0.0	5.0	240m%			K1136	CB☑	Nixie driver; input load factor 1.
97	I406	11	5.0M	PCB	5.0	0.0	4.8	5.2	100m	0	70	K1132	CB☑	5 Ckts;Max.Lamp Current-10mA at 120V.
98	831A	11	100k	PCB	5 0	.45	0.0	5.0		0	70	K1128	CB50	1 Ckt;BCD Counter and Decoder Included.
99	CD4054AD	11		MOS	10	0.0†	0.0	5.0	200m	-55	125	K1138	Δ001AE	CMS Liquid Crystal Display;tpd 900ns max.
100	CD4054AE	11		MOS	10	0.0†	0.0	5.0	200m	-40	85	K1138	Δ001AC	CMS Liquid Crystal Display;tpd 1.2us max.
101	CD4054AH	11		MOS	10	0 0†	0.0	5.0	200m	-55	125	K1138	FC6a	CMS Liquid Crystal Display;tpD 900ns max.
102	CD4054AK	11		MOS	10	0.0†	0.0	5.0	200m	-55	125	K1138	Δ004AG	CMS Liquid Crystal Display;tpd 900ns max.
103	DM8861N	11		MON	10*	0.0	0.0	10	800m	0	70	K1142a	M347	MOS to LED 5 Segm Driver;tpd 100ns.
104	DM8863N	11		MON	10*	0.0	0 0	10	800m	0	70	K1143a	M347	MOS to LED 8 Digit Driver;tpd 300ns.
105	DM75491N	11		MON	10*	0.0	0.0	10	800m	0	70	K1142	M344	MOS to LED Quad Segment Driver;tpd 100ns.
106	DM75492N	11		MON	10*	0.0	0.0	10	800m	0	70	K1143	M344	MOS to LED Hex Digit Driver,tpd 300ns.
107	UHD490	11		MON	-28*	-24%	30	80	160mt	-55	125	K1141	M105ag	5 Digit Display Driver,Vo-80V;ton3.0usmax
108	UHD491	11		MON	-28*	-24%	30	80	160mt	-55	125	K1141a	M☑	6 Digit Display Driver;Vo-80V;ton3.0usmax
109	UHP490	11		MON	-28*	-24%	30	80	160mt	0	85	K1141	M126k	5 Digit Display Driver;Vo-80V;ton3.0usmax
110	UHP491	11		MON	-28*	-24%	30	80	160mt	0	85	J1141a	M☑	6 Digit Display Driver;Vo-80V;ton3.0usmax

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0' (4)MAX OPER FREQ(5)TYPE No.

LINE No.	[5] TYPE No.	[1] USE	[4] MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL [2] '1' (V)	LOGIC LEVEL [3] '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	UHD480	11		MON	130Ø	2.5†*				-55	125	K1140	M105ag	5 Segment Display Driver;Vo130V;tpd5usmax
2	UHD481	11		MON	130Ø	2.5†*				-55	125	K1140a	MØ	7 Segment Display Driver;Vo130V;tpd5usmax
3	UHP480	11		MON	130Ø	2.5†*				0	85	K1140	M126k	5 Segment Display Driver;Vo130V;tpd5usmax
4	UHP481	11		MON	130Ø	2.5†*				0	85	K1140a	MØ	7 Segment Display Driver;Vo130V;tpd5usmax
5	MONODRV01Y	11		MON	160	2.0†	0 0	145	500m	0	85	K1139	M105au	Display driver;tr1.0us;tf200n;IO7.5mA max
6	CH2001A	12		MOH				8.0	500mt	-25	75		M158d	Line,lamp,relay and/or interface driver.
7	W040	12	500k	PCB	0 0	-3 0	70	10	360m	-20	55	K1219	CB31	2 Ckt;600mA Out max
8	831Δ	12		PCB	1.8%	80*	0.0	8.0	467m	-55	125		CBØ	IL 1.0A;tf 200ns max;tr 3.0us max.
9	D4021	12	5.0M	PCB	2.0%	95*	0	5	220m	0	75		CBØ	Eight gated lamp relay drivers 250/mA/350
10	MRR1	12	100	PCB	2.5%	.50*	5 0	5.0		0	70	K1262	CB37c	Relays included, form A contacts.
11	CTS850	12	100k	MOH	3 0%	-5.0*	0	28	750m	-55	125	K1263	CN65	750mA Relay/Lamp Driver
12	I419	12	1.0M	PCB	5.0	0.0	4.8	5.2	500m	0	70		CBØ	SPST Relays Plus Drivers.
13	I420	12	1 0M	PCB	5.0	0 0	4.8	5.2	500m	0	70		CBØ	DPST Relays Plus Drivers.
14	I405	12	5.0M	PCB	5 0	0 0	4 8	5.2	325m	0	70	K1259	CBØ	5 Ckts;Max.Relay On Current-250mA at 32V.
15	W061	12		PCB	-3.0	0 0	15	10		-20	65	K1252	CB31	4 Ckt; Will Switch 2-55V at .25A.
16	W800	12	100k	PCB	-3 0	0 0	15	10		-20	65	K1253	CB31	Includes Reed and Relays;Form A
17	D4406	12	3.0M		13	1 5	1.0	18		0	50			
18	D4407	12	3.0M		13	1.5	1.0	18		0	50			
19▼	9028	15		3DM			15	15	330m§	-55	75			3 Mode Integrator,Acc. ± 1% max.
20	CH1070	15		MOS			28		500mt	-25	75		M158b	Dual clamp and blanking circuit.
21	CH1071	15		MOS			28		500mt	-25	75		M158c	Quad clamp;Clock clamping Res. 15Ω.
22	CTL100N3I-12	15		3DM			0	12	140m	0	55		M18e	Magnetic-Core Logic;And;Or,Inhibit;Not.
23	CTL100N3I24	15		3DM			0	24	280m		125		M18b	Magnetic-Core Logic;And,Or;Inhibit;Not.
24	CTL100P3I-12	15		3DM			0	12	140m	0	55		M18e	Magnetic-Core Logic;And;Or;Inhibit;Not.
25	CTL100P3I24	15		3DM			0	24	280m		125		M18b	Magnetic-Core Logic;And;Or;Inhibit;Not.
26	CTL100P/N12	15		3DM			0	12	140m	0	55		M18e	Magnetic-Core Logic,And;Or;Inhibit;Not.
27	CTL100P/N12S	15		3DM			0	12	150m		75		M18e	Magnetic-Core Logic;And;Or;Inhibit;Not.
28	CTL100P/N24	15		3DM			0	24	150m		125		M18	Magnetic-Core Logic;And;Or;Inhibit;Not.
29	CTL250N3I-12	15		3DM			0	12	250m		55		M18e	Magnetic-Core Logic;And;Or;Inhibit;Not.
30	CTL250P3I-12	15		3DM			0	12	250m		55		M18e	Magnetic-Core Logic;And;Or;Inhibit;Not.
31	CTL250P3I28	15		3DM			0.0	28	300m		100		M18	Magnetic Core Logic;And;Or;Inhibit;Not.
32	CTL250P4I25-28	15		3DM			0	28	300m		100		M18f	Magnetic-Core Logic;And;Or;Inhibit;Not.
33	CTL250P/N12	15		3DM			0	12	250m		55		M18e	Magnetic-Core Logic;And;Or;Inhibit;Not.
34	CTL250P/N24	15		3DM			0	24	400m		125		M18b	Magnetic-Core Logic;And;Or,Inhibit;Not.
35	CTL250P/N28	15		3DM			0	28	300m		100		M18	Magnetic-Core Logic;And,Or;Inhibit,Not
36	CTP5P12	15		3DM			0	12	840m		55		M18c	Pulse Stretcher and Fortifiers
37	CTP5P24	15		3DM			0	24	1.5		100		M18c	Pulse Stretcher and Fortifiers
38▼#	DN831	15		MON			0.0	5.0	90m	-20	75	K15568	M385	Hall IC.
39	HEP554-RT	15					0 0	6.0					CN8	Bias Driver,FO 5 typ;tpd 15ns typ.
40	HEPC3806P-RT	15					0.0	5.0	85m				TO116	Phase-Frequency Detector
41	MC9707P	15		MON			0.0	3.6		0	75	K15285	TO116	Dual 4Channel Data Distributor
42	MC9807P	15		MON			0.0	3 6		15	55	K15285	TO116	Dual 4Channel Data Distributor
43	MC75491L,P%	15		MOS			0.0	10	830mt	0	70	K15526	TO116	Quad LED Segment Driver.
44▼	PS12	15		MOS			12	0 0	13mt	-40	60	K15566	CN77	Photoswitch;Hysteresis 1.0%.
45▼	PS24	15		MOS			24	0 0	26mt	-40	60	K15566	CN77	Photoswitch;Hysteresis 3.0%.
46	RM227D	15		MON			0	6 0		-55	125		M105k	Diode Arrays.
47	RM227P	15		MON			0	6 0		-55	125		M105m	Diode Arrays
48	SN75491N	15		MOS			0 0	10	800m	0	70	K15553	TO116	LED Quad Segment Driver.
49	SN75492N	15		MOS			0.0	10	800m	0	70	K15552	TO116	Hex LED/Lamp Driver
50	SSCT-H1	15		3DM			15	15	1.6 †	-55	85	K15529	M339	14 Bit Control Transf;Vi 90Vrms at 400Hz.
51	SSCT-H3	15		3DM			15	15	1.6 †	0	70	K15529	M339	14 Bit Control Transf;Vi 90Vrms at 400Hz.
52	SSCT-L1	15		3DM			15	15	1.6 †	-55	85	K15529	M339	14 Bit Control Transf;Vi 11.8Vrms at 400Hz
53	SSCT-L3	15		3DM			15	15	1 6 †	0	70	K15529	M339	14 Bit Control Transf;Vi 11.8Vrms at 400Hz
54#	TAA790A	15					0.0	8.0		0	60		TO116	Controlled pulse generator for T.V. sets.
55#	TAA790B	15					0.0	8.0		0	60		M181	Controlled pulse generator for T.V. sets.
56#	SAK115	15	10k	MON			0.0	8.0		-25	65		M198	Pulse Shaper for Rev. Counter for Cars.
57#	SAY115	15	10k	MON			0.0	16		-40	80	K15511	M329	Speedometer and Mileage Indicator for Cars
58#	SP520	15	1.0M	MON			0 0	5.0		0	70			5-Bit reversible Gray Code Counter.
59#	SAH190	15	1 5M	MOS			17	.30		-20	80	K3073	TO96	Twelve-tone Generator for Electronic Organ
60	MES4A	15	2 0M	PCM			0.0	0.0				K15337		Line Driver;Receiver;Level Converter.
61	N8243N	15		MON		40†*	0.0	5 0	500m	0	75	K15263	M237	8 Bit Position Scaler.
62	N8243P	15		MON		40†	0.0	5.0	500m	0	75	K15263	FP49	8 bit position scaler;Prop delay 20ns.
63	N8243Y	15		MON		40†*	0 0	5 0	500m	0	75	K15263	M237	8 Bit Position Scaler.
64	S8243N	15		MON		40†*	0 0	5.0	500m	-55	125	K15263	M237	8 Bit Position Scaler
65	S8243P	15		MON		.40†	0.0	5 0	500m	-55	125	K15263	FP59	8 bit position scaler;Prop delay 20ns.
66	S8243Y	15		MON		.40†	0.0	5 0	500m	0	75	K15263	FP59	8 bit position scaler,Prop delay 20ns.
67	MC4042F	15				50*†	0 0	5.0	120mt	0	75	K3032a	TO86	Quad Predriver.
68	MC4042L,P%	15				50*†	0.0	5.0	120mt	0	75	K3032a	TO116	Quad Predriver
69	MC75492L,P%	15		MOS		1.2*†	0.0	10	830mt	0	70	K15527	TO116	Hex LED Digit Driver.
70	MC901G	15		MON	82%	57*	0.0	3 0	55mt	-55	125	K158	TO99	RTL Counter Adapter;tpd 22ns typ.
71	MC801G	15		MON	84%	.55*	0.0	3.0	55mt	0	100	K158	TO99	RTL Counter Adapter;tpd 22ns typ
72▼	IPL1500	15		MOS	-.25	-8 7†	17	0.0	18mt	-55	85	K15565	CN77	Light activated Switch;Hysteresis 1%
73▼	IPL1700	15		MOS	-.25	-8 7†	17	0.0	18mt	-55	85	K15564	CN78	Light activated Switch;Hysteresis 1%.
74▼	IPL15	15		MOS	-.25	-9.5†	24	0.0	26mt	-55	85	K15565	CN77	Light activated Switch;Hysteresis 3%.
75▼	IPL17	15		MOS	-.25	-9 5†	24	0 0	26mt	-55	85	K15564	CN78	Light activated Switch;Hysteresis 3%.
76	T109	15	250k	3DM	-.30	-5.0	12	0 0	84m	-45	-65	K1513	M17	Reset Generator.
77	MC304F	15		MON	-.75	-1.6†	5 2	0.0	18mt	-55	125		TO91	Bias Driver;fan out 25;ECT Logic.
78	MC304G	15		MON	-.75	-1 6†	5 2	0.0	18mt	-55	125		CN9	Bias Driver;fan out 25;ECT Logic.
79	MC354F	15		MON	-.75	-1.6†	5 2	0.0	18mt	0	75		TO91	Bias Driver;fan out 25;ECT Logic.
80	MC354G	15		MON	-.75	-1.6†	5.2	0.0	18mt	0	75		CN9	Bias Driver;fan out 25;ECT Logic.
81	N1025A	15	125M	MON	-.77	-1 6	5.2	0.0		0	75			Dual 4,5 Input Expander.
82	MC1029P	15		MON	-.85%	-1.5*†	5.2	0.0	160mt	0	75	K15146	TO116	Data Distributor.
83	MC1229F	15		MON	-.85%	-1.5*†	5.2	0.0	160mt	-55	125	K15146	TO86	Data Distributor.
84	MC1229L	15		MON	-.85%	-1.5*†	5.2	0 0	160m	-55	125	K15146	TO116	Data Distributor.
85	10124B	15	60M		-.88	1 7	5.2	0 0	340m	-30	85			Quad,TTL to ECL Translator
86▼	MC10163L	15		MON	-.96%	-1.6*†	5.2	0.0	520mt	-30	85	K15556	M191	Error Detection/Correction Ckt.
87▼	MC10193L	15		MON	-.96%	-1 6*†	5.2	0.0	520mt	-30	85	K15557	M191	Error Detection/Correction Ckt.
88	MC12040L#1	15	80M%	MON	-.96%	-1 6*†	5 2	0.0		0	75	K15520	TO116	Phase-Frequency Detector.
89	MC12012L#1	15	200Mt%	MON	-.96%	-1.6*†	5 2	0.0		0	75	K15519	M191	Two-Modulus Prescaler.
90	MC12000L#2	15	250Mt%	MON	-.96%	-1.6*†	5.2	0.0		0	75	K15493	TO116	Digital Mixer/Translator.
91	MC701G	15		MON	1.3	10	0.0	3 0	55mt	15	55	K158	TO99	RTL Counter Adapter;tpd 22ns typ.
92	9318FC	15		MON	1 8%	.85*	0 0	5.0	250mt	0	75		FP47b	Eight Input Priority Encoder.
93	9650-1DM	15		MON	2.0%	70*	16	5.5	730m	-55	125	K15551	M200j	4-Bit Current Source;Linearity±.01% of FSI
94	9650-2DM	15		MON	2.0%	.70*	16	5.5	730m	-55	125	K15551	M200j	4-Bit Current Source;Linearity±.05% of FSI
95	9650-3DM	15		MON	2.0%	70*	16	5.5	730m	-55	125	K15551	M200j	4-Bit Current Source;Linearity±.2% of FSI
96	4850	15		3DM	2.0%	.80*	15	15	825m	-25	85	K15300	MØ	3Mode Integrator,Track and Hold,SPDTswitch
97	9368DC	15		MON	2.0%	.80*	0.0	5.0		0	70	K15549	M200j	7 Segment Decoder/Driver/Latch.
98	9369DC	15		MON	2 0%	.80*	0.0	5.0		0	70	K15549a	M200j	7 Segment Decoder/Driver/Latch.
99	9370DC	15		MON	2.0%	.80*	0.0	5.0		0	70	K15550	M200j	7 Segment Decoder/Driver/Latch.
100	9650-1DC	15		MON	2 0%	.80*	16	5.5	730m	0	70	K15551	M200j	4-Bit Current Source;Linearity±.01% of FSI
101	9650-2DC	15		MON	2.0%	.80*	16	5.5	730m	0	70	K15551	M200j	4-Bit Current Source;Linearity±.05% of FSI
102	9650-3DC	15		MON	2.0%	.80*	16	5.5	730m	0	70	K15551	M200j	4-Bit Current Source;Linearity±.2% of FSI
103#	FLH441-74H87	15		MON	2 0%	.80*	0.0	5.0	445m§	0	70	K15290	M126p	4 Bit Complement-Unit;tpd 25ns max.
104#	FLH445-84H87	15		MON	2 0%	.80*	0.0	5.0	445m§	-25	85	K15290	M126p	4 Bit Complement-Unit;tpd 25ns max.
105	HWG16	15			2.0%	.80*	0.0	5.0	710m§	0	70	K15532	M342	16 Line Curr.Generator and Steering Netw.
106	NC74H87N	15		MON	2.0%	80*	0.0	5.0	270m	0	70	K15290	TO116	4 Bit True/Complement Element.
107♦	SN54H87J	15		MON	2.0%	.80*	0.0	5.0	270mt	-55	125	K15290	M157d	4-Bit True/Complement Element.
108	SN54H87N	15		MON	2.0%	.80*	0.0	5.0	270mt	-55	125	K15290	M126	4-Bit True/Complement Element.
109♦	SN54H87W	15		MON	2.0%	80*	0 0	5.0	270mt	-55	125	K15290	Δ004AA	4 Bit True/Complement Element.
110▼	SN54S275J	15		MON	2 0%	80*	0 0	5.0	525mt	-55	125	K15563	M153d	7-Bit-Slice Wallace Tree

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1♦	SN74H87J	15		MON	2 0%	.80*	0.0	5.0	270mt	0	70	K15290	M157d	4-Bit True/Complement Element.
2♦	SN74H87N	15		MON	2 0%	.80*	0.0	5.0	270mt	0	70	K15290	M126e	4-Bit True/Complement Element.
3	SN74H87W	15		MON	2.0%	.80*	0.0	5.0	270mt	0	70	K15290	TO84	4 Bit True/Complement Element.
4▼	SN74S275J	15		MON	2 0%	.80*	0.0	5.0	525mt	0	70	K15563	M153d	7-Bit-Slice Wallace Tree
5▼	SN74S275N	15		MON	2 0%	.80*	0.0	5.0	525mt	0	70	K15563	M117x	7-Bit-Slice Wallace Tree.
6	SN54150N	15		MON	2.0%	.80*	0.0	5.0	200mt	-55	125	K307	M186	16-Line-to-1-Line Multiplexer.
7	SN54151J	15		MON	2.0%	.80*	0.0	5.0	240m%	-55	125	K305h	M153a	8 Line to 1 Line Multiplexer
8	SN54151N	15		MON	2 0%	.80*	0.0	5.0	240m%	-55	125	K305h	M177	8 Line to 1 Line Multiplexer.
9	SN54151W	15		MON	2.0%	.80*	0.0	5.0	240m%	-55	125	K305h	Δ004AG	8 Line to 1 Line Multiplexer.
10	SN54152S	15		MON	2.0%	.80*	0.0	5.0	215m%	-55	125	K305m	FP52f	8 Line to 1 Line Multiplexer.
11	SN54152W	15		MON	2.0%	.80*	0.0	5.0	215m%	-55	125	K305m	Δ004AA	8 Line to 1 Line Multiplexer.
12	SN54153N	15		MON	2.0%	.80*	0.0	5.0	170mt	-55	125	K308	M117	Dual 4 Line to 1 Line Data Selector/Mult.
13	SN54157N	15		MON	2.0%	.80*	0.0	5.0	150m%	-55	125	K309	M117	Quad 2-Line-to-1-Line Data Select/Mult.
14	SN54180N	15		MON	2.0%	.80*	0.0	5.0	170mt	-55	125	K332	M126	8-Bit Parity Checker/Generator.
15	SN54181D	15		MON	2.0%	.80*	0.0	5.0	635m%	-55	125	K312	M197	Arithmetic Logic Unit;tpd 50ns max.
16	SN54181N	15		MON	2.0%	.80*	0.0	5.0	675m%	-55	125	K312	M186	Arithmetic Logic Units/Function Generators
17	SN54182N	15		MON	2.0%	.80*	0.0	5.0	325m%	-55	125	K371	M117	Look-Ahead carry generator.
18	SN74151J	15		MON	2.0%	.80*	0.0	5.0	240m%	0	70	K305h	M153a	8 Line to 1 Line Multiplexer.
19	SN74151N	15		MON	2.0%	.80*	0.0	5.0	240m%	0	70	K305h	M177	8 Line to 1 Line Multiplexer.
20	SN74151W	15		MON	2.0%	80*	0.0	5.0	240m%	0	70	K305h	Δ004AG	8 Line to 1 Line Multiplexer.
21	SN74152S	15		MON	2.0%	.80*	0.0	5.0	215m%	0	70	K305m	FP52f	8 Line to 1 Line Multiplexer.
22	SN74157W	15		MON	2.0%	.80*	0.0	5.0	150m%	0	70	K309	Δ004AG	Quad 2-Line-to-1-Line Data Select/Mult.
23	SN74180W	15		MON	2.0%	80*	0.0	5.0	170mt	0	70	K332	TO84	8 Bit Parity Checker/Generator.
24	SN74181D	15		MON	2.0%	.80*	0.0	5.0	750m%	0	70	K312	M197	Arithmetic Logic Unit;tpd 50ns max.
25	SW54180H	15		MON	2.0%	.80*	0.0	5.5	170mt	-55	125	K332	FPØ	tpD 40ns; Noise Rej. 1 0V max; FO10.
26	SW54180J	15		MON	2.0%	.80*	0.0	5.5	269mt	-55	125	K332	M114	TTL;tpd 40ns;Noise Rej 1 0V;FO10
27	SW74180H	15		MON	2.0%	.80*	0.0	5.25	170mt	0	70	K332	FPØ	TTL, tpD 40ns; Noise Rej. 1.0V, FO10.
28	SW74180J	15		MON	2 0%	.80*	0 0	5.25	294mt	0	70	K332	M114	TTL;tpd 40ns;Noise Rej. 1.0V;FO10
29	SW74180N	15		MON	2 0%	.80*	0.0	5.25	294mt	0	70	K332	M105n	TTL;tpd 40ns;Noise Rej. 1.0V;FO10
30	TIH101	15		MOH	2.0%	.80*	0.0	5.0	75m%	0	70	K15426	M158h	Dual Power Logic Module.
31#	TL74H87N	15		MON	2.0%	.80*	0.0	5.0	467mt	0	70	K15290	M126n	4Bit True/Complement Element.
32	5031	15	100k	3DM	2.0%	.80*	15	15	300m	-55	85			Peak Sense-Hold,Accuracy ±300uV.
33	MN350	15	1.2MΔ		2.0%	.80*	12	12	900m	0	70	K15445		Sine Wave Function Generator.
34	MN350H	15	1.2MΔ		2.0%	.80*	12	12	900m	-55	125	K15445		Sine Wave Function Generator.
35	MN351	15	1.2MΔ		2.0%	.80*	12	12	900m	0	70	K15445		Parabolic Function Generator.
36	MN351H	15	1.2MΔ		2.0%	.80*	12	12	900m	-55	125	K15445		Parabolic Function Generator.
37	MN352	15	1.2MΔ		2.0%	.80*	12	12	900m	0	70	K15445		S Wave Function Generator.
38	MN352H	15	1.2MΔ		2 0%	80*	12	12	900m	-55	125	K15445		S Wave Function Generator
39	SN54143J	15	12MØ	MON	2.0%	.80*	0.0	5.0	280m%	-55	125	K15420	Δ015AA	4-Bit Counter/Latch,7-Seg Led/Driver.
40	SN54143W	15	12MØ	MON	2.0%	.80*	0.0	5 0	280m%	-55	125	K15420	Δ019AA	4-Bit Counter/Latch,7-Seg Led/Driver.
41	SN54144J	15	12MØ	MON	2.0%	80*	0.0	5.0	280m%	-55	125	K15420	Δ015AA	4-Bit Counter/Latch,7-Seg Led/Driver
42	SN54144W	15	12MØ	MON	2.0%	80*	0.0	5.0	280m%	-55	125	K15420	Δ019AA	4-Bit Counter/Latch,7-Seg Led/Driver.
43	SN74143J	15	12MØ	MON	2.0%	80*	0.0	5.0	280m%	0	70	K15420	Δ015AA	4-Bit Counter/Latch,7-Seg Led/Driver
44	SN74143N	15	12MØ	MON	2.0%	.80*	0.0	5.0	280m%	0	70	K15420	M186	4-Bit Counter/Latch,7-Seg Led/Driver
45	SN74144J	15	12MØ	MON	2.0%	.80*	0 0	5 0	280m%	0	70	K15420	Δ015AA	4-Bit Counter/Latch,7-Seg Led/Lamp Driver.
46	SN74144N	15	12MØ	MON	2.0%	.80*	0.0	5.0	280m%	0	70	K15420	M186	4-Bit Counter/Latch,7-Seg Led/Driver.
47▼	SN74142J	15	20MΔ	MON	2.0%	80*	0.0	5.0	340mt	0	70	K15562	M157d	BCD Counter/4-Bit Latch/BCD Decoder/Driver
48▼	SN74142N	15	20MΔ	MON	2.0%	.80*	0.0	5 0	340mt	0	70	K15562	M126e	BCD Counter/4-Bit Latch/BCD Decoder/Driver
49	3207A	15		MON	2.0%	85*	0 0	5.0	2.0	0	75	K15382	M207a	TTL to MOS Level Shifter and Driver.
50	MC4041P	15		MON	2.0%	.90*	0.0	5.0	240mt	0	75	K15227	M278	Single-Error Hamming Code Detector And Gen
51	MC4062P	15		MON	2.0%	.90*	0.0	5.0	75mt	0	75	K15389	TO116	Dual Majority Logic Gate.
52	D4015	15	5.0M	PCB	2.0%	.95*	0	5	250m	0	75			Transfer Gates;Four 4-Line,Two 2-Line.
53	D4017	15	5.0M	PCB	2.0%	.95*	0	5	325m	0	75			Matrix Select Gate;Dual 4-4-2.
54	D4044	15	5.0M	PCB	2.0%	.95*	0	5	260m	0	50		CBØ	Mixed Logic.
55	HEPC3075P-RT	15		MON	2.4%	.40*†	0.0	5 0	160mt				M154	Quad Latch,TTL;TO 10,tpd 30ns typ
56▼	MC54H87F	15		MON	2.4%	.40*†	0.0	5 0	270mt	-55	125		TO86	4 Bit True/Complement,0/1 Element.
57▼	MC54H87L	15		MON	2.4%	.40*†	0.0	5.0	270mt	-55	125		TO116	4 Bit True/Complement,0/1 Element.
58▼	MC74H87F	15		MON	2.4%	.40*†	0.0	5 0	270mt	0	75		TO86	4 Bit True/Complement,0/1 Element.
59▼	MC74H87L,P%	15		MON	2.4%	.40*†	0.0	5.0	270mt	0	75		TO116	4 Bit True/Complement,0/1 Element.
60	MC4035F	15		MON	2.4%	.40*†	0.0	5.0	140mt	0	75	K15351	TO86	4 ckts; tpd 25ns typ; FO7.
61	MC4035L,P%	15		MON	2.4%	.40*†	0.0	5.0	140mt	0	75	K15351	TO116	4 ckts;tpd 25ns typ;FO7
62	MC4037F	15		MON	2.4%	.40*†	0.0	5.0	150mt	0	75	K15352	TO86	4 ckts; tpd 25ns typ; F010.
63	MC4037L,P%	15		MON	2.4%	.40*†	0.0	5.0	150mt	0	75	K15352	TO116	4 ckts;tpd 25ns typ;FO10.
64	MC4335F	15		MON	2.4%	.40*†	0.0	5.0	140mt	-55	125	K15351	TO86	4ckts; tpd 25ns typ, FO7.
65	MC4335L	15		MON	2 4%	.40*†	0 0	5.0	140mt	-55	125	K15351	TO116	4 ckts;tpd 25ns typ;FO7
66	MC4337F	15		MON	2.4%	.40*†	0.0	5.0	150mt	-55	125	K15352	TO86	4 ckts, tpd 25ns typ; F010.
67	MC4337L	15		MON	2 4%	.40*†	0.0	5.0	150mt	-55	125	K15352	TO116	4 ckts;tpd 25ns typ;FO10.
68	MC4344F	15		MON	2.4%	.40t*	0.0	5 0	85mt	-55	125	K15316	TO86	Phase-Frequency Detector.
69	MC4344L	15		MON	2.4%	.40*†	0.0	5.0	85mt	-55	125	K15316	TO116	Phase-Frequency Detector
70	MCB54140F	15		MON	2 4	.40	0 0	5.0	20mt	-55	125	K15393	FP77	4-Input AND Driver w/NOR Strobe.
71▼	SCL1006	15		3DM	2.4%	.40*	15	15	1.0 †	0	70		M379a	Clock Module;16x Bit Rate.
72	835	15	5.0M	MOH	2.4%	40*	0.0	5.0		-55	125	K15384	M196a	Clock Phase Generator;tpd 85ns;Fo 10.
73▼	MC54176F	15	35MtØ	MON	2.4%	.40*†	0.0	10	240m%	-55	125	K15558	TO86	Preset Decade-Binary Counter/Latches
74▼	MC54176L	15	35MtØ	MON	2.4%	40*†	0 0	10	240m%	-55	125	K15558	TO116	Presettable Decade-Binary Counter/Latches.
75▼	MC54177F	15	35MtØ	MON	2.4%	.40*†	0.0	10	240m%	-55	125	K15559	TO86	Presettable Decade-Binary Counter/Latches.
76▼	MC54177L	15	35MtØ	MON	2.4%	.40*†	0.0	10	240m%	-55	125	K15559	TO116	Presettable Decade-Binary Counter/Latches.
77▼	MC74176F	15	35MtØ	MON	2.4%	.40*†	0.0	10	240m%	0	75	K15558	TO86	Presettable Decade-Binary Counter/Latches
78▼	MC74176L,P%	15	35MtØ	MON	2.4%	.40*†	0.0	10	240m%	0	75	K15558	TO116	Presettable Decade-Binary Counter/Latches
79▼	MC74177F	15	35MtØ	MON	2.4%	.40*†	0.0	10	240m%	0	75	K15559	TO86	Presettable Decade-Binary Counter/Latches
80▼	MC74177L,P%	15	35MtØ	MON	2.4%	40*†	0.0	10	240m%	0	75	K15559	TO116	Presettable Decade-Binary Counter/Latches.
81	MC8503P	15		MON	2.4%	.50*†	0.0	5.0	400mt	0	75	K15517	TO116	Bipolar LSI Univ.Polynominal Generator.
82	MC12014L	15		MON	2.4%	.50*†	0.0	5.0		0	75		M191	Counter Control Logic.
83	MC4002F	15		MON	2.5%	.40*†	0 0	5.0	175mt	0	75	K15312	TO86	Dual Data Distributor
84	MC4002L,P%	15		MON	2.5%	.40*†	0.0	5.0	175mt	0	75	K15312	TO116	Dual Data Distributor
85	MC4044F	15		MON	2.5%	.40t*	0.0	5.0	85mt	0	75	K15316	TO86	Phase-Frequency Detector.
86	MC4044L,P%	15		MON	2.5%	.40*†	0.0	5 0	85mt	0	75	K15316	TO116	Phase-Frequency Detector.
87▼#	DN830	15		MON	2.6%	.40*	0.0	5.0	90m	-20	75	K15567	M385	Hall IC,B(H-L)750gauss;B(L-H)100gauss
88	MC7261F	15		MON	2.6%	.40*†	0 0	5.0	95mt	0	75	K15267	TO86	Fast Carry Extender.
89	MC7261L,P%	15		MON	2.6%	.40*†	0.0	5 0	95mt	0	75	K15267	TO116	Fast Carry Extender.
90	MC8261F	15		MON	2.6%	.40*†	0.0	5.0	95mt	-55	125	K15267	TO86	Fast Carry Extender.
91	MC8261L	15		MON	2.6%	.40*†	0.0	5.0	95mt	-55	125	K15267	TO116	Fast Carry Extender.
92	N8261A	15		MON	2 6%	.40†	0 0	5 0	140m	0	75	K15267	M105q	Fast carry extender; gate array.
93	N8261F	15		MON	2.6%	.40t*	0.0	5.0	140m	0	75	K15267	M157	Fast Carry Extender;Gate Array.
94	N8261Q	15		MON	2.6%	.40†	0 0	5 0	140m	0	75	K15267	TO88	Fast carry extender; gate array.
95	S8261A	15		MON	2.6%	.40†	0.0	5 0	140m	-55	125	K15267	M105q	Fast carry extender;gate array.
96	S8261F	15		MON	2.6%	.40†	0.0	5.0	140m	-55	125	K15267	M105r	Fast carry extender;gate array.
97	S8261Q	15		MON	2.6%	40†	0.0	5.0	140m	-55	125	K15267	TO88	Fast carry extender;gate array
98#	SAK100	15		MON	3 0%	1 0*	0.0	4.8		-20	55	K15435	TO116	Scanning Regulator SW,Vo 250mV
99	RL60D	15		MON	3 5	.20†	0	5	80m	-55	125		M105m	4 Bit Storage Register;ton-16ns;toff-11ns.
100	RL60K	15		MON	3 5	.20†	0	5	80m	-55	125		FP21b	4 Bit Storage Register;ton-16ns;toff-11ns.
101	RL61D	15		MON	3 5	.20†	0	5	80m	-55	125		M105m	4 Bit Storage Register;ton-16ns;toff-11ns.
102	RL61K	15		MON	3.5	.20†	0	5	80m	-55	125		FP21b	4 Bit Storage Register;ton-16ns;toff-11ns.
103	RL62D	15		MON	3.5	.20†	0	5	80m	0	75		M105m	4 Bit Storage Register;ton-16ns;toff-11ns.
104	RL62K	15		MON	3.5	.20†	0	5	80m	0	75		FP21b	4 Bit Storage Register;ton-16ns;toff-11ns.
105	RL63D	15		MON	3.5	.20†	0	5	80m	0	75		M105m	4 Bit Storage Register;ton-16ns;toff-11ns.
106	RL63K	15		MON	3.5	20†	0	5	80m	0	75		FP21b	4 Bit Storage Register;ton-16ns;toff-11ns.
107	RL70D	15		MON	3.5	.20†	0	5	120m	-55	125		M105m	4 Bit Storage Register,ton-16ns,toff-11ns
108	RL70K	15		MON	3.5	.20†	0	5	120m	-55	125		FP21b	4 Bit Storage Register,ton-16ns;toff-11ns.
109	RL71D	15		MON	3.5	.20†	0	5	120m	-55	125		M105m	4 Bit Storage Register,ton-16ns;toff-11ns.
110	RL71K	15		MON	3.5	.20†	0	5	120m	-55	125		FP21b	4 Bit Storage Register;ton-16ns;toff-11ns

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	[5] TYPE No.	[1] USE	[4] MAX OPER-ATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL [2] '1' (V)	LOGIC LEVEL [3] '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	RL72D	15		MON	3.5	.20†	0	5	120m	0	75		M105m	4 Bit Storage Register;ton-16ns;toff-11ns.
2	RL72K	15		MON	3.5	.20†	0	5	120m	0	75		FP21b	4 Bit Storage Register;ton-16ns;toff-11ns.
3	RL73D	15		MON	3.5	.20†	0	5	120m	0	75		M105m	4 Bit Storage Register;ton-16ns;toff-11ns.
4	RL73K	15		MON	3 5	20†	0	5	120m	0	75		FP21b	4 Bit Storage Register;ton-16ns;toff-11ns.
5#	ZN1002E	15			3.5	.20	0 0	5.25		0	70	K15330	M210	Core Store Driver;PD,15ns;IC,65ma.
6	SP363A	15		MON	3.5%	.60†*	0.0	5.0		0	75	K15396	TO116	Zero Crossing Detector.
7	AY5-1008	15	100k	MOS	3 5%	.80*	-12	5.0	200m	0	70		M192a	TTY Receiver; tpD 1.0us.
8	AY5-1010	15	100k	MOS	3.5%	.80*	-12	5.0	200m	0	70		M192a	TTY Transmitter; tpD 1.0us
9	AY6-4010	15	1.0M	MOS	3 7%	1.5*	12	5 0		-55	125	K15340	M192a	Universal counting system;tpD 2.0us.
10	CH1060	15	20MΔ	MOS	3.9	.5†		5.5		-25	75		M158	4 phase clock line sequencer; IL2.2mA.
11	MC12000L#1	15	250Mt%	MON	4.0%	3.3*†	0 0	5.0		0	75	K15493	TO116	Digital Mixer Translator
12	MC12040L#2	15	80M%	MON	4.04%	3.44*†	0.0	5.0		0	75	K15520	TO116	Phase-Frequency Detector.
13♦	MC12012L#2	15	200Mt%	MON	4.04%	3.44*†	0.0	5.0		0	75	K15519	M191	Two-Modulus Prescaler.
14	MC14530AL	15		MOS	4.99%	.01*†	0.0	10	50n%	-55	125	K15496	M191	Dual 5-Input Majority Logic Gate.
15	MC14530CL	15		MOS	4.99%	.01*†	0.0	10	50n%	-40	85	K15496	M191	Dual 5-Input Majority Logic Gate.
16	MC14530CP	15		MOS	4.99%	.01*†	0.0	10	50n%	-40	85	K15496	M278	Dual 5-Input Majority Logic Gate
17	CD4057AK	15	900kΔ%	MOS	4 99*	.01†%	0.0	5.0	200m	-55	125	K3114	FP93	CMS LSI 4 Bit Arith.Logic Unit;tpd5.4usmax
18	D132AL	15			5.0	0.0	0.0	5.0	750m	-55	125	K15193	TO86	4 Channel Decode Driver;tpd 250ns max.
19	D132AP	15			5.0	0.0	0.0	5.0	750m	-55	125	K15193	TO116	4 Channel Decode Driver;tpd 250ns max.
20	D132BL	15			5.0	0.0	0.0	5.0	750M	-20	85	K15193	TO86	4-Channel Decode Driver;Tpd 250ns Max.
21	D132BP	15			5.0	0.0	0.0	5.0	1.2	-20	85	K15193	TO116	4-Channel Decode Driver;Tpd 250ns Max
22	I410	15	10M	PCB	5.0	0.0	0.0	5.0	200m%			K15273	CB⍁	Squaring amplifier; Vth-2.5V to 2.5V.
23	6471	15		PCB	5.0	.45	15	15		0	70		CB62	20 Wire Multiplexer In. Limiter/Connector.
24#	SAJ210AX2	15		MON	6.0%	1 5*	0.0	9.0	500m	0	70	K15462	M181	7 Stage Frequency Divider for Elect Organs
25#	SAJ210AX7	15		MON	6.0%	1.5*	0.0	9.0	500m	0	70	K15462	M126h	7 Stage Frequency Divider for Elect Organs
26	33	15	10M	3DM	7.0	-7.0	15	15		-65	175		CN67	Field Effect Chopper Relay.
27▼	MC14566AL	15		MOS	9.99%	.01*†	0.0	10	100u%	-55	125	K15560	M191	Industrial Time Base Generator.
28▼	MC14566CL	15		MOS	9.99%	.01*†	0.0	10	1.0m%	-40	85	K15560	M191	Industrial Time Base Generator.
29▼	MC14566CP	15		MOS	9.99%	.01*†	0.0	10	1.0m%	-40	85	K15560	M278	Industrial Time Base Generator.
30#	FDJ106	15		MOS	-2.0%	-9.0*	28	0.0	180mt	-55	85	K15377	M193	Register Array;tpd 150ns typ.
31#	FEY101	15		MON	-2.0%	-10*	21	0 0		-10	75	K15436	M117q	Analog-Digital Transducer.
32	R181	15	2.0M	PCB	-3.0	0.0	15	10	400m	-20	65	K1555	CB31	1 Ckt; DC Carry Chain.
33	MM4015	15	1.0MΔ	MOS	-4 0%	-2.0%	25	0.0	400m	-55	125	K15347	M146	60 plus 4 bit accumulator/register.
34	MM5015	15	1 0MΔ	MOS	-4.0%	-2.0%	25	0 0	400m	-25	70	K15347	M146	60 plus 4 bit accumulator/register
35	MM410	15	4.0MΔ	MOS	-7.0%	-2.5*	20	0.0	500m	-55	125	K15346	CN⍁	64 bit accumulator;clock tr 10ns max
36	MM510	15	4 0MΔ	MOS	-7.0%	-2.5*	20	0.0	500m	-25	70	K15346	CN⍁	64 bit accumulator,clock tr 10ns max.
37	MC2255L	15		MOS	-9.0%	-1 0*†	16	0.0	625m	0	75	K15359	TO116	P-Channel Enhancement Mode Logic Element.
38#	MN115	15		MOS	-9.0%	-1 0*	15	0.0	250m	-30	70	K15429	CN58a	1/2, 1/525 Frequency Divider.
39#	MN116	15		MOS	-9 0%	-1 0*	15	0.0	250m	-30	70	K15430	CN58a	1/2, 1/625 Frequency Divider
40♦	3102-4-5F	15		MOS	-9 0%	-2.0*	27	0 0	200m	-55	85	K15215	TO100	3 Input gate Building block
41	CD4048AD	15		MOS	10	0.0†	0.0	10	200m	-55	125	K15444	Δ002AE	Multi-Function Exp 8 Input Gate;Pd 200mW.
42	CD4048AE	15		MOS	10	0.0†	0.0	10	200m	-40	85	K15444	Δ001AC	Multi-Function Exp 8 Input Gate;Pd 200mW.
43	CD4048AK	15		MOS	10	0.0†	0.0	10	200m	-55	125	K15444	Δ004AG	Multi-Function Exp 8 Input Gate;Pd 200mW.
44	NS8000A	15	1.5M		12⍁%				500m	-55	100	K1759	CN76	Transformer Isolated Microchopper.
45	HEPC0907P-RT	15		MON	12.5%	1 5*†	0.0	15	375mt	-30	75	K3415	M154	Quad Latch;FO 10;tpd 300ns max.
46	MC675L,P%	15		MON	12.5%	1.5*†	0.0	15	180mΔ	-30	75	K15295	TO116	Pulse Stretcher;Fan Out 10.
47	LMD3	15		DCM	35*	3.0*	0.0	35	300m	0	100	K15363	M241	Differentiator Driver;tr 50ms;tf 250ms.
48#	M58165B	15	60kΔ	MOS	-10*	-1.5%	24	0.0	150m	-20	75		M197	Digital Clock with Timer.
49	3800-4-6H	15	300k	MOS	-10%	-2.0*	27	0.0	180mt	-55	85		M132	8 bit parallel accumulator
50	3800-9-6H	15	300k	MOS	-10%	-2.0*	27	0.0	180mt	0	70		M132	8 bit parallel accumulator
51	MEM1056BCD	15	500kΔ	MOS	-10%	-2 0*	27	0 0	300m	-55	85	K15299	M171	Counter display driver with BCD outputs.
52	MEM1056	15	1.0MΔ	MON	-10%	-2.0*	27	0.0		-55	85	K15254	FP48	Counter-Display Driver
53#	MN111	15		MOS	-22%	-4.0*	-6.0	0.0		-30	70		TO116	Vertical Automatic Sync. Circuit for TV.
54#	SAJ220H	16	50k	MON			0.0	2.0		-10	60		FP89	Osc. Divider,Motor Drive for wrist watch.
55#	SAJ220S	16	50k	MON			0.0	2.0		-10	60		M266	Oscillator,Divider,Motordrive for Clocks.
56#	SP601A	16	150M	MON			5.2	0.0	115m	-55	125	K1611	CN73	Divide by 4;tr and tf 2.0ns max.
57#	SP601B	16	150M	MON			5.2	0.0	115m	0	70	K1611	CN73	Divide by 4;tr and tf 2.0ns max.
58#	SP655A	16	180M%	MON			0.0	8.0		-55	125	K1622	CN73	Low Power V H.F Counter.
59#	SP655B	16	180M%	MON			0.0	8.0		0	70	K1622	CN73	Low Power V.H.F. Counter.
60#	SP657A	16	180M%	MON			0.0	8.0		-55	125	K1622a	CN73	Low Power V.H.F. Counter.
61#	SP657B	16	180M%	MON			0.0	8.0		0	70	K1622a	CN73	Low Power V.H.F. Counter.
62#	SP659A	16	180M%	MON			0.0	8.0		-55	125	K1622b	CN73	Low Power V H.F. Counter.
63	SP659B	16	180M%	MON			0.0	8.0		0	70	K1622b	CN73	Low Power V.H.F. Counter.
64#	SP604A	16	300M	MON			5.2	0 0	95m	-55	125	K1612	CN73	Divide by 2;tr and tf 2.0ns max.
65#	SP604B	16	300M	MON			5.2	0.0	95m	0	70	K1612	CN73	Divide by 2;tr and tf 2.0ns max.
66▼#	SP600A	16	390M%				5.2	0.0	119m%	-55	125		CN73	Divide by 4;Vi 800mVp-p max;Io 2.0mA min.
67▼#	SP600B	16	390M%				5.2	0 0	119m%	0	70		CN73	Divide by 4,Vi 800mVp-p max;Io 2.0mA min.
68#	SP603A	16	400M	MON			5.2	0.0	95m	-55	125	K1612	CN73	Divide by 2;tr and tf 2.0ns max.
69#	SP603B	16	400M	MON			5.2	0 0	95m	0	70	K1612	CN73	Divide by 2;tr and tf 2.0ns max.
70#	SP602A	16	500M				5 2	0 0	95m	-55	125	K1612	CN73	Divide by 2;tr and tf 2.0ns max.
71#	SP602B	16	500M	MON			5.2	0.0	95m	0	70	K1612	CN73	Divide by 2;tr and tf 2.0ns max.
72#	SP652B	16	520M%	MON			0.0	8.0		0	70	K1621	M307	U.H.F. Counter Divide by 16.
73#	SP651B	16	560M%	MON			0 0	8.0		0	70	K1621	M307	U.H.F. Counter Divide by 16.
74#	SP650B	16	650M%	MON			0.0	8.0		0	70	K1621	M307	U.H.F Counter Divide by 16.
75▼#	SP632B	16	400M		40#%		5.2	0.0	364mt	0	70	K1618	M307	U.H.F.Decade;divide by 10;Io 15mA.
76#	SP632B#1	16	400M		.40#%		5.2	0.0	364mt	0	70	K1618	M307	U.H.F.Decade Counter divide by 10;Io 15mA.
77▼#	SP631B	16	500M		.40#%		5.2	0 0	364mt	0	70	K1618	M307	U.H.F.Decade;divide by 10;Io 15mA.
78#	SP631B#1	16	500M		.40#%		5.2	0 0	364mt	0	70	K1618	M307	U.H.F.Decade Counter divide by 10;Io 15mA
79▼#	SP630D	16	550M		.40#%		5.2	0.0	364mt	0	70	K1618	M307	U.H.F.Decade;divide by 10;Io 15mA.
80▼#	SP630B	16	600M		.40#%		5.2	0.0	364mt	0	70	K1618	M307	U H.F Decade,divide by 10;Io 15mA.
81#	SP630B#1	16	600M		.40#%		5.2	0 0	364mt	0	70	K1618	M307	U.H.F.Decade Counter divide by 10;Io 15mA
82#	SP613B	16	700M		.40#%		7.0	0 0	315mt	0	70		M307	U.H.F.Counter divide by 4;Io 15mA.
83#	SP614B	16	800M		.40#%		7.0	0.0	315mt	0	70		M307	U.H.F.Counter divide by 4;Io 15mA.
84#	SP615B	16	900M		.40#%		7.0	0.0	315mt	0	70		M307	U.H.F.Counter divide by 4;Io 15mA.
85▼#	SP616D	16	950M		.60#%		7.0	0.0	315mt	0	70		M307	U.H.F. divide by 4;Io 15mA.
86#	SP616B	16	1.0G		60#%		7.0	0.0	315mt	0	70		M307	U.H.F.Counter divide by 4;Io 15mA.
87#	SP622B	16	200M		60	0.0†	0.0	5 2	286m%	0	70	K1618	M307	Divide by 5;VI 800mVpp max;Io 10mA.
88#	SP621B	16	300M		.60	0.0†	0.0	5.2	286m%	0	70	K1618	M307	Divide by 5;VI 800mVpp max;Io 10mA.
89#	SP620B	16	400M		60	0.0†	0.0	5 2	286m%	0	70	K1618	M307	Divide by 5;VI 800mVpp max;Io 10mA.
90#	SP207A	16	5.0MΔ⍁	MON	.84	.22	0.0	8.0	50mt	-55	125	K166	CN23a	Divides by any number 2 to 8
91#	SP208A	16	5.0MΔ	MON	.84	.22	0.0	8.0	48mt	-55	125	K162	CN23a	Divides by any number 2 to 8
92#	SP257A	16	5.0MΔ⍁	MON	.84	.22	0.0	8.0	50mt	-55	125	K166	FP2	Divides by any number 2 to 8
93#	SP258A	16	5.0M	MON	.84	22	0	8	48m	-55	125	K162	FP2	Divides by any number between 2 to 8.
94#	SP260A	16	15M⍁	MON	.84	.22	0.0	8.0	66mt	-55	125	K167	CN23a	Divides by any number 2 to 16
95	SN5492J#	16	20M⍁	MON	2 0%	.80*	0.0	5 0	215m%	-55	125		M75f	Divide by twelve counter;tpD 16ns.
96	SN7492N#	16	20M⍁	MON	2.0%	.80*	0.0	5.0	215m%	0	70		M126d	Divide by twelve counter;tpD 16ns.
97	DM7520D	16	20	MON	2.4%	.40*	0.0	5 0		-55	125			n-Bit Divider.
98	DM8520N	16	20	MON	2.4%	.40*	0.0	5.0		0	70			n-Bit Divider
99♦	MC5492F	16	10Mt⍁	MON	2.4%	.40*†	0.0	5.0	160mt	-55	125	K169	TO86	Divide by twelve counter.
100♦	MC5492L	16	10Mt⍁	MON	2.4%	.40*†	0.0	5.0	160mt	-55	125	K169	TO116	Divide-By-Twelve Counter.
101♦	MC7492F	16	10Mt⍁	MON	2.4%	.40*†	0.0	5 0	160mt	0	75	K169	TO86	Divide by twelve counter.
102♦	MC7492L,P%	16	10Mt⍁	MON	2.4%	.40*†	0.0	5 0	160mt	0	75	K169	TO116	Divide-By-Twelve Counter.
103▼	MC8392F	16	10Mt⍁	MON	2.4%	.40*†	0 0	5.0	160mt	0	75	K169	TO86	Divide-By-Twelve Counter.
104▼	MC8392L,P%	16	10Mt⍁	MON	2 4%	.40*†	0.0	5.0	160mt	0	75	K169	TO116	Divide-By-Twelve Counter.
105▼	MC9392F	16	10Mt⍁	MON	2 4%	.40*†	0.0	5 0	160mt	-55	125	K169	TO86	Divide-By-Twelve Counter.
106▼	MC9392L	16	10Mt⍁	MON	2.4%	.40*†	0.0	5 0	160mt	-55	125	K169	TO116	Divide-By-Twelve Counter.
107#	SP640A	16	200M	MOS	4 1%	3 7*	0.0	5 2	338mt	-55	125	K1620	M308	U.H.F.Programmable Divider;divide by 10/11
108#	SP640B	16	200M	MOS	4 1%	3.7*	0.0	5.2	338mt	0	70	K1620	M308	U.H.F.Programmable Divider;divide by 10/11
109#	SP646B	16	200M	MOS	4.1%	3 7*	0.0	5.2	338m	0	70	K1620	M308	U.H.F Programmable Divider;divide by 10/11
110#	SP641A	16	250M	MOS	4.1%	3 7*	0.0	5 2	338mt	-55	125	K1620	M308	U.H.F.Programmable Divider;divide by 10/11

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1#	SP641B	16	250M	MOS	4 1%	3.7*	0.0	5 2	338m†	0	70	K1620	M308	U.H.F.Programmable Divider;divide by 10/11
2#	SP647B	16	250M	MOS	4.1%	3 7*	0.0	5 2	338m†	0	70	K1620a	M308	U.H.F.Programmable Divider;divide by 10/11
3#	SP642A	16	300M	MOS	4 1%	3.7*	0.0	5.2	338m†	-55	125	K1620	M308	U.H.F.Programmable Divider;divide by 10/11
4#	SP642B	16	300M	MOS	4.1%	3.7*	0 0	5.2	338m†	0	70	K1620	M308	U.H.F.Programmable Divider;divide by 10/11
5#	SP643B	16	350M	MOS	4.1%	3.7*	0.0	5.2	338m†	0	70	K1620	M308	U.H.F.Programmable Divider;divide by 10/11
6	T105	16	15M	PCB	5.0	0.0	0.0	5.0	750m%			K168	CB⍁	Modulo-N divider, fan out 10.
7#	SAJ110	16		MON	6.0	1.0	0.0	7.0	200m†	-25	125	K1624	M126b	Bi-polar Frequency Divider.
8#	SAJ110A	16	50k	MON	6.0%	1.0*	0.0	9.0		-10	60		TO116	Frequency divider,tr and tf 200ns max.
9#	SAJ110B	16	50k	MON	6.0%	1.0*	0.0	9.0		-10	60		M181	Frequency divider;tr and tf 200ns max.
10	MC14017AL	16		MOS	9 99%	.01*†	0.0	10	100u	-55	125	K15494	M191	Decade Counter/Divider
11	MC14017CL	16		MOS	9.99%	.01*†	0.0	10	1.0m	-40	85	K15494	M191	Decade Counter/Divider.
12	MC14017CP	16		MOS	9.99%	.01*†	0.0	10	1.0m	-40	85	K15494	M278	Decade Counter/Divider.
13	MC14521AL	16	9.0MΔ%	MOS	9.99%	.01*†	0.0	10	100u%	-55	125	K1623	M191	24-Stage Frequency Divider.
14	MC14521CL	16	9.0MΔ%	MOS	9.99%	.01*†	0.0	10	1.0m%	-40	85	K1623	M191	24-Stage Frequency Divider.
15	MC14521CP	16	9.0MΔ%	MOS	9.99%	.01*†	0.0	10	1.0m%	-40	85	K1623	M278	24-Stage Frequency Divider.
16	CAG6	17					15	15	400m	-55	125	K0237	CN45a	SPST Rds 6.0Ω;Ton, Toff 700ns max.
17	CAG6-10	17					15	15	400m	-55	125	K0237	CN45a	SPST Rds 10Ω,Ton, Toff 700ns max
18	CAG13	17		MOS			15	15	65m†	-55	125	K1714	TO100	SPST or SPDT;Rds50Ωmax;TonToff 500ns max.
19	CAG13A	17		MOS			15	15	65m†	-55	125	K1714	TO100	SPST or SPDT;Rds50Ωmax,TonToff500ns max.
20	CAG13C	17		MOS			15	15	65m†	-55	125	K1714	FP70	SPST or SPDT;Rds50Ωmax;TonToff500nsmax.
21	CAG13D	17		MOH			15	15	65m†	-55	125	K1720a	CN48g	SPST/SPDT,RDS 50Ωmax;Ton off 500ns mas.
22	CAG513	17		MOH			15	15	65m†	-55	125	K1714a	TO100	SPST/SPDT;RDS 50Ωmax;Ton/Off 500ns max.
23	DG118MDD	17		MOS			20	0 0	750m	-55	125	K15137	TO116	4 Channel; Ton 300ns max; Toff 1.0us max.
24	DG118MFD	17		MOS			20	0.0	750m	-55	125	K15137	TO86	4 Channel; Ton 300ns max; Toff 1.0us max.
25	DG121MDD	17		MOS			20	10	750m	-55	125	K15142	TO116	3 Channel; Ton 300ns max; Toff 2.0us max.
26	DG121MFD	17		MOS			20	10	750m	-55	125	K15142	TO86	3 Channel; Ton 300ns max; Toff 2.0us max.
27	DG125MDD	17		MOS			20	0.0	750m	-55	125	K15140	TO116	5 Channel; Ton 300ns max; Toff 1.0us max.
28	DG125MFD	17		MOS			20	0.0	750m	-55	125	K15140	TO86	5 Channel; Ton 300ns max; Toff 1.0us max.
29	IG126DD	17					18	12	750m	-55	125	K177a	M105ah	2Chan.Driver with DPST Fet Switch;ton600ns
30	IG126FD	17					18	12	750m	-55	125	K177a	FP32a	2Chan.Driver with DPST Fet Switch,ton600ns
31	IG129DD	17					18	12	750m	-55	125	K177b	M105ah	2Chan.Driver with DPST Fet Switch;ton600ns
32	IG129FD	17					18	12	750m	-55	125	K177b	FP32a	2Chan.Driver with DPST Fet Switch;ton600ns
33	IG133DD	17					18	12	750m	-55	125	K178b	M105ah	2Chan.Driver with SPST Fet Switch;ton600ns
34	IG133FD	17					18	12	750m	-55	125	K178b	FP32a	2Chan.Driver with SPST Fet Switch;ton600ns
35	IG134DD	17					18	12	750m	-55	125	K178c	M105ah	2Chan.Driver with SPST Fet Switch,ton600ns
36	IG134FD	17					18	12	750m	-55	125	K178c	FP32a	2Chan.Driver with SPST Fet Switch;ton600ns
37	IG426DD	17					18	12	750m	0	70	K177d	M105ah	2Chan.Driver with DPST Fet Switch;ton1.0us
38	IG426FD	17					18	12	750m	0	70	K177d	FP32a	2Chan.Driver with DPST Fet Switch;ton1.0us
39	IG429DD	17					18	12	750m	0	70	K177d	M105ah	2Chan.Driver with DPST Fet Switch;ton1.0us
40	IG429FD	17					18	12	750m	0	70	K177d	FP32a	2Chan.Driver with DPST Fet Switch;ton1.0us
41	IG433DD	17					18	12	750m	0	70	K178d	M105ah	2Chan.Driver with SPST Fet Switch;ton1.0us
42	IG433FD	17					18	12	750m	0	70	K178d	FP32a	2Chan.Driver with SPST Fet Switch;ton1.0us
43	IG434DD	17					18	12	750m	0	70	K178d	M105ah	2Chan.Driver with SPST Fet Switch;ton1.0us
44	IG434FD	17					18	12	750m	0	70	K178d	FP32a	2Chan Driver with SPST Fet Switch;ton1 0us
45	IH5009CPE	17					0.0	15	500m	0	70	K1735	M269	4 Chan,Rds(on)100Ω max;ton,toff 500ns.
46	IH5010CPE	17					0.0	15	500m	0	70	K1735	M269	4 Chan;Rds(on)150Ω max;ton,toff 500ns.
47	IH5011CPD	17					0.0	15	500m	0	70	K1736	M223a	4 Chan;Rds(on)100Ω max;ton,toff 500ns.
48	IH5012CPD	17					0.0	15	500m	0	70	K1736	M223a	4 Chan;Rds(on)150Ω max;ton,toff 500ns.
49	NC450	17		MOH			15	5 0	1.2	-55	125	K176	CN48e	Dual Fet; Ron 50Ωmax
50	NC451	17		MOH			15	5.0	1.2	-55	125	K176	CN48e	Dual Fet; Ron 100Ωmax.
51	SH3002HC	17		MON			10	10	350m	0	70	K0114	TO100	SPDT;TTL;ton 75ns typ.
52	SH3002HM	17		MON			10	10	350m	-55	125	K0114	TO100	SPDT;TTL;ton 75ns typ.
53	SI3001	17		MOS			20	10	500m	-55	125	K179	TO100	FET with Driver; ton 300ns; toff 600ns.
54	2110	17	1.0M				18	18	800m	-55	85	K1723	CN44	SPST Hybrid FET;BVCBO 125V;BVEBO 11V.
55	2110A	17	1.0M				18	18	800m	-55	125	K1723	CN44	SPST Hybrid FET;BVCBO 125V;BVEBO 11V.
56	CD4016AD	17	10M%	MOS			5.0	5.0	5.0u%	-55	125	K1722	Δ001AD	Quad Bilateral Switch;tpd 10ns.
57	CD4016AE	17	10M%	MOS			5.0	5.0	5.0u%	-40	85	K1722	Δ001AB	Quad Bilateral Switch;tpd 10ns.
58	CD4016AK	17	10M%	MOS			5.0	5 0	5.0u%	-55	125	K1722	Δ004AF	Quad Bilateral Switch;tpd 10ns
59▼	CM4116AD	17	10M%	MOS			0.0	15	200m	-55	125	K1722	M105av	Quad Bilateral Switch;tpd 10ns.
60▼	CM4116AE	17	10M%	MOS			0.0	15	200m	-40	85	K1722	M105av	Quad Bilateral Switch;tpd 10ns.
61▼	CM4116AF	17	10M%	MOS			0.0	15	200m	-55	125	K1722	M105av	Quad Bilateral Switch;tpd 10ns.
62	SCL4016AD	17	10M	MOS			5.0	5.0	5.0u	-55	125	K1722	Δ001AD	Quad Bilateral Switch;tpd 10ns.
63	SCL4016AE	17	10M	MOS			5.0	5.0	5 0u	-40	125	K1722	Δ001AB	Quad Bilateral Switch;tpd 10ns.
64	SCL4016AF	17	10M	MOS			5.0	5 0	5.0u	-55	125	K1722	Δ004AF	Quad Bilateral Switch;tpd 10ns.
65	DG121AL	17		MOS	50	4.1	20	10	750m	-55	125	K15142	TO86	3 Channel DPST Switch w/Driver.
66	DG121AP	17		MOS	.50	4.1	20	10	750m	-55	125	K15142	TO116	3 Channel DPST Switch w/Driver.
67	DG121BL	17		MOS	.50	4.1	20	10	750m	-20	85	K15142	TO86	3 Channel DPST Switch w/Driver.
68	DG121BP	17		MOS	.50	4.1	20	10	750m	-20	85	K15142	TO116	3 Channel DPST Switch w/Driver.
69	AH5010CN	17			.50*	4.5*			500m†	-25	85	K1735	M344	4 Chan;RDS(on)150Ω max;ton,toff 500ns max.
70	AH5012CN	17			.50*	4.5*			500m†	-25	85	K1736	M345	4 Chan;RDS(on)150Ω max;ton,toff 500ns max.
71	AH5014CN	17			.50*	4.5*			500m†	-25	85	K1735a	M344	3 Chan;RDS(on)150Ω max;ton,toff 500ns max.
72	AH5016CN	17			.50*	4.5*			500m†	-25	85	K1736a	M345	3 Chan;RDS(on)150Ω max;ton,toff 500ns max.
73	AH5018CN	17			50*	4.5*			500m†	-25	85	K1735b	M239b	2 Chan,RDS(on)150Ω max;ton,toff 500ns max.
74	AH5020CN	17			.50*	4.5*			500m†	-25	85	K1736b	M239b	2 Chan;RDS(on)150Ω max;ton,toff 500ns max.
75	AH5022CN	17			.50*	4.5*			500m†	-25	85	K1735c	M239b	1 Chan;RDS(on)150Ω max;ton,toff 500ns max.
76	AH5024CN	17			.50*	4.5*			500m†	-25	85	K1736c	M239b	1 Chan;RDS(on)150Ω max;ton,toff 500ns max.
77	IH5010CPD	17			.50*	4.5%			500m	0	70	K1735	M223a	4 Chan,Rds(on)150Ω max;ton,toff 500ns max.
78	IH5012CPE	17			.50*	4.5%			500m	0	70	K1736	M269	4 Chan;Rds(on)150Ω max;ton,toff 500ns max.
79	IH5014CPD	17			.50*	4.5%			500m	0	70	K1735a	M223a	3 Chan;Rds(on)150Ω max;ton,toff 500ns max.
80	IH5016CPE	17			.50*	4.5%			500m	0	70	K1736a	M269	3 Chan;Rds(on)150Ω max,ton,toff 500ns max.
81	IH5018CPA	17			.50*	4.5%			500m	0	70	K1735b	M239	2 Chan;Rds(on)150Ω max;ton,toff 500ns max.
82	IH5020CPA	17			.50*	4 5%			500m	0	70	K1736b	M239	2 Chan,Rds(on)150Ω max;ton,toff 500ns max.
83	IH5022CPA	17			.50*	4.5%			500m	0	70	K1735c	M239	1 Chan;Rds(on)150Ω max;ton,toff 500ns max.
84	IH5024CPA	17			.50*	4.5%			500m	0	70	K1736c	M239	1 Chan;Rds(on)150Ω max;ton,toff 500ns max.
85	DG111MDD	17		MOS	1.0*		20	10	750m	-55	125	K1729	TO116	2 Channel, Ton 300ns max; Toff 1.0us max.
86	DG111MFD	17		MOS	1.0*		20	10	750m	-55	125	K1729	TO86	2 Channel; Ton 300ns max; Toff 1.0us max.
87	DG112MDD	17		MOS	1.0*		20	10	750m	-55	125	K1730	TO116	2 Channel; Ton 300ns max; Toff 1.0us max.
88	DG112MFD	17		MOS	1 0*		20	10	750m	-55	125	K1730	TO86	2 Channel; Ton 300ns max; Toff 1.0us max.
89	DG116MDD	17		MOS	1.0*		20	0.0	750m	-55	125	K382a	TO116	4 Channel, Ton 300ns max; Toff 1.0us max.
90	DG116MFD	17		MOS	1.0*		20	0.0	750m	-55	125	K382a	TO86	2 Channel; Ton 300ns max; Toff 1.0us max.
91	DG120MDD	17		MOS	1 0*		20	10	750m	-55	125	K15141	TO116	3 Channel; Ton 300ns max; Toff 2.0us max.
92	DG120MFD	17		MOS	1.0*		20	10	750m	-55	125	K15141	TO86	5 Channel; Ton 300ns max; Toff 2.0us max.
93	DG123MDD	17		MOS	1.0*		20	0.0	750m	-55	125	K382b	TO116	5 Channel; Ton 300ns max; Toff 1.0us max.
94	DG123MFD	17		MOS	1.0*		20	0.0	750m	-55	125	K382b	TO86	5 Channel; Ton 300ns max; Toff 1.0us max.
95	DG120AL	17		MOS	1.0	.40	20	10	750m	-55	125	K15141	TO86	3 Channel DPST Switch w/Driver.
96	DG120AP	17		MOS	1.0	.40	20	10	750m	-55	125	K15141	TO116	3 Channel DPST Switch w/Driver.
97	DG120BL	17		MOS	1.0	.40	20	10	750m	-20	85	K15141	TO86	3 Channel DPST Switch w/Driver.
98	DG120BP	17		MOS	1.0	.40	20	10	750m	-20	85	K15141	TO116	3 Channel DPST Switch w/Driver.
99	DGM122AL	17		MOS	1.3	40	20	10	750m	-55	125	K15143	TO86	2 Channel DPST Switch w/Driver.
100	DGM122AP	17		MOS	1.3	.40	20	10	750m	-55	125	K15143	TO116	2 Channel DPST Switch w/Driver.
101	DGM122BL	17		MOS	1.3	.40	20	10	750m	-20	85	K15143	TO86	2 Channel DPST Switch w/Driver
102	DGM122BP	17		MOS	1.3	.40	20	10	750m	-20	85	K15143	TO116	2 Channel DPST Switch w/Driver.
103	MM450TW	17		MOS	1 5%		25	0 0	200m	-55	125	K1737	CN63	Rds(on)600Ω max;Id(off)200pA max.
104	MM451TW	17		MOS	1.5%		25	0.0	200m	-55	125	K3814a	CN63	Rds(on)600Ω max;Id(off)200pA max.
105	MM452FD	17		MOS	1.5%		25	0.0	200m	-55	125	K1738	TO86	Rds(on)600Ω max;Id(off)200pA max.
106	MM455TW	17		MOS	1.5%		25	0.0	200m	-55	125	K1738a	CN63	Rds(on)600Ω max;Id(off)200pA max.
107	MM550TW	17		MOS	1.5%		25	0.0	200m	-25	70	K1737	CN63	Rds(on)600Ω max;Id(off)20nA max
108	MM551TW	17		MOS	1.5%		25	0.0	200m	-25	70	K3814a	CN63	Rds(on)600Ω max;Id(off)20nA max.
109	MM552FD	17		MOS	1.5%		25	0.0	200m	-25	70	K1738	TO86	Rds(on)600Ω max;Id(off)20nA max.
110	MM555TW	17		MOS	1.5%		25	0.0	200m	-25	70	K1738a	CN63	Rds(on)600Ω max;Id(off)20nA max.

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	[5] TYPE No.	[1] USE	[4] MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL [2] '1' (V)	LOGIC LEVEL [3] '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	AH5009CN	17			1.5*	11*			500mt	-25	85	K1735	M344	4 Chan;RDS(on)100Ω max;ton,toff 500ns max.
2	AH5011CN	17			1.5*	11*			500mt	-25	85	K1736	M345	4 Chan;RDS(on)100Ω max;ton,toff 500ns max.
3	AH5013CN	17			1.5*	11*			500mt	-25	85	K1735a	M344	3 Chan;RDS(on)100Ω max;ton,toff 500ns max.
4	AH5015CN	17			1.5*	11*			500mt	-25	85	K1736a	M345	3 Chan,RDS(on)100Ω max;ton,toff 500ns max.
5	AH5017CN	17			1.5*	11*			500mt	-25	85	K1735b	M239b	2 Chan;RDS(on)100Ω max;ton,toff 500ns max.
6	AH5019CN	17			1.5*	11*			500mt	-25	85	K1736b	M239b	2 Chan;RDS(on)100Ω max;ton,toff 500ns max.
7	AH5021CN	17			1.5*	11*			500mt	-25	85	K1735c	M239b	1 Chan;RDS(on)100Ω max;ton,toff 500ns max.
8	AH5023CN	17			1.5*	11*			500mt	-25	85	K1736c	M239b	1 Chan;RDS(on)100Ω max;ton,toff 500ns max.
9	IH5009CPD	17			1.5*	11%			500m	0	70	K1735	M223a	4 Chan;Rds(on)100Ω max;ton,toff 500ns max.
10	IH5011CPE	17			1.5*	11%			500m	0	70	K1736	M269	4 Chan;Rds(on)100Ω max;ton,toff 500ns max.
11	IH5013CPD	17			1.5*	11%			500m	0	70	K1735a	M223a	3 Chan;Rds(on)100Ω max;ton,toff 500ns max.
12	IH5015CPE	17			1.5*	11%			500m	0	70	K1736a	M269	3 Chan;Rds(on)100Ω max;ton,toff 500ns max.
13	IH5017CPA	17			1.5*	11%			500m	0	70	K1735b	M239	2 Chan;Rds(on)100Ω max;ton,toff 500ns max.
14	IH5019CPA	17			1.5*	11%			500m	0	70	K1736b	M239	2 Chan;Rds(on)100Ω max;ton,toff 500ns max.
15	IH5021CPA	17			1.5*	11%			500m	0	70	K1735c	M239	1 Chan;Rds(on)100Ω max;ton,toff 500ns max.
16	IH5023CPA	17			1.5*	11%			500m	0	70	K1736c	M239	1 Chan,Rds(on)100Ω max;ton,toff 500ns max.
17	DAS2126B3	17	1.0M	TFH	2.0	0.0	15	15	1.2	-55	125		CN48k	SPDT,Ton 1.5nS;Toff 1.5nS.
18	AH0014CD	17		MOS	2.0%	.80*	0.0	5.0	11m%	-25	85	K15296	M297a	Res ON 200Ω max;ton 350ns;toff 400ns.
19	AH0014CF	17		MOS	2.0%	.80*	0.0	5.0	11m%	-25	85	K15296	FP87	Res On 200Ω max;ton 350ns;toff 400ns.
20	AH0014D	17		MOS	2.0%	80*	0.0	5.0	11m%	-55	125	K15296	M297a	Res On 200Ω max;ton 350ns;toff 400ns.
21	AH0014F	17		MOS	2.0%	.80*	0.0	5.0	11m%	-55	125	K15296	FP87	Res On 200Ω max;ton 350ns;toff 400ns.
22	AH0015CD	17		MOS	2.0%	.80*	0.0	5.0	20m%	-25	85	K1753	M224b	Res On 200Ω max;ton 100ns;toff 400ns.
23	AH0015D	17		MOS	2.0%	80*	0.0	5.0	20m%	-55	125	K1753	M224b	Res On 200Ω max;ton 100ns;toff 400ns.
24	AH0019CD	17		MOS	2.0%	.80*	0.0	5.0	10m%	-25	85	K15297	M297a	Res On 200Ω max;ton 100ns;toff 400ns.
25	AH0019CF	17		MOS	2.0%	.80*	0.0	5.0	10m%	-25	85	K15297	FP87	Res On 200Ω max;ton 100ns;toff 400ns.
26	AH0019D	17		MOS	2.0%	80*	0.0	5.0	10m%	-55	125	K15297	M297a	Res On 200Ω max;ton 100ns;toff 400ns.
27	AH0019F	17		MOS	2.0%	.80*	0.0	5.0	10m%	-55	125	K15297	FP87	Res On 200Ω max;ton 100ns;toff 400ns.
28	DG181AA	17		MON	2.0	.80	15	15	750m	-55	125	K1743	TO100	Driver w/FET SW;ton 150ns;toff 130ns.
29	DG181AL	17		MON	2.0	80	15	15	750m	-55	125		TO86	Driver w/FET SW;ton 150ns;toff 130ns.
30	DG181AP	17		MON	2.0	.80	15	15	1.2	-55	125		TO116	Driver w/FET SW;ton 150ns;toff 130ns.
31	DG181BA	17		MON	2.0	.80	15	15	750m	-20	85	K1743	TO100	Driver w/FET SW;ton 180ns,toff 150ns.
32	DG181BL	17		MON	2.0	.80	15	15	750m	-20	85		TO86	Driver w/FET SW;ton 180ns;toff 150ns.
33	DG181BP	17		MON	2.0	.80	15	15	1.2	-20	85		TO116	Driver w/FET SW;ton 180ns;toff 150ns.
34	DG182AA	17		MON	2.0	80	15	15	750m	-55	125	K1743	TO100	Driver w/FET SW;ton 150ns;toff 130ns.
35	DG182AL	17		MON	2.0	.80	15	15	750m	-55	125		TO86	Driver w/FET SW;ton 250ns;toff 130ns.
36	DG182AP	17		MON	2.0	.80	15	15	1.2	-55	125		TO116	Driver w/FET SW;ton 250ns;toff 130ns.
37	DG182BA	17		MON	2.0	.80	15	15	750m	-20	85	K1743	TO100	Driver w/FET SW;ton 180ns;toff 150ns.
38	DG182BL	17		MON	2.0	80	15	15	750m	-20	85		TO86	Driver w/FET SW;ton 300ns;toff 150ns.
39	DG182BP	17		MON	2.0	.80	15	15	1.2	-20	85		TO116	Driver w/FET SW;ton 300ns;toff 150ns.
40	DG184AL	17		MON	2.0	.80	15	15	750m	-55	125		TO86	Driver w/FET SW;ton 150ns;toff 130ns.
41	DG184AP	17		MON	2.0	.80	15	15	750m	-55	125	K1744	M224a	Driver w/FET SW;ton 150ns;toff 130ns.
42	DG184BL	17		MON	2.0	.80	15	15	750m	-20	85		TO86	Driver w/FET SW;ton 180ns;toff 150ns.
43	DG184BP	17		MON	2.0	80	15	15	750m	-20	85	K1744	M224a	Driver w/FET SW;ton 180ns;toff 150ns.
44	DG185AL	17		MON	2.0	.80	15	15	750m	-55	125		TO86	Driver w/FET SW,ton 250ns,toff 130ns.
45	DG185AP	17		MON	2.0	.80	15	15	750m	-55	125	K1744	M224a	Driver w/FET SW;ton 150ns;toff 130ns.
46	DG185BL	17		MON	2.0	.80	15	15	750m	-20	85		TO86	Driver w/FET SW;ton 300ns;toff 150ns.
47	DG185BP	17		MON	2.0	.80	15	15	750m	-20	85	K1744	M224a	Driver w/FET SW;ton 180ns;toff 150ns.
48	DG187AA	17		MON	2.0	.80	15	15	750m	-55	125	K1745	TO100	Driver w/FET SW;ton 150ns;toff 130ns.
49	DG187AL	17		MON	2.0	.80	15	15	750m	-55	125		TO86	Driver w/FET SW;ton 150ns;toff 130ns.
50	DG187AP	17		MON	2.0	.80	15	15	1.2	-55	125		TO116	Driver w/FET SW;ton 150ns;toff 130ns.
51	DG187BA	17		MON	2.0	.80	15	15	750m	-20	85	K1745	TO100	Driver w/FET SW;ton 180ns;toff 150ns.
52	DG187BL	17		MON	2.0	.80	15	15	750m	-20	85		TO86	Driver w/FET SW;ton 180ns;toff 150ns.
53	DG187BP	17		MON	2.0	.80	15	15	1.2	-20	85		TO116	Driver w/FET SW;ton 180ns;toff 150ns.
54	DG188AA	17		MON	2.0	.80	15	15	750m	-55	125	K1745	TO100	Driver w/FET SW;ton 150ns;toff 130ns.
55	DG188BA	17		MON	2.0	.80	15	15	750m	-20	85	K1745	TO100	Driver w/FET SW;ton 180ns;toff 150ns.
56	DG188BL	17		MON	2.0	.80	15	15	750m	-20	85		TO86	Driver w/FET SW;ton 300ns;toff 150ns.
57	DG188BP	17		MON	2.0	.80	15	15	1.2	-20	85		TO116	Driver w/FET SW;ton 300ns;toff 150ns.
58	DG190AL	17		MON	2.0	.80	15	15	750m	-55	125		TO86	Driver w/FET SW;ton 150ns;toff 130ns.
59	DG190AP	17		MON	2.0	.80	15	15	750m	-55	125	K1746	M224a	Driver w/FET SW;ton 150ns;toff 130ns.
60	DG190BL	17		MON	2.0	.80	15	15	750m	-20	85		TO86	Driver w/FET SW;ton 180ns;toff 150ns.
61	DG190BP	17		MON	2.0	80	15	15	750m	-20	85	K1746	M224a	Driver w/FET SW;ton 180ns;toff 150ns.
62	DG191AL	17		MON	2.0	80	15	15	750m	-55	125		TO86	Driver w/FET SW;ton 250ns;toff 130ns.
63	DG191AP	17		MON	2.0	.80	15	15	750m	-55	125	K1746	M224a	Driver w/FET SW;ton 150ns;toff 130ns.
64	DG191BL	17		MON	2.0	.80	15	15	750m	-20	85		TO86	Driver w/FET SW;ton 300ns;toff 150ns.
65	DG191BP	17		MON	2.0	.80	15	15	750m	-20	85	K1746	M224a	Driver w/FET SW;ton 180ns;toff 150ns.
66	DG200AA	17		MOS	2.0	.80	15	15	450m	-55	125	K1752	TO100	CMOS Analog Gate;ton 1.0us;toff 500ns.
67	DG200AL	17		MOS	2.0	.80	15	15	750m	-55	125		TO86	CMS Analog Gate;ton 1.0us;toff 500ns.
68	DG200BA	17		MOS	2.0	.80	15	15	450m	-20	85	K1752	TO100	CMOS Analog Gate;ton 1.0us;toff 500ns.
69	DG200BL	17		MOS	2.0	.80	15	15	750m	-20	85		TO86	CMS Analog Gate;ton 1.0us;toff 500ns.
70	DG201AP	17		MOS	2.0	.80	15	15	1.2	-55	125	K1758	TO116	CMS 4 SPST Gate;ton 1.0us max;toff500nsmax
71	DG201BP	17		MOS	2.0	.80	15	15	1.2	-55	125	K1758	TO116	CMS 4 SPST Gate;ton 520ns;toff 330ns max.
72	DG201CJ	17		MOS	2.0	.80	15	15	470m	0	70	K1758	TO116	CMS 4 SPST Analog Gate;ton520ns;toff330ns.
73	SI3002BK	17		MOS	2.0	80	20	10	500m	-20	85	K1710b	TO116	MOS SW w/Driver;Rds(on) 100Ω.
74	CAG30	17		MOH	2.0%	1.0*	18	18	150m	-55	125	K1719	TO100	SPST;RDS60Ωmax;Ton1 0us max;Toff500nsmax.
75	CDA28A	17		MOH	2.0%	1.0*	18	18	300m	-55	125	K1751	TO116	Quad Dual Reference Ladders with ±10V Ref.
76	CDA28B	17		MOH	2.0%	1.0*	18	18	300m	-20	85	K1751	TO116	Quad Dual Reference Ladders with ±10V Ref.
77	SI3002AA	17		MOS	2.0	8.0	20	10	500m	-55	125	K1710a	TO100	MOS SW/w/Driver;rds(on)100Ω.
78	MM450	17		MOS	2.2	0.0	20	0.0	200m	-55	125	K172	TO100	Dual differential switch.
79	MM451	17		MOS	2.2	0.0	20	0.0	200m	-55	125	K173	TO100	Four channel switch.
80	MM452	17		MOS	2.2	0.0	20	0.0	200m	-55	125	K174	FP21f	Four MOS Transistor package.
81	MM455	17		MOS	2.2	0.0	20	0.0	200m	-55	125	K1716	TO100	Three MOS Transistor package.
82	MM550	17		MOS	2.2	0.0	20	0.0	200m	-25	70	K172	TO100	Dual differential switch.
83	MM551	17		MOS	2.2	0 0	20	0 0	200m	-25	70	K173	TO100	Four channel switch.
84	MM552	17		MOS	2.2	0.0	20	0.0	200m	-25	70	K174	FP21f	Four MOS Transistor package.
85	MM555	17		MOS	2.2	0.0	20	0.0	200m	-25	70	K1716	TO100	Three MOS Transistor package.
86	CAG42	17	500k	TFH	2.4	.50	18	18	65mt	-55	125	K1714	TO100	Dual FET Switch;Rds 50Ω max;±10V Signals.
87	CAG10	17			2.4%	.60*	15	15		-55	125	K0230	CN57a	SPST;Rds 30Ωmax;Ton 50nsec;Toff50nsec.
88	CAG10A	17			2 4%	.60*	15	15		-55	125	K0230	CN57a	SPST;Rds 6.0Ωmax;Ton 50nsec;Toff 100nsec.
89	CAG10B	17			2.4%	.60*	15	15		-55	125	K0230	CN57a	SPST;Rds 50Ωmax;Ton50nsec;Toff50nsec.
90	CAG10C	17			2.4%	.60*	15	15		-55	125	K0230	CN57a	SPST;Rds 10Ωmax;Ton 50nsec;Toff 100nsec.
91	CAG24	17		MOH	2.4%	.60*	15	15	6 0mt	-55	125	K1721	CN48g	SPST/SPDT;RDS 30Ωmax;Ton off 10us max.
92▼	AD7510K	17		MON	2.4%	.80*	15	15	450m	0	75	K1762	M361	Quad;RDS(ON)75Ω;ton,toff 1.0us.
93▼	AD7510S	17		MON	2.4%	.80*	15	15	450m	-55	125	K1762	M361	Quad;RDS(ON)75Ω;ton,toff 1.0us.
94▼	AD7511KD	17		MON	2.4%	.80*	15	15	450m	0	75		M361	Quad;RDS(ON) 75Ω;ton 1.2us;toff 800ns.
95▼	AD7511KN	17		MON	2.4%	.80*	15	15	670m	0	75		M345a	Quad;RDS(ON) 75Ω;ton 1.2us;toff 800ns.
96▼	AD7511TD	17		MON	2.4%	.80*	15	15	450m	-55	125		M361	Quad;RDS(ON) 75Ω;ton 1.2us;toff 800ns.
97▼	AD7512KD	17		MON	2.4%	.80*	15	15	450m	0	75	K1763		Dual SPDT;R(ON)70Ω;trans time 1.2us.
98▼	AD7512KN	17		MON	2.4%	.80*	15	15	670m	0	75	K1763	M105aj	Dual SPDT;R(ON)70Ω;trans time 1.2us.
99▼	AD7512TD	17		MON	2.4%	.80*	15	15	450m	-55	125	K1763		Dual SPDT;R(ON) 70Ω;trans time 1.2us.
100▼	AD7513KH	17		MON	2.4%	.80*	15	15	450m	0	75	K1764	TO100	Dual SPDT;RDS(ON) 55Ω;ton 700ns.
101▼	AD7513KN	17		MON	2.4%	.80*	15	15	670m	0	75	K1764	M105aj	Dual SPDT;RDS(ON) 55Ω;ton 700ns.
102▼	AD7513TH	17		MON	2.4%	.80*	15	15	450m	-55	125	K1764	TO100	Dual SPDT;RDS(ON) 55Ω;ton 700ns.
103	CAG21	17	•	MOH	2.4%	.80*	15	15	130mt	-55	125	K1712	FP70	Dual FET DPST; Ton 1.0ns; Toff 200ns.
104	CAG22	17		MOH	2.4%	.80*	15	15	130mt	-55	125	K1712	FP70	SPST Dual FET; Ton 400ns; Toff 200ns.
105	CAG23	17		MOH	2.4%	.80*	15	15	130mt	-55	125	K1712	FP70	Dual FET SPST; Ton 400ns; Toff 200ns.
106	DG200AP	17		MOS	2.4%	.80*	15	15	450m	-55	125	K1743c	M324	CMS Dual SPST;RDS(ON)70Ω;ton 1.0us max.
107	DG200BP	17		MOS	2.4%	.80*	15	15	450m	0	70	K1743c	M324	CMS Dual SPST;RDS(ON)70Ω;ton 1.0us max.
108	IH5040CDE	17		MOS	2.4%	.80*	15	15	450m	0	70	K1755a	M324	CMS SPST;RDS(on)75Ω max;ton1.0us;toff500ns
109	IH5040CPE	17		MOS	2.4%	.80*	15	15	450m	0	70	K1755a	M324	CMS SPST;RDS(on)75Ω max;ton1.0us;toff500ns
110	IH5040MDE	17		MOS	2.4%	.80*	15	15	450m	-55	125	K1755a	M324	CMS SPST;RDS(on)75Ω max;ton1.0us;toff500ns

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	IH5040MFD	17		MOS	2.4%	.80*	15	15	450m	-55	125	K1755	FP94	CMS SPST,RDS(on)75Ω max;ton1.0us;toff500ns
2	IH5041CDE	17		MOS	2.4%	.80*	15	15	450m	0	70	K1743d	M324	CMS Dual SPST;RDS(on)75Ω max;ton 1.0us.
3	IH5041CPE	17		MOS	2.4%	.80*	15	15	450m	0	70	K1743d	M324	CMS Dual SPST;RDS(on)75Ω max;ton 1.0us.
4	IH5041MDE	17		MOS	2.4%	.80*	15	15	450m	-55	125	K1743d	M324	CMS Dual SPST;RDS(on)75Ω max;ton 1.0us.
5	IH5041MFD	17		MOS	2.4%	.80*	15	15	450m	-55	125	K1743a	FP94	CMS Dual SPST;RDS(on)75Ω max;ton 1.0us.
6	IH5042CDE	17		MOS	2.4%	.80*	15	15	450m	0	70	K1745b	M324	CMS SPDT;RDS(on)75Ω max;ton1.0us;toff500ns
7	IH5042CPE	17		MOS	2.4%	.80*	15	15	450m	0	70	K1745b	M324	CMS SPDT;RDS(on)75Ω max;ton1.0us;toff500ns
8	IH5042CTW	17		MOS	2.4%	.80*	15	15	450m	0	70	K1745c	TO100	CMS SPDT;RDS(on)75Ω max;ton1.0us;toff500ns
9	IH5042MDE	17		MOS	2.4%	.80*	15	15	450m	-55	125	K1745b	M324	CMS SPDT;RDS(on)75Ω max;ton1.0us;toff500ns
10	IH5042MFD	17		MOS	2.4%	.80*	15	15	450m	-55	125	K1745a	FP94	CMS SPDT;RDS(on)75Ω max;ton1.0us;toff500ns
11	IH5042MTW	17		MOS	2.4%	.80*	15	15	450m	-55	125	K1745c	TO100	CMS SPDT;RDS(on)75Ω max;ton1.0us;toff500ns
12	IH5043CDE	17		MOS	2.4%	.80*	15	15	450m	0	70	K1746	M324	CMS Dual SPDT;RDS(on)75Ω max;ton 1.0us.
13	IH5043CPE	17		MOS	2.4%	80*	15	15	450m	0	70	K1746	M324	CMS Dual SPDT;RDS(on)75Ω max,ton 1.0us.
14	IH5043MDE	17		MOS	2.4%	.80*	15	15	450m	-55	125	K1746	M324	CMS Dual SPDT;RDS(on)75Ω max;ton 1.0us.
15	IH5043MFD	17		MOS	2.4%	.80*	15	15	450m	-55	125	K1746a	FP99	CMS Dual SPDT;RDS(on)75Ω max;ton 1.0us.
16	IH5044CDE	17		MOS	2.4%	.80*	15	15	450m	0	70	K1756a	M324	CMS DPST;RDS(on)75Ω max;ton1 0us;toff500ns
17	IH5044CPE	17		MOS	2.4%	80*	15	15	450m	0	70	K1746	M324	CMS DPST;RDS(on)75Ω max;ton1.0us;toff500ns
18	IH5044CTW	17		MOS	2.4%	.80*	15	15	450m	0	70	K1756b	TO100	CMS DPST;RDS(on)75Ω max;ton1.0us;toff500ns
19	IH5044MDE	17		MOS	2.4%	.80*	15	15	450m	-55	125	K1756a	M324	CMS DPST;RDS(on)75Ω max;ton1.0us;toff500ns
20	IH5044MFD	17		MOS	2.4%	80*	15	15	450m	-55	125	K1756	FP99	CMS DPST;RDS(on)75Ω max;ton1.0us;toff500ns
21	IH5044MTW	17		MOS	2.4%	.80*	15	15	450m	-55	125	K1756b	TO100	CMS DPST;RDS(on)75Ω max;ton1.0us;toff500ns
22	IH5045CDE	17		MOS	2.4%	.80*	15	15	450m	0	70	K1744	M324	CMS Dual DPST;RDS(on)75Ω max;ton 1.0us.
23	IH5045CPE	17		MOS	2.4%	.80*	15	15	450m	0	70	K1744	M324	CMS Dual DPST;RDS(on)75Ω max;ton 1.0us.
24	IH5045MDE	17		MOS	2.4%	.80*	15	15	450m	-55	125	K1744	M324	CMS Dual DPST;RDS(on)75Ω max;ton 1.0us.
25	IH5045MFD	17		MOS	2.4%	80*	15	15	450m	-55	125	K1744a	FP99	CMS Dual DPST;RDS(on)75Ω max;ton 1.0us.
26	IH5046CDE	17		MOS	2.4%	.80*	15	15	450m	0	70	K1757a	M324	CMS DPDT;RDS(on)75Ω max;ton1.0us;toff500ns
27	IH5046CPE	17		MOS	2.4%	80*	15	15	450m	0	70	K1757a	M324	CMS DPDT;RDS(on)75Ω max;ton1.0us;toff500ns
28	IH5046CTW	17		MOS	2.4%	.80*	15	15	450m	0	70		TO100	CMS DPDT;RDS(on)75Ω max;ton1.0us;toff500ns
29	IH5046MDE	17		MOS	2.4%	.80*	15	15	450m	-55	125	K1757a	M324	CMS DPDT;RDS(on)75Ω max;ton1.0us;toff500ns
30	IH5046MFD	17		MOS	2.4%	.80*	15	15	450m	-55	125	K1757	FP99	CMS DPDT;RDS(on)75Ω max;ton1.0us;toff500ns
31	IH5046MTW	17		MOS	2.4%	.80*	15	15	450m	-55	125		TO100	CMS DPDT;RDS(on)75Ω max;ton1.0us;toff500ns
32	IH5047CDE	17		MOS	2.4%	.80*	15	15	450m	0	70	K1757a	M324	CMS 4PST;RDS(on)75Ω max;ton1.0us;toff500ns
33	IH5047CPE	17		MOS	2.4%	.80*	15	15	450m	0	70	K1757a	M324	CMS 4PST;RDS(on)75Ω max;ton1.0us;toff500ns
34	IH5047MDE	17		MOS	2.4%	80*	15	15	450m	-55	125	K1757a	M324	CMS 4PST;RDS(on)75Ω max;ton1.0us;toff500ns
35	IH5047MFD	17		MOS	2.4%	80*	15	15	450m	-55	125	K1757	FP99	CMS 4PST;RDS(on)75Ω max;ton1.0us;toff500ns
36	IH5048CDE	17		MOS	2.4%	.80*	15	15	450m	0	70	K1743c	M324	CMS Dual SPST;RDS(on)30Ω max;ton 1.0us.
37	IH5048CPE	17		MOS	2.4%	.80*	15	15	450m	0	70	K1743c	M324	CMS Dual SPST,RDS(on)30Ω max;ton 1.0us
38	IH5048CTW	17		MOS	2.4%	.80*	15	15	450m	0	70	K1743	TO100	CMS Dual SPST;RDS(on)30Ω max;ton 1.0us.
39	IH5048MDE	17		MOS	2.4%	.80*	15	15	450m	-55	125	K1743c	M324	CMS Dual SPST;RDS(on)30Ω max;ton 1.0us.
40	IH5048MFD	17		MOS	2.4%	80*	15	15	450m	-55	125	K1743b	FP99	CMS Dual SPST;RDS(on)30Ω max;ton 1.0us.
41	IH5048MTW	17		MOS	2.4%	.80*	15	15	450m	-55	125	K1743	TO100	CMS Dual SPST;RDS(on)30Ω max;ton 1.0us.
42	IH5049CDE	17		MOS	2.4%	.80*	15	15	450m	0	70	K1744	M324	CMS Dual DPST;RDS(on)30Ω max;ton 1.0us.
43	IH5049CPE	17		MOS	2.4%	.80*	15	15	450m	0	70	K1744	M324	CMS Dual DPST;RDS(on)30Ω max;ton 1.0us.
44	IH5049MDE	17		MOS	2.4%	80*	15	15	450m	-55	125	K1744	M324	CMS Dual DPST;RDS(on)30Ω max;ton 1.0us.
45	IH5049MFD	17		MOS	2.4%	.80*	15	15	450m	-55	125	K1744a	FP99	CMS Dual DPST;RDS(on)30Ω max;ton 1.0us.
46	IH5050CDE	17		MOS	2.4%	.80*	15	15	450m	0	70	K1745b	M324	CMS SPDT;RDS(on)30Ω max;ton1.0us;toff500ns
47	IH5050CPE	17		MOS	2.4%	80*	15	15	450m	0	70	K1745b	M324	CMS SPDT;RDS(on)30Ω max;ton1.0us;toff500ns
48	IH5050CTW	17		MOS	2.4%	.80*	15	15	450m	0	70	K1745c	TO100	CMS SPDT;RDS(on)30Ω max;ton1.0us;toff500ns
49	IH5050MDE	17		MOS	2.4%	.80*	15	15	450m	-55	125	K1745b	M324	CMS SPDT;RDS(on)30Ω max;ton1 0us;toff500ns
50	IH5050MFD	17		MOS	2.4%	.80*	15	15	450m	-55	125	K1745a	FP99	CMS SPDT;RDS(on)30Ω max;ton1.0us;toff500ns
51	IH5050MTW	17		MOS	2.4%	.80*	15	15	450m	-55	125	K1745c	TO100	CMS SPDT;RDS(on)30Ω max;ton1.0us;toff500ns
52	IH5051CDE	17		MOS	2.4%	.80*	15	15	450m	0	70	K1746	M324	CMS Dual SPDT;RDS(on)30Ω max;ton 1.0us.
53	IH5051CPE	17		MOS	2.4%	80*	15	15	450m	0	70	K1746	M324	CMS Dual SPDT;RDS(on)30Ω max;ton 1.0us.
54	IH5051MDE	17		MOS	2.4%	80*	15	15	450m	-55	125	K1746	M324	CMS Dual SPDT;RDS(on)30Ω max;ton 1.0us.
55	IH5051MFD	17		MOS	2.4%	.80*	15	15	450m	-55	125	K1746a	FP99	CMS Dual SPDT;RDS(on)30Ω max;ton 1.0us.
56	MH453F	17		MOS	2.4	.80*	30	30	6.0m	-55	125	K174		DTL/TTL Compatible MOS Switch.
57	CAG45	17	500k	TFH	2.4%	.80*	18	18	65mt	-20	85	K1714b	TO116	Dual FET Switch;Rds 50Ω max;±10V Signals.
58	CAG45A	17	500k	TFH	2.4%	80*	18	18	65mt	-55	125	K1714b	TO116	Dual FET Switch;Rds 50Ω max;±10V Signals.
59	CAG48	17	500k	TFH	2 4	.80	18	18	65mt	-20	85	K1750	M54d	Dual DPST FET Switch 50Ω ±10V Signal.
60	CAG48A	17	500k	TFH	2.4	.80	18	18	65mt	-55	125	K1750	M54d	Dual DPST FET Switch 50Ω ±10V Signal.
61	CAG20	17		MOH	2.4%	1.0*	15	15	130mt	-55	125	K1714a	TO100	Dual FET SPST;Ron50Ω;Ton.7us Toff1.3us.
62	DG126AL	17		MOS	2.5	80	18	12	750m	-55	125	K177j	TO86	2 Channel Driver w/FET Switches.
63	DG126AP	17		MOS	2.5	.80	18	12	750m	-55	125	K177j	TO116	2 Channel Driver w/FET Switches
64	DG129AL	17		MOS	2.5	.80	18	12	750m	-55	125	K177k	TO86	2 Channel Driver w/FET Switches
65	DG129AP	17		MOS	2.5	80	18	12	750m	-55	125	K177k	TO116	2 Channel Driver w/FET Switches
66	DG133AL	17		MOS	2.5	.80	18	12	750m	-55	125	K178j	TO86	2 Channel Driver w/FET Switches.
67	DG133AP	17		MOS	2.5	80	18	12	750m	-55	125	K178j	TO116	2 Channel Driver w/FET Switches.
68	DG134AL	17		MOS	2.5	.80	18	12	750m	-55	125	K178k	TO86	2 Channel Driver w/FET Switches.
69	DG134AP	17		MOS	2.5	.80	18	12	750m	-55	125	K178k	TO116	2 Channel Driver w/FET Switches.
70	DG140AL	17		MOS	2.5	.80	18	12	750m	-55	125	K177m	TO86	2 Channel Driver w/FET Switches.
71	DG141AL	17		MOS	2.5	.80	18	12	750m	-55	125	K178m	TO86	2 Channel Driver w/FET Switches.
72	DG141AP	17		MOS	2.5	.80	18	12	750m	-55	125	K178m	TO116	2 Channel Driver w/FET Switches
73	DG151AL	17		MOS	2.5	80	15	15	750m	-55	125	K178n	TO86	Driver w/FET SW;ton 1.0us;toff 2.5us.
74	DG151AP	17		MOS	2.5	.80	15	15	750m	-55	125	K178n	TO116	Driver w/FET SW;ton 1.0us;toff 2.5us.
75	DG151BL	17		MOS	2.5	.80	15	15	750m	-20	85	K178p	TO86	Driver w/FET SW;ton 1.5us;toff 2.5us.
76	DG151BP	17		MOS	2 5	.80	15	15	750m	-20	85	K178p	TO116	Driver w/FET SW;ton 1.5us;toff 2.5us.
77	DG152AL	17		MOS	2.5	.80	15	15	750m	-55	125	K178q	TO86	Driver w/FET SW;ton 600ns;toff 1.5us.
78	DG152AP	17		MOS	2.5	80	15	15	750m	-55	125	K178q	TO116	Driver w/FET SW;ton 600ns;toff 1.5us.
79	DG152BL	17		MOS	2.5	80	15	15	750m	-20	85	K178r	TO86	Driver w/FET SW;ton 1 0us;toff 2.0us
80	DG152BP	17		MOS	2.5	.80	15	15	750m	-20	85	K178r	TO116	Driver w/FET SW;ton 1.0us;toff 2.0us.
81	DG153AL	17		MOS	2.5	.80	15	15	750m	-55	125	K177n	TO86	Driver w/FET SW;ton 1.0us;toff 2.5us.
82	DG153BL	17		MOS	2 5	.80	15	15	750m	-20	85	K177p	TO86	Driver w/FET SW;ton 1.5us;toff 2.5us.
83	DG154AL	17		MOS	2.5	.80	15	15	750m	-55	125	K177q	TO86	Driver w/FET SW;ton 600ns,toff 1.5us
84	DG154AP	17		MOS	2.5	.80	15	15	750m	-55	125	K177q	TO116	Driver w/FET SW;ton 600ns;toff 1.5us.
85	DG154BL	17		MOS	2.5	.80	15	15	750m	-20	85	K177r	TO86	Driver w/FET SW;ton 1.0us;toff 2.0us.
86	DG154BP	17		MOS	2.5	.80	15	15	750m	-20	85	K177r	TO116	Driver w/FET SW;ton 1.0us;toff 2.0us
87	DG161AL	17		MOS	2.5	.80	15	15	750m	-55	125	K0249n	TO86	Driver w/FET SW;ton 1.0us;toff 800ns.
88	DG161AP	17		MOS	2.5	.80	15	15	750m	-55	125	K0249n	TO116	Driver w/FET SW;ton 1.0us;toff 800ns.
89	DG161BL	17		MOS	2.5	.80	15	15	750m	-20	85	K0249p	TO86	Driver w/FET SW;ton 1.5us;toff 1 0us.
90	DG161BP	17		MOS	2.5	.80	15	15	750m	-20	85	K0249p	TO116	Driver w/FET SW;ton 1.5us;toff 1.0us.
91	DG162AL	17		MOS	2.5	80	15	15	750m	-55	125	K0249q	TO86	Driver w/FET SW;ton 2.5us;toff 1.5us
92	DG162AP	17		MOS	2.5	.80	15	15	750m	-55	125	K0249q	TO116	Driver w/FET SW;ton 2.5us;toff 1.5us
93	DG162BL	17		MOS	2.5	.80	15	15	750m	-20	85	K0249r	TO86	Driver w/FET SW;ton 2.5us;toff 2.0us.
94	DG162BP	17		MOS	2.5	.80	15	15	750m	-20	85	K0249r	TO116	Driver w/FET SW;ton 2.5us;toff 2.0us.
95	DG163AL	17		MOS	2.5	80	15	15	750m	-55	125	K0248n	TO86	Driver w/FET SW;ton 1.0us;toff 800ns
96	DG163BL	17		MOS	2.5	.80	15	15	750m	-20	85	K0248p	TO86	Driver w/FET SW;ton 1.5us;toff 1.0us.
97	DG164AL	17		MOS	2.5	.80	15	15	750m	-55	125	K0248q	TO86	Driver w/FET SW;ton 2.5us;toff 1 5us.
98	DG164AP	17		MOS	2.5	.80	15	15	750m	-55	125	K0248q	TO116	Driver w/FET SW;ton 2.5us;toff 1.5us.
99	DG164BL	17		MOS	2.5	.80	15	15	750m	-20	85	K0248r	TO86	Driver w/FET SW;ton 2.5us;toff 2.0us.
100	DG164BP	17		MOS	2.5	80	15	15	750m	-20	85	K0248r	TO116	Driver w/FET SW;ton 2.5us;toff 2.0us.
101	NC2126	17	1.0M		2 5	.80	15	15	1.8	-55	125	K1718	CN48m	SPDT FET Analog Switch.
102	NC2137	17	1.0M		2 5	.80	15	15	1 2	-55	125	K1718	CN48e	SPDT FET Analog Switch.
103	DG126ADD	17			2.5%	1.0	18	12	750m	-55	125	K177a	M235	2Chan.Driver with DPST Fet Switch;ton300ns
104	DG126AFD	17			2.5%	1.0	18	12	750m	-55	125	K177a	FP69b	2Chan.Driver with DPST Fet Switch;ton300ns
105	DG126DD	17			2 5%	1.0	18	12	750m	-55	125	K177a	M235	2Chan.Driver with DPST Fet Switch;ton600ns
106	DG126FD	17			2.5%	1.0	18	12	750m	-55	125	K177a	FP69b	2Chan.Driver with DPST Fet Switch;ton600ns
107	DG129ADD	17			2.5%	1.0	18	12	750m	-55	125	K177b	M235	2Chan.Driver with DPST Fet Switch;ton300ns
108	DG129AFD	17			2.5%	1.0	18	12	750m	-55	125	K177b	FP69b	2Chan.Driver with DPST Fet Switch;ton300ns
109	DG129DD	17			2.5%	1.0	18	12	750m	-55	125	K177b	M235	2Chan.Driver with DPST Fet Switch;ton600ns
110	DG129FD	17			2.5%	1.0	18	12	750m	-55	125	K177b	FP69b	2Chan.Driver with DPST Fet Switch,ton600ns

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	DG133ADD	17			2.5%	1.0	18	12	750m	-55	125	K178a	M235	2Chan.Driver with SPST Fet Switch;ton300ns
2	DG133AFD	17			2 5%	1.0	18	12	750m	-55	125	K178a	FP69b	2Chan.Driver with SPST Fet Switch;ton300ns
3	DG133DD	17			2.5%	1 0	18	12	750m	-55	125	K178a	M235	2Chan.Driver with SPST Fet Switch;ton600ns
4	DG133FD	17			2 5%	1.0	18	12	750m	-55	125	K178a	FP69b	2Chan.Driver with SPST Fet Switch;ton600ns
5	DG134ADD	17			2.5%	1.0	18	12	750m	-55	125	K178b	M235	2Chan.Driver with SPST Fet Switch;ton300ns
6	DG134AFD	17			2 5%	1 0	18	12	750m	-55	125	K178b	FP69b	2Chan.Driver with SPST Fet Switch;ton300ns
7	DG134DD	17			2.5%	1.0	18	12	750m	-55	125	K178b	M235	2Chan.Driver with SPST Fet Switch;ton600ns
8	DG134FD	17			2.5%	1.0	18	12	750m	-55	125	K178b	FP69b	2Chan.Driver with SPST Fet Switch;ton600ns
9	DG139ADD	17		MON	2.5%	1.0	18	12	750m	-55	125	K0248	M235	Driver, Fet Switches;ton 400ns;toff 800ns.
10	DG139AFD	17		MON	2.5%	1.0	18	12	750m	-55	125	K0248	FP69b	Driver, Fet Switches;ton 400ns;toff 800ns.
11	DG139DD	17		MON	2.5%	1.0	18	12	750m	-55	125	K0248	M235	Driver, Fet Switches;ton 800ns;toff 1.6us
12	DG139FD	17		MON	2.5%	1.0	18	12	750m	-55	125	K0248	FP69b	Driver, Fet Switches;ton 800ns;toff 1.6us.
13	DG140ADD	17			2.5%	1.0	18	12	750m	-55	125	K177c	M235	2Chan.Driver with DPST Fet Switch;ton500ns
14	DG140AFD	17			2.5%	1.0	18	12	750m	-55	125	K177c	FP69b	2Chan.Driver with DPST Fet Switch;ton500ns
15	DG140DD	17			2.5%	1.0	18	12	750m	-55	125	K177c	M235	2Chan.Driver with DPST Fet Switch,ton1.0us
16	DG140FD	17			2.5%	1.0	18	12	750m	-55	125	K177c	FP69b	2Chan.Driver with DPST Fet Switch;ton1.0us
17	DG141ADD	17			2.5%	1 0	18	12	750m	-55	125	K178c	M235	2Chan.Driver with SPST Fet Switch;ton500ns
18	DG141AFD	17			2.5%	1.0	18	12	750m	-55	125	K178c	FP69b	2Chan.Driver with SPST Fet Switch;ton500ns
19	DG141DD	17			2.5%	1 0	18	12	750m	-55	125	K178c	M235	2Chan.Driver with SPST Fet Switch;ton1.0us
20	DG141FD	17			2.5%	1.0	18	12	750m	-55	125	K178c	FP69b	2Chan Driver with SPST Fet Switch;ton1.0us
21	DG142ADD	17		MON	2.5%	1.0	18	12	750m	-55	125	K0248a	M235	Driver, Fet Switches;ton 400ns;toff 800ns.
22	DG142AFD	17		MON	2.5%	1 0	18	12	750m	-55	125	K0248a	FP69b	Driver, Fet Switches;ton 400ns;toff 800ns.
23	DG142DD	17		MON	2.5%	1.0	18	12	750m	-55	125	K0248a	M235	Driver, Fet Switches;ton 800ns;toff 1.6us
24	DG142FD	17		MON	2.5%	1 0	18	12	750m	-55	125	K0248a	FP69b	Driver, Fet Switches;ton 800ns;toff 1.6us.
25	DG143ADD	17		MON	2.5%	1.0	18	12	750m	-55	125	K0249	M235	Driver, Fet Switches;ton 400ns;toff 800ns
26	DG143AFD	17		MON	2.5%	1 0	18	12	750m	-55	125	K0249	FP69b	Driver, Fet Switches;ton 400ns;toff 800ns.
27	DG143DD	17		MON	2.5%	1 0	18	12	750m	-55	125	K0249	M235	Driver, Fet Switches;ton 800ns;toff 1.6us
28	DG143FD	17		MON	2.5%	1 0	18	12	750m	-55	125	K0249	FP69b	Driver, Fet Switches;ton 800ns;toff 1.6us.
29	DG144ADD	17		MON	2.5%	1 0	18	12	750m	-55	125	K0249a	M235	Driver, Fet Switches;ton 400ns;toff 800ns.
30	DG144AFD	17		MON	2.5%	1.0	18	12	750m	-55	125	K0249a	FP69b	Driver, Fet Switches;ton 400ns;toff 800ns.
31	DG144DD	17		MON	2.5%	1.0	18	12	750m	-55	125	K0249a	M235	Driver, Fet Switches;ton 800ns;toff 1.6us
32	DG144FD	17		MON	2.5%	1.0	18	12	750m	-55	125	K0249a	FP69b	Driver, Fet Switches;ton 800ns;toff 1 6us
33	DG145ADD	17		MON	2.5%	1 0	18	12	750m	-55	125	K0248b	M235	Driver, Fet Switches;ton 500ns;toff 1.2us.
34	DG145AFD	17		MON	2.5%	1.0	18	12	750m	-55	125	K0248b	FP69b	Driver, Fet Switches;ton 500ns;toff 1.2us.
35	DG145DD	17		MON	2.5%	1 0	18	12	750m	-55	125	K0248b	M235	Driver, Fet Switches;ton 1.0us,toff 2.5us.
36	DG145FD	17		MON	2.5%	1.0	18	12	750m	-55	125	K0248b	FP69b	Driver, Fet Switches;ton 1.0us;toff 2.5us.
37	DG146ADD	17		MON	2.5%	1.0	18	12	750m	-55	125	K0249b	M235	Driver, Fet Switches;ton 500ns;toff 1.2us.
38	DG146AFD	17		MON	2.5%	1.0	18	12	750m	-55	125	K0249b	FP69b	Driver, Fet Switches;ton 500ns;toff 1.2us.
39	DG146DD	17		MON	2.5%	1 0	18	12	750m	-55	125	K0249b	M235	Driver, Fet Switches,ton 1.0us;toff 2.5us.
40	DG146FD	17		MON	2.5%	1.0	18	12	750m	-55	125	K0249b	FP69b	Driver, Fet Switches;ton 1.0us;toff 2.5us
41	DG151ADD	17			2.5%	1.0	15	15	750m	-55	125	K178e	M235	2Chan.Driver with SPST Fet Switch;ton500ns
42	DG151AFD	17			2.5%	1.0	15	15	750m	-55	125	K178e	FP69b	2Chan.Driver with SPST Fet Switch;ton500ns
43	DG151DD	17			2.5%	1 0	15	15	750m	-55	125	K178e	M235	2Chan.Driver with SPST Fet Switch;ton1.0us
44	DG151FD	17			2.5%	1.0	15	15	750m	-55	125	K178e	FP69b	2Chan.Driver with SPST Fet Switch;ton1.0us
45	DG152ADD	17			2.5%	1.0	15	15	750m	-55	125	K178f	M235	2Chan.Driver with SPST Fet Switch;ton300ns
46	DG152AFD	17			2.5%	1.0	15	15	750m	-55	125	K178f	FP69b	2Chan.Driver with SPST Fet Switch;ton300ns
47	DG152DD	17			2.5%	1.0	15	15	750m	-55	125	K178f	M235	2Chan.Driver with SPST Fet Switch;ton600ns
48	DG152FD	17			2.5%	1.0	15	15	750m	-55	125	K178f	FP69b	2Chan.Driver with SPST Fet Switch;ton600ns
49	DG153ADD	17			2.5%	1.0	15	15	750m	-55	125	K177e	M235	2Chan.Driver with DPST Fet Switch;ton500ns
50	DG153AFD	17			2.5%	1 0	15	15	750m	-55	125	K177e	FP69b	2Chan.Driver with DPST Fet Switch;ton500ns
51	DG153DD	17			2.5%	1.0	15	15	750m	-55	125	K177e	M235	2Chan.Driver with DPST Fet Switch;ton1.0us
52	DG153FD	17			2.5%	1 0	15	15	750m	-55	125	K177e	FP69b	2Chan.Driver with DPST Fet Switch;ton1.0us
53	DG154ADD	17			2.5%	1.0	15	15	750m	-55	125	K177f	M235	2Chan.Driver with DPST Fet Switch;ton300ns
54	DG154AFD	17			2 5%	1.0	15	15	750m	-55	125	K177f	FP69b	2Chan.Driver with DPST Fet Switch;ton300ns
55	DG154DD	17			2 5%	1.0	15	15	750m	-55	125	K177f	M235	2Chan.Driver with DPST Fet Switch;ton600ns
56	DG154FD	17			2.5%	1 0	15	15	750m	-55	125	K177f	FP69b	2Chan.Driver with DPST Fet Switch;ton600ns
57	DG161ADD	17		MON	2.5%	1.0	15	15	750m	-55	125	K0249c	M235	Driver, Fet Switches;ton 500ns;toff 1.2us.
58	DG161AFD	17		MON	2.5%	1.0	15	15	750m	-55	125	K0249c	FP69b	Driver, Fet Switches;ton 500ns;toff 1.2us.
59	DG161DD	17		MON	2.5%	1 0	15	15	750m	-55	125	K0249c	M235	Driver, Fet Switches;ton 1.0us;toff 2.5us.
60	DG161FD	17		MON	2 5%	1.0	15	15	750m	-55	125	K0249c	FP69b	Driver, Fet Switches;ton 1.0us;toff 2.5us.
61	DG162ADD	17		MON	2 5%	1.0	15	15	750m	-55	125	K0249d	M235	Driver, Fet Switches;ton 400ns;toff 800ns.
62	DG162AFD	17		MON	2 5%	1 0	15	15	750m	-55	125	K0249d	FP69b	Driver, Fet Switches;ton 400ns;toff 800ns.
63	DG162DD	17		MON	2.5%	1.0	15	15	750m	-55	125	K0249d	M235	Driver, Fet Switches;ton 800ns;toff 1.6us.
64	DG162FD	17		MON	2.5%	1.0	15	15	750m	-55	125	K0249d	FP69b	Driver, Fet Switches;ton 800ns;toff 1.6us.
65	DG163ADD	17		MON	2.5%	1 0	15	15	750m	-55	125	K0248c	M235	Driver, Fet Switches;ton 500ns;toff 1.2us.
66	DG163AFD	17		MON	2.5%	1.0	15	15	750m	-55	125	K0248c	FP69b	Driver, Fet Switches;ton 500ns;toff 1.2us.
67	DG163DD	17		MON	2 5%	1 0	15	15	750m	-55	125	K0248c	M235	Driver, Fet Switches;ton 1.0us;toff 2 5us
68	DG163FD	17		MON	2.5%	1.0	15	15	750m	-55	125	K0248c	FP69b	Driver, Fet Switches;ton 1 0us;toff 2.5us.
69	DG164ADD	17		MON	2 5%	1.0	15	15	750m	-55	125	K0248d	M235	Driver, Fet Switches;ton 400ns;toff 800ns.
70	DG164AFD	17		MON	2 5%	1 0	15	15	750m	-55	125	K0248d	FP69b	Driver, Fet Switches;ton 400ns;toff 800ns.
71	DG164DD	17		MON	2 5%	1.0	15	15	750m	-55	125	K0248d	M235	Driver, Fet Switches;ton 800ns;toff 1.6us.
72	DG164FD	17		MON	2 5%	1.0	15	15	750m	-55	125	K0248d	FP69b	Driver, Fet Switches;ton 800ns;toff 1.6us.
73	DG426ADD	17			2 5%	1.0	18	12	750m	0	70	K177a	M235	2Chan Driver with DPST Fet Switch;ton500ns
74	DG426AFD	17			2 5%	1.0	18	12	750m	0	70	K177a	FP69b	2Chan.Driver with DPST Fet Switch;ton500ns
75	DG426DD	17			2.5%	1 0	18	12	750m	0	70	K177a	M235	2Chan.Driver with DPST Fet Switch;ton1.0us
76	DG426FD	17			2 5%	1.0	18	12	750m	0	70	K177a	FP69b	2Chan.Driver with DPST Fet Switch;ton1.0us
77	DG429ADD	17			2 5%	1.0	18	12	750m	0	70	K177d	M235	2Chan.Driver with DPST Fet Switch;ton500ns
78	DG429AFD	17			2.5%	1.0	18	12	750m	0	70	K177d	FP69b	2Chan.Driver with DPST Fet Switch;ton500ns
79	DG429DD	17			2.5%	1.0	18	12	750m	0	70	K177d	M235	2Chan.Driver with DPST Fet Switch;ton1.0us
80	DG429FD	17			2 5%	1 0	18	12	750m	0	70	K177d	FP69b	2Chan Driver with DPST Fet Switch;ton1.0us
81	DG433ADD	17			2.5%	1.0	18	12	750m	0	70	K178d	M235	2Chan.Driver with SPST Fet Switch;ton500ns
82	DG433AFD	17			2.5%	1.0	18	12	750m	0	70	K178d	FP69b	2Chan Driver with SPST Fet Switch;ton500ns
83	DG433DD	17			2 5%	1 0	18	12	750m	0	70	K178d	M235	2Chan.Driver with SPST Fet Switch;ton1.0us
84	DG433FD	17			2.5%	1.0	18	12	750m	0	70	K178d	FP69b	2Chan.Driver with SPST Fet Switch;ton1.0us
85	DG434ADD	17			2.5%	1 0	18	12	750m	0	70	K178b	M235	2Chan.Driver with SPST Fet Switch;ton500ns
86	DG434AFD	17			2 5%	1 0	18	12	750m	0	70	K178b	FP69b	2Chan.Driver with SPST Fet Switch;ton500ns
87	DG434DD	17			2.5%	1 0	18	12	750m	0	70	K178b	M235	2Chan.Driver with SPST Fet Switch;ton1.0us
88	DG434FD	17			2.5%	1.0	18	12	750m	0	70	K178b	FP69b	2Chan.Driver with SPST Fet Switch;ton1.0us
89	DG439ADD	17		MON	2.5%	1.0	18	12	750m	0	70	K0248e	M235	Driver, Fet Switches;ton 500ns;toff 1.0us.
90	DG439AFD	17		MON	2.5%	1.0	18	12	750m	0	70	K0249e	FP69b	Driver, Fet Switches;ton 500ns;toff 1.0us.
91	DG439DD	17		MON	2.5%	1 0	18	12	750m	0	70	K0248e	M235	Driver, Fet Switches;ton 1.0us,toff 2.0us.
92	DG439FD	17		MON	2.5%	1.0	18	12	750m	0	70	K0248e	FP69b	Driver, Fet Switches;ton 1.0us;toff 2.0us.
93	DG440ADD	17			2 5%	1.0	18	12	750m	0	70	K177e	M235	2Chan.Driver with DPST Fet Switch;ton750ns
94	DG440AFD	17			2 5%	1.0	18	12	750m	0	70	K177e	FP69b	2Chan.Driver with DPST Fet Switch;ton750ns
95	DG440DD	17			2.5%	1 0	18	12	750m	0	70	K177e	M235	2Chan.Driver with DPST Fet Switch;ton1.5us
96	DG440FD	17			2.5%	1.0	18	12	750m	0	70	K177e	FP69b	2Chan.Driver with DPST Fet Switch;ton1.5us
97	DG441ADD	17			2 5%	1.0	18	12	750m	0	70	K178e	M235	2Chan.Driver with SPST Fet Switch;ton750ns
98	DG441AFD	17			2.5%	1.0	18	12	750m	0	70	K178e	FP69b	2Chan Driver with SPST Fet Switch;ton750ns
99	DG441DD	17			2 5%	1 0	18	12	750m	0	70	K178e	M235	2Chan.Driver with SPST Fet Switch;ton1.5us
100	DG441FD	17			2 5%	1 0	18	12	750m	0	70	K178e	FP69b	2Chan.Driver with DPST Fet Switch;ton1.5us
101	DG442ADD	17		MON	2 5%	1.0	18	12	750m	0	70	K0248a	M235	Driver, Fet Switches;ton 500ns;toff 1.0us.
102	DG442AFD	17		MON	2 5%	1.0	18	12	750m	0	70	K0248a	FP69b	Driver, Fet Switches;ton 500ns;toff 1.0us.
103	DG442DD	17		MON	2 5%	1.0	18	12	750m	0	70	K0248a	M235	Driver, Fet Switches;ton 1.0us;toff 2.0us.
104	DG442FD	17		MON	2.5%	1 0	18	12	750m	0	70	K0248a	FP69b	Driver, Fet Switches;ton 1.0us;toff 2.0us.
105	DG443ADD	17		MON	2.5%	1.0	18	12	750m	0	70	K0249	M235	Driver, Fet Switches;ton 500ns;toff 1.0us.
106	DG443AFD	17		MON	2.5%	1.0	18	12	750m	0	70	K0249	FP69b	Driver, Fet Switches;ton 500ns;toff 1.0us.
107	DG443DD	17		MON	2.5%	1.0	18	12	750m	0	70	K0249	M235	Driver, Fet Switches;ton 1.0us;toff 2.0us.
108	DG443FD	17		MON	2.5%	1.0	18	12	750m	0	70	K0249	FP69b	Driver, Fet Switches;ton 1.0us;toff 2.0us.
109	DG444ADD	17		MON	2.5%	1.0	18	12	750m	0	70	K0249e	M235	Driver, Fet Switches;ton 500ns;toff 1.0us.
110	DG444AFD	17		MON	2.5%	1.0	18	12	750m	0	70	K0249e	FP69b	Driver, Fet Switches;ton 500ns;toff 1.0us.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	DG444DD	17		MON	2.5%	1.0	18	12	750m	0	70	K0249e	M235	Driver, Fet Switches,ton 1.0us;toff 2.0us.
2	DG444FD	17		MON	2.5%	1.0	18	12	750m	0	70	K0249e	FP69b	Driver, Fet Switches;ton 1.0us;toff 2.0us.
3	DG445ADD	17		MON	2.5%	1.0	18	12	750m	0	70	K0248c	M235	Driver, Fet Switches;ton 750ns,toff 1.2us.
4	DG445AFD	17		MON	2.5%	1.0	18	12	750m	0	70	K0248c	FP69b	Driver, Fet Switches;ton 750ns;toff 1.2us.
5	DG445DD	17		MON	2.5%	1.0	18	12	750m	0	70	K0248c	M235	Driver, Fet Switches;ton 1.5us;toff 2.5us.
6	DG445FD	17		MON	2.5%	1.0	18	12	750m	0	70	K0248c	FP69b	Driver, Fet Switches;ton 1.5us;toff 2.5us.
7	DG446ADD	17		MON	2.5%	1.0	18	12	750m	0	70	K0249c	M235	Driver, Fet Switches;ton 750ns;toff 1.2us.
8	DG446AFD	17		MON	2.5%	1.0	18	12	750m	0	70	K0249c	FP69b	Driver, Fet Switches;ton 750ns;toff 1.2us.
9	DG446DD	17		MON	2.5%	1.0	18	12	750m	0	70	K0249c	M235	Driver, Fet Switches;ton 1.5us,toff 2.5us.
10	DG446FD	17		MON	2.5%	1.0	18	12	750m	0	70	K0249c	FP69b	Driver, Fet Switches;ton 1.5us;toff 2.5us.
11	DG451ADD	17			2.5%	1.0	15	15	750m	0	70	K178g	M235	2Chan.Driver with SPST Fet Switch;ton750ns
12	DG451AFD	17			2.5%	1.0	15	15	750m	0	70	K178g	FP69b	2Chan.Driver with SPST Fet Switch;ton750ns
13	DG451DD	17			2.5%	1.0	15	15	750m	0	70	K178g	M235	2Chan.Driver with SPST Fet Switch;ton1.5us
14	DG451FD	17			2.5%	1.0	15	15	750m	0	70	K178g	FP69b	2Chan.Driver with SPST Fet Switch;ton1.5us
15	DG452ADD	17			2.5%	1.0	15	15	750m	0	70	K178h	M235	2Chan.Driver with SPST Fet Switch;ton500ns
16	DG452AFD	17			2.5%	1.0	15	15	750m	0	70	K178h	FP69b	2Chan.Driver with SPST Fet Switch;ton500ns
17	DG452DD	17			2.5%	1.0	15	15	750m	0	70	K178h	M235	2Chan.Driver with SPST Fet Switch;ton1.0us
18	DG452FD	17			2.5%	1.0	15	15	750m	0	70	K178h	FP69b	2Chan.Driver with SPST Fet Switch;ton1.0us
19	DG453ADD	17			2.5%	1.0	15	15	750m	0	70	K177g	M235	2Chan.Driver with DPST Fet Switch;ton750ns
20	DG453AFD	17			2.5%	1.0	15	15	750m	0	70	K177g	FP69b	2Chan.Driver with DPST Fet Switch;ton750ns
21	DG453DD	17			2.5%	1.0	15	15	750m	0	70	K177g	M235	2Chan.Driver with DPST Fet Switch;ton1.5us
22	DG453FD	17			2.5%	1.0	15	15	750m	0	70	K177g	FP69b	2Chan.Driver with DPST Fet Switch;ton1.5us
23	DG454ADD	17			2.5%	1.0	15	15	750m	0	70	K177h	M235	2Chan.Driver with DPST Fet Switch;ton500ns
24	DG454AFD	17			2.5%	1.0	15	15	750m	0	70	K177h	FP69b	2Chan.Driver with DPST Fet Switch;ton500ns
25	DG454DD	17			2.5%	1.0	15	15	750m	0	70	K177h	M235	2Chan.Driver with DPST Fet Switch;ton1.0us
26	DG454FD	17			2.5%	1.0	15	15	750m	0	70	K177h	FP69b	2Chan.Driver with DPST Fet Switch;ton1.0us
27	DG461ADD	17		MON	2.5%	1.0	15	15	750m	0	70	K0249f	M235	Driver, Fet Switches;ton 750ns;toff 1.2us.
28	DG461AFD	17		MON	2.5%	1.0	15	15	750m	0	70	K0249f	FP69b	Driver, Fet Switches;ton 750ns;toff 1.2us.
29	DG461DD	17		MON	2.5%	1.0	15	15	750m	0	70	K0249f	M235	Driver, Fet Switches;ton 1.5us;toff 2.5us.
30	DG461FD	17		MON	2.5%	1.0	15	15	750m	0	70	K0249f	FP69b	Driver, Fet Switches;ton 1.5us;toff 2.5us.
31	DG462ADD	17		MON	2.5%	1.0	15	15	750m	0	70	K0249g	M235	Driver, Fet Switches;ton 500ns;toff 1.0us.
32	DG462AFD	17		MON	2.5%	1.0	15	15	750m	0	70	K0249g	FP69b	Driver, Fet Switches;ton 500ns;toff 1.0us.
33	DG462DD	17		MON	2.5%	1.0	15	15	750m	0	70	K0249g	M235	Driver, Fet Switches;ton 1.0us;toff 2.0us.
34	DG462FD	17		MON	2.5%	1.0	15	15	750m	0	70	K0249g	FP69b	Driver, Fet Switches;ton 1.0us;toff 2.0us.
35	DG463ADD	17		MON	2.5%	1.0	15	15	750m	0	70	K0248f	M235	Driver, Fet Switches;ton 750ns;toff 1.2us.
36	DG463AFD	17		MON	2.5%	1.0	15	15	750m	0	70	K0248f	FP69b	Driver, Fet Switches;ton 750ns;toff 1.2us.
37	DG463DD	17		MON	2.5%	1.0	15	15	750m	0	70	K0248f	M235	Driver, Fet Switches;ton 1.5us;toff 2.5us.
38	DG463FD	17		MON	2.5%	1.0	15	15	750m	0	70	K0248f	FP69b	Driver, Fet Switches;ton 1.0us;toff 2.5us.
39	DG464ADD	17		MON	2.5%	1.0	15	15	750m	0	70	K0248g	M235	Driver, Fet Switches;ton 500ns;toff 1.0us.
40	DG464AFD	17		MON	2.5%	1.0	15	15	750m	0	70	K0248g	FP69b	Driver, Fet Switches;ton 500ns;toff 1.0us.
41	DG464DD	17		MON	2.5%	1.0	15	15	750m	0	70	K0248g	M235	Driver, Fet Switches;ton 1.0us;toff 2.0us.
42	DG464FD	17		MON	2.5%	1.0	15	15	750m	0	70	K0248g	FP69b	Driver, Fet Switches;ton 1.0us,toff 2.0us.
43	IH5001CPA	17			2.5%	1.0	18	12	500m	0	70	K1724	M239	1Chan.Driver with SPST Fet Switch and gate
44	IH5002CPA	17			2.5%	1.0	18	12	500m	0	70	K1724a	M239	1Chan.Driver with SPST Fet Switch and gate
45	IH5003MDD	17			2.5%	1.0	18	12	750m	-55	125	K1727	M235	2Chan.Driver with SPST Fet Switch and gate
46	IH5003MFD	17			2.5%	1.0	18	12	750m	-55	125	K1727	FP69b	2Chan.Driver with SPST Fet Switch and gate
47	IH5004MDD	17			2.5%	1.0	18	12	750m	-55	125	K1727a	M235	2Chan.Driver with SPST Fet Switch and gate
48	IH5004MFD	17			2.5%	1.0	18	12	750m	-55	125	K1727a	FP69b	2Chan.Driver with SPST Fet Switch and gate
49	IH5005MDD	17		MON	2.5%	1.0	18	12	750m	-55	125	K1727b	TO116	2 Chan Driver with SPST FET Switch.
50	IH5005MFD	17		MON	2.5%	1.0	18	12	750m	-55	125	K1727b	TO86	2 Chan. Driver with SPST FET Switch.
51	IH5006MDD	17		MON	2.5%	1.0	18	12	750m	-55	125	K1727c	TO116	2 Chan Driver with SPST FET Switch.
52	IH5006MFD	17		MON	2.5%	1.0	18	12	750m	-55	125	K1727c	TO86	2 Chan Driver with SPST FET Switch.
53	IH5007MDD	17		MON	2.5%	1.0	18	12	750m	-55	125	K1727d	TO116	2 Chan Driver with SPST FET Switch.
54	IH5007MFD	17		MON	2.5%	1.0	18	12	750m	-55	125	K1727d	TO86	2 Chan Driver with SPST FET Swtich.
55▼	AD7516JN	17		MON	2.7%	.50*	15	15	670m	0	75	K1765	M105aj	Quad;RDS(ON) 100Ω;ton,toff 20ns.
56▼	AD7516SD	17		MON	2.7%	.50*	15	15	450m	-55	125	K1765		Quad;RDS(ON) 100Ω;ton,toff 20ns.
57	CDA4B	17			2.8	.45	0	5.0		-55	125	K0227	CN57	Vo 1.0mV max;Ton,Toff 600ns max.
58	CAG27	17		MOH	3.0%		15	15		-55	125	K1720	CN48g	SPST/SPDT;RDS 6.0Ωmax;Ton off 3.0us max.
59	CAG27-10	17		MOH	3.0%		15	15		-55	125	K1720	CN48g	SPST/SPDT;RDS 10Ωmax;Ton off 3.0us max.
60	AH0126CD	17			3.0	0.0	18	12	500mt	-25	85	K177a	M297c	Dual DPST FET SW;ton800ns max;toff1.6usmax
61	AH0126CF	17			3.0	0.0	18	12	500mt	-25	85	K177a	FP87	Dual DPST FET SW;ton800ns max;toff1.6usmax
62	AH0126D	17			3.0	0.0	18	12	500mt	-55	125	K177a	M297c	Dual DPST FET SW;ton800ns max;toff1.6usmax
63	AH0126F	17			3.0	0.0	18	12	500mt	-55	125	K177a	FP87	Dual DPST FET SW;ton800ns max;toff1.6usmax
64	AH0129CD	17			3.0	0.0	18	12	500mt	-25	85	K177b	M297c	Dual DPST FET SW;ton800ns max;toff1.6usmax
65	AH0129CF	17			3.0	0.0	18	12	500mt	-25	85	K177b	FP87	Dual DPST FET SW;ton800ns max;toff1.6usmax
66	AH0129D	17			3.0	0.0	18	12	500mt	-55	125	K177b	M297c	Dual DPST FET SW;ton800ns max;toff1.6usmax
67	AH0129F	17			3.0	0.0	18	12	500mt	-55	125	K177b	FP87	Dual DPST FET SW;ton800ns max;toff1.6usmax
68	AH0133CD	17			3.0	0.0	18	12	500mt	-25	85	K178a	M297c	Dual SPST FET SW;ton800ns max;toff1.6usmax
69	AH0133CF	17			3.0	0.0	18	12	500mt	-25	85	K178a	FP87	Dual SPST FET SW;ton800ns max;toff1.6usmax
70	AH0133D	17			3.0	0.0	18	12	500mt	-55	125	K178a	M297c	Dual SPST FET SW;ton800ns max;toff1.6usmax
71	AH0133F	17			3.0	0.0	18	12	500mt	-55	125	K178a	FP87	Dual SPST FET SW;ton800ns max;toff1.6usmax
72	AH0134CD	17			3.0	0.0	18	12	500mt	-25	85	K178b	M297c	Dual SPST FET SW;ton800ns max;toff1.6usmax
73	AH0134CF	17			3.0	0.0	18	12	500mt	-25	85	K178b	FP87	Dual SPST FET SW;ton800ns max;toff1.6usmax
74	AH0134D	17			3.0	0.0	18	12	500mt	-55	125	K178b	M297c	Dual SPST FET SW;ton800ns max;toff1.6usmax
75	AH0134F	17			3.0	0.0	18	12	500mt	-55	125	K178b	FP87	Dual SPST FET SW;ton800ns max;toff1.6usmax
76	AH0139CD	17			3.0	0.0	18	12	500mt	-25	85	K0248	M297c	Diff DPDT FET SW;ton800ns max;toff1.6usmax
77	AH0139CF	17			3.0	0.0	18	12	500mt	-25	85	K0248	FP87	Diff DPDT FET SW;ton800ns max;toff1.6usmax
78	AH0139D	17			3.0	0.0	18	12	500mt	-55	125	K0248	M297c	Diff DPDT FET SW;ton800ns max;toff1.6usmax
79	AH0139F	17			3.0	0.0	18	12	500mt	-55	125	K0248	FP87	Diff DPDT FET SW;ton800ns max;toff1.6usmax
80	AH0140CD	17			3.0	0.0	18	12	500mt	-25	85	K177c	M297c	Dual DPST FET SW;ton1.0us max;toff2.5usmax
81	AH0140CF	17			3.0	0.0	18	12	500mt	-25	85	K177c	FP87	Dual DPST FET SW;ton800ns max;toff1.6usmax
82	AH0140D	17			3.0	0.0	18	12	500mt	-55	125	K177c	M297c	Dual DPST FET SW;ton1.0us max;toff2.5usmax
83	AH0140F	17			3.0	0.0	18	12	500mt	-55	125	K177c	FP87	Dual DPST FET SW;ton800ns max;toff1.6usmax
84	AH0141CD	17			3.0	0.0	18	12	500mt	-25	85	K178c	M297c	Dual SPST FET SW;ton1.0us max;toff2.5usmax
85	AH0141CF	17			3.0	0.0	18	12	500mt	-25	85	K178c	FP87	Dual SPST FET SW;ton1.0us max;toff2.5usmax
86	AH0141D	17			3.0	0.0	18	12	500mt	-55	125	K178c	M297c	Dual SPST FET SW;ton1.0us max;toff2.5usmax
87	AH0141F	17			3.0	0.0	18	12	500mt	-55	125	K178c	FP87	Dual SPST FET SW;ton1.0us max;toff2.5usmax
88	AH0142CD	17			3.0	0.0	18	12	500mt	-25	85	K0248a	M297c	Diff DPDT FET SW;ton800ns max;toff1.6usmax
89	AH0142CF	17			3.0	0.0	18	12	500mt	-25	85	K0248a	FP87	Diff DPDT FET SW;ton800ns max;toff1.6usmax
90	AH0142D	17			3.0	0.0	18	12	500mt	-55	125	K0248a	M297c	Diff DPDT FET SW;ton800ns max;toff1.6usmax
91	AH0142F	17			3.0	0.0	18	12	500mt	-55	125	K0248a	FP87	Diff DPDT FET SW;ton800ns max;toff1.6usmax
92	AH0143CD	17			3.0	0.0	18	12	500mt	-25	85	K0249	M297c	Diff SPDT FET SW;ton800ns max;toff1.6usmax
93	AH0143CF	17			3.0	0.0	18	12	500mt	-25	85	K0249	FP87	Diff SPDT FET SW;ton800ns max;toff1.6usmax
94	AH0143D	17			3.0	0.0	18	12	500mt	-55	125	K0249	M297c	Diff SPDT FET SW;ton800ns max;toff1.6usmax
95	AH0143F	17			3.0	0.0	18	12	500mt	-55	125	K0249	FP87	Diff SPDT FET SW;ton800ns max;toff1.6usmax
96	AH0144CD	17			3.0	0.0	18	12	500mt	-25	85	K0249a	M297c	Diff SPDT FET SW;ton800ns max;toff1.6usmax
97	AH0144CF	17			3.0	0.0	18	12	500mt	-25	85	K0249a	FP87	Diff SPDT FET SW;ton800ns max;toff1.6usmax
98	AH0144D	17			3.0	0.0	18	12	500mt	-55	125	K0249a	M297c	Diff SPDT FET SW;ton800ns max;toff1.6usmax
99	AH0144F	17			3.0	0.0	18	12	500mt	-55	125	K0249a	FP87	Diff SPDT FET SW;ton800ns max;toff1.6usmax
100	AH0145CD	17			3.0	0.0	18	12	500mt	-25	85	K0248b	M297c	Diff DPDT FET SW;ton1.0us max;toff2.5usmax
101	AH0145CF	17			3.0	0.0	18	12	500mt	-25	85	K0248b	FP87	Diff DPDT FET SW;ton1.0us max;toff2.5usmax
102	AH0145D	17			3.0	0.0	18	12	500mt	-55	125	K0248b	M297c	Diff DPDT FET SW;ton1.0us max;toff2.5usmax
103	AH0145F	17			3.0	0.0	18	12	500mt	-55	125	K0248b	FP87	Diff DPDT FET SW;ton1.0us max;toff2.5usmax
104	AH0146CD	17			3.0	0.0	18	12	500mt	-25	85	K0249b	M297c	Diff SPDT FET SW;ton1.0us max;toff2.5usmax
105	AH0146CF	17			3.0	0.0	18	12	500mt	-25	85	K0249b	FP87	Diff SPDT FET SW;ton1.0us max;toff2.5usmax
106	AH0146D	17			3.0	0.0	18	12	500mt	-55	125	K0249b	M297c	Diff SPDT FET SW;ton1.0us max;toff2.5usmax
107	AH0146F	17			3.0	0.0	18	12	500mt	-55	125	K0249b	FP87	Diff SPDT FET SW;ton1.0us max;toff2.5usmax
108	AH0151CD	17			3.0	0.0	18	12	500mt	-25	85	K178e	M297c	Dual SPST FET SW;ton800ns max;toff1.6usmax
109	AH0151CF	17			3.0	0.0	18	12	500mt	-25	85	K178e	FP87	Dual SPST FET SW;ton800ns max;toff1.6usmax
110	AH0151D	17			3.0	0.0	18	12	500mt	-55	125	K178e	M297c	Dual SPST FET SW;ton800ns max;toff1.6usmax

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0' (4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	AH0151F	17			3.0	0.0	18	12	500mt	-55	125	K178e	FP87	Dual SPST FET SW;ton800ns max;toff1.6usmax
2	AH0152CD	17			3.0	0.0	18	12	500mt	-25	85	K178f	M297c	Dual SPST FET SW;ton800ns max;toff1.6usmax
3	AH0152CF	17			3.0	0.0	18	12	500mt	-25	85	K178f	FP87	Dual SPST FET SW;ton800ns max;toff1.6usmax
4	AH0152D	17			3.0	0.0	18	12	500mt	-55	125	K178f	M297c	Dual SPST FET SW;ton800ns max;toff1.6usmax
5	AH0152F	17			3.0	0.0	18	12	500mt	-55	125	K178f	FP87	Dual SPST FET SW;ton800ns max;toff1.6usmax
6	AH0153CD	17			3.0	0.0	18	12	500mt	-25	85	K177e	M297c	Dual DPST FET SW;ton800ns max;toff1.6usmax
7	AH0153CF	17			3.0	0.0	18	12	500mt	-25	85	K177e	FP87	Dual DPST FET SW;ton800ns max;toff1.6usmax
8	AH0153D	17			3.0	0.0	18	12	500mt	-55	125	K177e	M297c	Dual DPST FET SW;ton800ns max;toff1.6usmax
9	AH0153F	17			3.0	0.0	18	12	500mt	-55	125	K177e	FP87	Dual DPST FET SW;ton800ns max;toff1.6usmax
10	AH0154CD	17			3.0	0.0	18	12	500mt	-25	85	K177f	M297c	Dual DPST FET SW;ton800ns max;toff1.6usmax
11	AH0154CF	17			3.0	0.0	18	12	500mt	-25	85	K177f	FP87	Dual DPST FET SW;ton800ns max;toff1.6usmax
12	AH0154D	17			3.0	0.0	18	12	500mt	-55	125	K177f	M297c	Dual DPST FET SW;ton800ns max;toff1.6usmax
13	AH0154F	17			3.0	0.0	18	12	500mt	-55	125	K177f	FP87	Dual DPST FET SW;ton800ns max;toff1.6usmax
14	AH0161CD	17			3.0	0.0	18	12	500mt	-25	85	K0249c	M297c	Diff SPDT FET SW;ton800ns max;toff1.6usmax
15	AH0161CF	17			3.0	0.0	18	12	500mt	-25	85	K0249c	FP87	Diff SPDT FET SW;ton800ns max;toff1.6usmax
16	AH0161D	17			3.0	0.0	18	12	500mt	-55	125	K0249c	M297c	Diff SPDT FET SW;ton800ns max;toff1.6usmax
17	AH0161F	17			3.0	0.0	18	12	500mt	-55	125	K0249c	FP87	Diff SPDT FET SW;ton800ns max;toff1.6usmax
18	AH0162CD	17			3.0	0.0	18	12	500mt	-25	85	K0249d	M297c	Diff SPDT FET SW;ton800ns max;toff1.6usmax
19	AH0162CF	17			3.0	0.0	18	12	500mt	-25	85	K0249d	FP87	Diff SPDT FET SW;ton800ns max;toff1.6usmax
20	AH0162D	17			3.0	0.0	18	12	500mt	-55	125	K0249d	M297c	Diff SPDT FET SW;ton800ns max;toff1.6usmax
21	AH0162F	17			3.0	0.0	18	12	500mt	-55	125	K0249d	FP87	Diff SPDT FET SW;ton800ns max;toff1.6usmax
22	AH0163CD	17			3.0	0.0	18	12	500mt	-25	85	K0248c	M297c	Diff DPDT FET SW;ton800ns max;toff1.6usmax
23	AH0163CF	17			3.0	0.0	18	12	500mt	-25	85	K0248c	FP87	Diff DPDT FET SW;ton800ns max;toff1.6usmax
24	AH0163D	17			3.0	0.0	18	12	500mt	-55	125	K0248c	M297c	Diff DPDT FET SW;ton800ns max;toff1.6usmax
25	AH0163F	17			3.0	0.0	18	12	500mt	-55	125	K0248c	FP87	Diff DPDT FET SW;ton800ns max;toff1.6usmax
26	AH0164CD	17			3.0	0.0	18	12	500mt	-25	85	K0248d	M297c	Diff DPDT FET SW;ton800ns max;toff1.6usmax
27	AH0164CF	17			3.0	0.0	18	12	500mt	-25	85	K0248d	FP87	Diff DPDT FET SW;ton800ns max;toff1.6usmax
28	AH0164D	17			3.0	0.0	18	12	500mt	-55	125	K0248d	M297c	Diff DPDT FET SW;ton800ns max;toff1.6usmax
29	AH0164F	17			3.0	0.0	18	12	500mt	-55	125	K0248d	FP87	Diff DPDT FET SW;ton800ns max;toff1.6usmax
30	CDA10A	17			3.0	0.0	-15	0	1.4	-55	125	K0239	CN48b	Vo 1.0mV max;Ron 9.5 ohms max.
31	DAS2132B1	17		TFH	3.0	0.0	15	15	500m	-55	125		Δ006AF	Dual SPST,Ton 500nS;Toff 1.0nS.
32	DAS2136B1	17		TFH	3.0	0.0	15	15	500m	-55	125		Δ006AF	Dual SPST;Ton 500nS max;Toff 500nS max.
33	DAS2133B1	17	1.0M	TFH	3.0	0.0	15	15	500m	-55	125		Δ006AF	Dual SPST;Ton 500nS;Toff 1.0nS.
34	DAS2137B1	17	1.0M	TFH	3.0	0.0	15	15	500m	-55	125		Δ006AF	Dual SPST; Ton 500ns; Toff 500ns.
35	CDA2-1	17		MOH	3.0%	50*	10	0.0	250m	-55	125	K1715	CN6c	Vin 20Vmax;Iin 1.0na max;I off 1.0na.
36	CDA2-2	17		MOH	3.0%	50*	10	0.0	250m	-55	125	K1715	CN6c	Vin 20Vmax;Iin 1.0na max;I off 1.0na.
37	CDA2-3	17		MOH	3.0%	50*	20	0.0	250m	-55	125	K1715	CN6c	Vin 10Vmax,Iin 1.0na max;I off 1.0na.
38	CDA2-4	17		MOH	3.0%	50*	20	0.0	250m	-55	125	K1715	CN6c	Vin 10Vmax,Iin 1.0na max;I off 1.0na.
39	CAG7	17		MOH	3.0%	60*	15	15	1.4	-55	125	K0229	CN48g	SPST or DPST;Rds 6.0Ω;Ton/OFF 2.0us max.
40	CAG7-10	17		MOH	3.0%	60*	15	15	1.4	-55	125	K0229	CN48g	SPST or DPST;Rds10Ω;Ton/Off 2.0us max
41▼	AD7511JD	17		MON	3.0%	80*	15	15	450m	0	75	K1762	M361	Quad;RDS(ON) 75Ω;ton 1.2us;toff 800ns.
42▼	AD7511JN	17		MON	3.0%	80*	15	15	670m	0	75	K1762	M345a	Quad;RDS(ON) 75Ω;ton 1.2us;toff 800ns.
43▼	AD7511SD	17		MON	3.0%	80*	15	15	450m	-55	125		M361	Quad;RDS(ON) 75Ω;ton 1.2us;toff 800ns.
44▼	AD7512JD	17		MON	3.0%	80*	15	15	450m	0	75			Dual SPDT;R(ON) 70Ω;trans time 1.2us.
45▼	AD7512JN	17		MON	3.0%	80*	15	15	670m	0	75		M105aj	Dual SPDT;R(ON) 70Ω;trans time 1.2us.
46▼	AD7512SD	17		MON	3.0%	80*	15	15	450m	-55	125	K1763		Dual SPDT,R(ON) 70Ω;trans time 1.2us.
47▼	AD7513JH	17		MON	3.0%	80*	15	15	450m	0	75	K1764	TO100	Dual SPDT;RDS(ON) 55Ω;ton 700ns.
48▼	AD7513JN	17		MON	3.0%	80*	15	15	670m	0	75	K1764	M105aj	Dual SPDT;RDS(ON) 55Ω;ton 700ns.
49▼	AD7513SH	17		MON	3.0%	80*	15	15	450m	-55	125	K1764	TO100	Dual SPDT;RDS(ON) 55Ω;ton 700ns.
50	DG139AL	17		MOS	3.0	80	18	12	750m	-55	125	K0248h	TO86	Driver w/FET SW;ton 800ns;toff 1.6us.
51	DG139AP	17		MOS	3.0	80	18	12	750m	-55	125	K0248h	TO116	Driver w/FET SW;ton 800ns;toff 1.6us.
52	DG139BL	17		MOS	3.0	80	18	12	750m	-20	85	K0248j	TO86	Driver w/FET SW;ton 1.0us;toff 2.0us.
53	DG139BP	17		MOS	3.0	80	18	12	750m	-20	85	K0248j	TO116	Driverw/FET SW;ton 1.0us;toff 2.0us.
54	DG142AL	17		MOS	3.0	80	18	12	750m	-55	125	K0248k	TO86	Driver w/FET SW;ton 800ns;toff 1.6us.
55	DG142AP	17		MOS	3.0	80	18	12	750m	-55	125	K0248k	TO116	Driver w/FET SW;ton 800ns,toff 1.6us.
56	DG142BL	17		MOS	3.0	80	18	12	750m	-20	85	K0248k	TO86	Driver w/FET SW;ton 1.0us;toff 2.0us.
57	DG142BP	17		MOS	3.0	80	18	12	750m	-20	85	K0248k	TO116	Driver w/FET SW;ton 1.0us;toff 2.0us.
58	DG143AL	17		MOS	3.0	80	18	12	750m	-55	125	K0249k	TO86	Driver w/FET SW;ton 800ns;toff 1.6us.
59	DG143AP	17		MOS	3.0	80	18	12	750m	-55	125	K0249k	TO116	Driver w/FET SW;ton 800ns;toff 1.6us.
60	DG143BL	17		MOS	3.0	80	18	12	750m	-20	85	K0249k	TO86	Driver w/FET SW;ton 1.0us;toff 2.0us.
61	DG143BP	17		MOS	3.0	80	18	12	750m	-20	85	K0249k	TO116	Driver w/FET SW;ton 1.0us;toff 2.0us.
62	DG144AL	17		MOS	3.0	80	18	12	750m	-55	125	K0249h	TO86	Driver w/FET SW;ton 800ns;toff 1.6us.
63	DG144AP	17		MOS	3.0	80	18	12	750m	-55	125	K0249h	TO116	Driver w/FET SW;ton 800ns;toff 1.6us
64	DG144BL	17		MOS	3.0	80	18	12	750m	-20	85	K0249j	TO86	Driver w/FET SW;ton 1.0us;toff 2.0us.
65	DG144BP	17		MOS	3.0	80	18	12	750m	-20	85	K0249j	TO116	Driver w/FET SW;ton 1.0us;toff 2.0us.
66	DG145AL	17		MOS	3.0	80	18	12	750m	-55	125	K0248m	TO86	Driver w/FET SW;ton 1.0us;toff 2.5us.
67	DG145AP	17		MOS	3.0	80	18	12	750m	-55	125	K0248m	TO116	Driver w/FET SW;ton 1.0us;toff 2.5us
68	DG145BL	17		MOS	3.0	80	18	12	750m	-20	85	K0248n	TO86	Driver w/FET SW;ton 1.5us;toff 2.5us
69	DG145BP	17		MOS	3.0	80	18	12	750m	-20	85	K0248n	TO116	Driver w/FET SW;ton 1.5us;toff 2.5us.
70	DG146AL	17		MOS	3.0	80	18	12	750m	-55	125	K0249m	TO86	Driver w/FET SW;ton 1.0us;toff 2.5us.
71	DG146AP	17		MOS	3.0	80	18	12	750m	-55	125	K0249m	TO116	Driver w/FET SW;ton 1.0us;toff 2.5us.
72	DG146BL	17		MOS	3.0	80	18	12	750m	-55	125	K0249n	TO86	Driver w/FET SW;ton 1.5us;toff 2.5us.
73	DG146BP	17		MOS	3.0	80	18	12	750m	-55	125	K0249n	TO116	Driver w/FET SW;ton 1.5us;toff 2.5us.
74	CAG14	17		MOH	3.5%	50*	15	5.0	30m	-55	125		TO100	SPST;Ron 50Ω TON-12ns Toff 20ns.
75	CAG14A	17		MOH	3.5%	50*	15	5.0	30m	-55	125		FP70	SPST;Ron 50Ωmax Ton-12ns Toff 20ns.
76	CDA18	17		MOH	3.5%	50*	15	5.0	30m	-55	125		TO100	SPDT FET Ron50Ωmax Ton12ns Toff 20ns.
77	CDA18A	17		MOH	3.5%	50*	15	5.0	30m	-55	125		FP70	SPDT FET Ron50Ωmax,Ton12ns;Toff20ns.
78	CDA23	17	10M	TFH	3.5%	50*	15	5.0	50m	-55	125		TO100	Hi Speed .20ns Dia Switch for -10V REF.
79♦	HI-1F1800-2	17		MON	4.0%	40*	12	12	200m	-55	125	K1761	M210c	4 Chan Analog Switch;R(on)125Ω.
80♦	HI-1F1800-5	17		MON	4.0%	40*	12	12	200m	0	75	K1761	M210c	4 Chan Analog Switch;R(on)125Ω.
81♦	HI-1F1800A2	17		MON	4.0%	40*	12	12	200m	-55	125	K1761	M210c	4 Chan Analog Switch;R(on)125Ω.
82♦	HI-1F1800A5	17		MON	4.0%	40*	12	12	200m	0	75	K1761	M210c	4 Chan Analog Switch;R(on)125Ω.
83▼	AD7510J	17		MON	4.2%	80*	15	15	450m	0	75	K1762	M361	Quad;RDS(ON)75Ω;ton,toff 1.0us.
84	DG171AA	17		MOS	5.0	0.0	20	10	750m	-55	125	K1739	TO100	SW w/Differential Driver;ton 250ns.
85	DG171BA	17		MOS	5.0	0.0	20	10	750m	-20	85	K1739	TO100	SW w/Differential Driver;ton 250ns.
86	DG172AL	17		MOS	5.0	0.0	20	10	750m	-55	125	K1740	TO86	Driver w/MOS SW;ton 300ns;toff 750ns.
87	DG172AP	17		MOS	5.0	0.0	20	10	750m	-55	125	K1740	TO116	Driver w/MOS SW;ton 300ns;toff 750ns.
88	DG172BK	17		MOS	5.0	0.0	20	10	750m	-20	85	K1740	TO116	Driver w/MOS SW;ton 500ns;toff 1.0us.
89	DG172BL	17		MOS	5.0	0.0	20	10	750m	-20	85	K1740	TO86	Driver w/MOS SW;ton 500ns;toff 1.0us.
90	DG172CJ	17		MOS	5.0	0.0	20	10	470m	0	70	K1740	TO116	Driver w/MOS Switch;ton 80ns;toff 500ns.
91	DG173AL	17		MON	5.0	0.0	20	10	750m	-55	125	K1741	TO86	SW w/Driver;ton 200ns;toff 700ns.
92	DG173AP	17		MON	5.0	0.0	20	10	750m	-55	125	K1741	TO116	SW w/Driver;ton 200ns;toff 700ns.
93	DG173BK	17		MON	5.0	0.0	20	10	750m	-20	85	K1741	TO116	SW w/Driver;ton 200ns;toff 800ns.
94	DG173BL	17		MON	5.0	0.0	20	10	750m	-20	85	K1741	TO86	SW w/Driver;ton 200ns;toff 800ns.
95	DG175AA	17		MON	5.0	0.0	20	10	750m	-55	125	K1742	TO100	MOS SW w/DIFF Driver;ton 200ns;toff 400ns.
96	DG175BA	17		MON	5.0	0.0	20	10	750m	-20	85	K1742	TO100	MOS SW w/DIFF Driver;ton 200ns;toff 400ns.
97▼	AD7519JN	17		MON	7.0%	40*	15	15	670m	0	75	K1766	M105aj	Quad SPDT Steering Sw;R(ON) 65Ω.
98	G115IFD	17		MOS	-2.0%		20	0.0		-20	85	K3812	TO86	6 Channel; Rds(on) 500Ω max; BVDSS -25Vmin
99	MX55C	17		MOS	-4.8%	-1.0*	15	0.0		-25	75	K1728	FP81	Low Voltage Quad Switch.
100	G125IFD	17		MON	-5.0*		20	0.0	500m	-20	85	K385	TO86	4 Channel;Rds(on)500Ωmax;IDSS500uA min
101	G125MFD	17		MON	-5.0*		20	0.0	500m	-55	125	K385	TO86	4 Channel;Rds(on)500Ωmax;IDSS 500uA min
102	G127IFD	17		MON	-5.0*		20	0.0	500m	-20	85	K385	TO86	4 Channel;Rds(on)90Ω max; IDSS 5.0mA min.
103	G127MFD	17		MON	-5.0*		20	0.0	500m	-55	125	K385	TO86	4 Channel;Rds(on)90Ω max, IDSS 5.0mA min
104	G129IFD	17		MON	-5.0*		20	0.0	500m	-20	85	K386	TO86	4 Channel;Rds(on)500Ω max; IDSS500uA min.
105	G129MFD	17		MON	-5.0*		20	0.0	500m	-55	125	K386	TO86	4 Channel;Rds(on)500Ω max; IDSS 500uA min.
106	G131IFD	17		MON	-5.0*		20	0.0	500m	-20	85	K386	TO86	4 Channel;Rds(on)90Ω max;IDSS 5.0mA min.
107	G131MFD	17		MON	-5.0*		20	0.0	500m	-55	125	K386	TO86	Rds(on)90Ω max;IDSS 5.0mA min.
108	G1330IFD	17		MON	-5.0*		20	0.0	500m	-20	85	K385	TO86	4 Channel;Rds(on)20Ω max;IDSS 15mA min.
109	G1330MFD	17		MON	-5.0*		20	0.0	500m	-55	125	K385	TO86	4 Channel;Rds(on)20Ω max;IDSS 15mA min.
110	G1350IFD	17		MON	-5.0*		20	0.0	500m	-20	85	K386	TO86	4 Channel;Rds(on)20Ω max;IDSS 15mA min.

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	G1350MFD	17		MON	-5.0*		20	0.0	500m	-55	125	K386	TO86	4 Channel;Rds(on)20Ω max;IDSS 15mA min.
2	MX54C	17		MOS	-9.0%	-2.5*	27	0.0	635m	-25	75	K1728	FP81	4 Channel series Shunt Switch.
3	CM4016AD	17		MOS	10	0.0	0.0	10	200m	-55	125	K1722	M105av	Quad Bilateral Switch;tpd 10ns.
4	CM4016AE	17		MOS	10	0.0	0.0	10	200m	-40	85	K1722	M105av	Quad Bilateral Switch;tpd 10ns.
5	SCL4416AD	17		MOS	10	0.0	0.0	10	300u%	-55	125	K1754	Δ001AD	Bilateral DPDT SW;tpd 20ns.
6	SCL4416AE	17		MOS	10	0.0	0.0	10	300u%	-40	85	K1754	Δ001AB	Bilateral DPDT SW;tpd 20ns.
7	INS4016S	17	10M	MOS	10	0.0†	0.0	10	15u%	-55	125	K1722	M236b	CMS Quad Bilateral Switch;tpd 10ns max.
8	AM1000H	17	4.0M†		10	-20	10	0 0	300m	-55	150	K1760	TO72	NCH FET SW;R(on)30Ω max;ton,toff100ns max.
9	AM1002H	17	4.0M†		10	-20	10	0.0	300m	-55	150	K1760	TO72	NCH FET SW,R(on)100Ω max;ton 200ns max.
10	DAS2107	17	1.0M	TFH	12%	1.0*	20	20	500m	-55	125		CN44a	SPST Fet;Analogue Sw;Ton 300nS;Toff 300nS.
11	DAS2114	17	1.0M	TFH	15%	1.0*	15	15	1.2	-55	125	K1718a	CN48j	SPDT Fet,Analogue Sw;Ton 1.0nS;Toff 1.0nS.
12	NC2114	17	1.0M		15	1.0	15	15	1.2	-55	125	K1718a	CN48e	SPDT FET Analog Switch.
13	NC2127	17	1 0M		15	1.0	15	15	1.8	-55	125			DPDT FET Analog Switch.
14	G150AA	17		MOS	15	15	15	15	500m	-55	125	K1749	TO99	MOS SPST SW,R(on) 75Ω max;ton 75ns max.
15	G150DA	17		MOS	15	15	15	15	500m	-55	85	K1749	TO99	MOS SPST SW;R(on) 100Ω max;ton 30ns.
16	AM1001H	17	4 0M†		15	-20	15	0.0	300m	-55	150	K1760	TO72	NCH FET SW;R(on)50Ω max;ton 150ns max.
17	DAS2110	17	1.0M	TFH	18%	1.5*	20	20	500m	-55	125		CN44a	SPST Fet,Analogue Sw;Ton 300nS;Toff 300nS.
18	G114L	17		MOS	20	0.0	20	0.0	750m	-55	125	K15239	TO86	5 Channel FET SW;Rds 1000Ω.
19	G126IFD	17		MON	-10*		20	0.0	500m	-20	85	K385	TO86	4 Channel;Rds(on)250Ω max; IDSS 2.0mA min
20	G126MFD	17		MON	-10*		20	0.0	500m	-55	125	K385	TO86	4 Channel;Rds(on)250Ω max, IDSS 2.0mA min
21	G128IFD	17		MON	-10*		20	0.0	500m	-20	85	K385	TO86	4 Channel;Rds(on)45Ω max; IDSS 10mA min.
22	G128MFD	17		MON	-10*		20	0.0	500m	-55	125	K385	TO86	4 Channel;Rds(on)45Ω max; IDSS 10mA min.
23	G130IFD	17		MON	-10*		20	0.0	500m	-20	85	K386	TO86	4 Channel;Rds(on)250Ω max; IDSS 2.0mA min.
24	G130MFD	17		MON	-10*		20	0.0	500m	-55	125	K386	TO86	4 Channel;Rds(on)250Ω max; IDSS 2.0mA min
25	G132IFD	17		MON	-10*		20	0.0	500m	-20	85	K386	TO86	4 Channel,Rds(on)45Ω max;IDSS 10mA min.
26	G132MFD	17		MON	-10*		20	0 0	500m	-55	125	K386	TO86	4 Channel;Rds(on)45Ω max;IDSS 10mA min.
27	G1340IFD	17		MON	-10*		20	0.0	500m	-20	85	K385	TO86	4 Channel;Rds(on)10Ω max;IDSS 30mA min.
28	G1340MFD	17		MON	-10*		20	0.0	500m	-55	125	K385	TO86	4 Channel;Rds(on)10Ω max,IDSS 30mA min.
29	G1360IFD	17		MON	-10*		20	0.0	500m	-20	85	K386	TO86	4 Channel;Rds(on)10Ω max;IDSS 30mA min.
30	G1360MFD	17		MON	-10*		20	0.0	500m	-55	125	K386	TO86	4 Channel;Rds(on)10Ω max;IDSS 30mA min.
31	G115IDD	17			-20%		20	0.0		-20	85	K3812	TO116	6 Channel;Rds(on)500Ω max; BVDSS -25V min.
32	G123IDD	17		MOS	-20%		20	0 0		-20	85	K3817	TO116	4 Channel;Rds(on)500Ω max; BVDSS -25V min.
33	G123IFD	17		MOS	-20%		20	0.0		-20	85	K3817	TO86	4 Channel;Rds(on)500Ω max; BVDSS -25V min.
34	MM452F	17		MOS	-20	0.0	20	0	200m	-55	125	K173		Four MOS Transistors.
35	MM552F	17		MOS	-20	0.0	20	0	200m	0	70	K174		Four MOS Transistors.
36	HX625	19					6.0	12	500m	-55	125	K1917	FP☑	Dual Core Memory;VTH 27mV max,tpd 25ns.
37	N7520B	19					0 0	5.0						6 core memory used as flip-flop;Vth±4.0mV
38	N7521B	19					0 0	5.0						6 core memory used as flip-flop,Vth±7.0mV
39	N7522B	19					0 0	5.0						6 core memory used as wire-or;Vth ±4.0mV.
40	N7523B	19					0.0	5.0						6 core memory used as wire-or;Vth ±7.0mV.
41	N7524B	19					0.0	5.0						6 core memory,dual channel;Vth ±4.0mV
42	N7525B	19					0.0	5.0						6 core memory;dual channel;Vth ±7.0mV.
43	MC1543L	19		MON	-.80	-1.7†	5 2	5.0	230m	-55	125	K1912	TO116	Dual MECL Core Memory;Vth 23mV max.
44	CA3541D	19		MON	1.6	70	5.0	5.0	180m	-55	125	K1911	Δ001AD	Inp Volt ±5.0V;Load Current ±25mA.
45	MC1446L	19		MON	2.0%	.40†*	6.0	5.0	575m	0	75	K1913	M191	Four-Channel Plated-Wire.
46	LM5520J	19		MON	2.0%	80*	5 0	5.0	265m§	-55	125	K1937	M200k	Dual Core Memory;tpd 55ns max.
47	LM5520N	19		MON	2.0%	.80*	5.0	5.0	265m§	-55	125	K1937	M345	Dual Core Memory;tpd 55ns max.
48	LM5521J	19		MON	2.0%	.80*	5.0	5.0	265m§	-55	125	K1937	M200k	Dual Core Memory;tpd 55ns max.
49	LM5521N	19		MON	2.0%	80*	5.0	5.0	265m§	-55	125	K1937	M345	Dual Core Memory;tpd 55ns max
50	LM5522J	19		MON	2.0%	.80*	5.0	5.0	265m§	-55	125	K1938	M200k	Dual Core Memory;tpd 45ns max.
51	LM5522N	19		MON	2.0%	.80*	5.0	5.0	265m§	-55	125	K1938	M345	Dual Core Memory;tpd 45ns max.
52	LM5523J	19		MON	2.0%	.80*	5.0	5.0	265m§	-55	125	K1938	M200k	Dual Core Memory;tpd 45ns max.
53	LM5523N	19		MON	2.0%	80*	5.0	5.0	265m§	-55	125	K1938	M345	Dual Core Memory;tpd 45ns max.
54	LM5524J	19		MON	2.0%	80*	5.0	5.0	290m§	-55	125	K1935a	M200k	Dual Core Memory;tpd 40ns max
55	LM5524N	19		MON	2.0%	.80*	5.0	5.0	290m§	-55	125	K1935a	M345	Dual Core Memory;tpd 40ns max.
56	LM5525J	19		MON	2.0%	.80*	5.0	5.0	290m§	-55	125	K1935a	M200k	Dual Core Memory;tpd 40ns max.
57	LM5525N	19		MON	2.0%	.80*	5.0	5.0	290m§	-55	125	K1935a	M345	Dual Core Memory;tpd 40ns max.
58	LM5528J	19		MON	2.0%	.80*	5.0	5 0	290m§	-55	125	K1935	M200k	Dual Core Memory;tpd 40ns max.
59	LM5528N	19		MON	2 0%	.80*	5.0	5.0	290m§	-55	125	K1935	M345	Dual Core Memory;tpd 40ns max.
60	LM5529J	19		MON	2.0%	80*	5.0	5.0	290m§	-55	125	K1935	M200k	Dual Core Memory;tpd 40ns max
61	LM5529N	19		MON	2.0%	.80*	5.0	5.0	290m§	-55	125	K1935	M345	Dual Core Memory;tpd 40ns max.
62	LM5534J	19		MON	2.0%	.80*	5.0	5.0	280m§	-55	125	K1935c	M200k	Dual Core Memory;tpd 40ns max.
63	LM5534N	19		MON	2.0%	.80*	5.0	5.0	280m§	-55	125	K1935c	M345	Dual Core Memory;tpd 40ns max.
64	LM5535J	19		MON	2.0%	.80*	5.0	5.0	280m§	-55	125	K1935c	M200k	Dual Core Memory;tpd 40ns max.
65	LM5535N	19		MON	2.0%	.80*	5 0	5.0	280m§	-55	125	K1935c	M345	Dual Core Memory;tpd 40ns max.
66	LM5538J	19		MON	2.0%	.80*	5.0	5.0	280m§	-55	125	K1935b	M200k	Dual Core Memory;tpd 40ns max.
67	LM5538N	19		MON	2.0%	.80*	5.0	5.0	280m§	-55	125	K1935b	M345	Dual Core Memory;tpd 40ns max.
68	LM5539J	19		MON	2.0%	.80*	5.0	5.0	280m§	-55	125	K1935b	M200k	Dual Core Memory;tpd 40ns max.
69	LM5539N	19		MON	2.0%	.80*	5.0	5.0	280m§	-55	125	K1935b	M345	Dual Core Memory;tpd 40ns max.
70	LM7520J	19		MON	2.0%	.80*	5.0	5.0	265m§	0	70	K1937	M200k	Dual Core Memory;tpd 55ns max.
71	LM7520N	19		MON	2.0%	.80*	5.0	5.0	265m§	0	70	K1937	M345	Dual Core Memory;tpd 55ns max.
72	LM7521J	19		MON	2 0%	.80*	5.0	5.0	265m§	0	70	K1937	M200k	Dual Core Memory;tpd 55ns max
73	LM7521N	19		MON	2 0%	80*	5 0	5 0	265m§	0	70	K1937	M345	Dual Core Memory;tpd 55ns max.
74	LM7522J	19		MON	2.0%	.80*	5.0	5.0	265m§	0	70	K1938	M200k	Dual Core Memory;tpd 45ns max.
75	LM7522N	19		MON	2.0%	.80*	5.0	5.0	265m§	0	70	K1938	M345	Dual Core Memory;tpd 45ns max.
76	LM7523J	19		MON	2.0%	.80*	5.0	5.0	265m§	0	70	K1938	M200k	Dual Core Memory;tpd 45ns max.
77	LM7523N	19		MON	2.0%	.80*	5.0	5.0	265m§	0	70	K1938	M345	Dual Core Memory;tpd 45ns max
78	LM7524J	19		MON	2.0%	80*	5.0	5.0	290m§	0	70	K1935a	M200k	Dual Core Memory;tpd 40ns max.
79	LM7524N	19		MON	2 0%	80*	5.0	5.0	290m§	0	70	K1935a	M345	Dual Core Memory;tpd 40ns max
80	LM7525J	19		MON	2.0%	.80*	5.0	5.0	290m§	0	70	K1935a	M200k	Dual Core Memory;tpd 40ns max.
81	LM7525N	19		MON	2.0%	.80*	5.0	5.0	290m§	0	70	K1935a	M345	Dual Core Memory;tpd 40ns max.
82	LM7528J	19		MON	2.0%	80*	5.0	5.0	290m§	0	70	K1935	M200k	Dual Core Memory;tpd 40ns max.
83	LM7528N	19		MON	2.0%	80*	5.0	5.0	290m§	0	70	K1935	M345	Dual Core Memory;tpd 40ns max.
84	LM7529J	19		MON	2.0%	.80*	5.0	5.0	290m§	0	70	K1935	M200k	Dual Core Memory;tpd 40ns max.
85	LM7529N	19		MON	2.0%	.80*	5.0	5.0	290m§	0	70	K1935	M345	Dual Core Memory;tpd 40ns max.
86	LM7534J	19		MON	2.0%	.80*	5.0	5.0	280m§	0	70	K1935c	M200k	Dual Core Memory;tpd 40ns max.
87	LM7534N	19		MON	2.0%	.80*	5.0	5.0	280m§	0	70	K1935c	M345	Dual Core Memory;tpd 40ns max
88	LM7535J	19		MON	2.0%	.80*	5.0	5.0	280m§	0	70	K1935c	M200k	Dual Core Memory;tpd 40ns max
89	LM7535N	19		MON	2.0%	.80*	5.0	5.0	280m§	0	70	K1935c	M345	Dual Core Memory;tpd 40ns max.
90	LM7538J	19		MON	2.0%	.80*	5.0	5.0	280m§	0	70	K1935b	M200k	Dual Core Memory;tpd 40ns max.
91	LM7538N	19		MON	2.0%	.80*	5.0	5.0	280m§	0	70	K1935b	M345	Dual Core Memory;tpd 40ns max
92	LM7539J	19		MON	2.0%	.80*	5.0	5.0	280m§	0	70	K1935b	M200k	Dual Core Memory;tpd 40ns max.
93	LM7539N	19		MON	2.0%	.80*	5.0	5.0	280m§	0	70	K1935b	M345	Dual Core Memory;tpd 40ns max.
94	MC1444L	19		MON	2.0%	80*	0.0	5.0	1.0	0	75	K1925	M191	4 Channel;Vth 1.3mV†;tpd 25ns max.
95	MC1544L	19		MON	2.0%	.80*	0.0	5 0	1.0	-55	125	K1925	M191	4 Channel,Vth 1.3mV†,tpd 25ns max.
96	MC5528L	19		MON	2.0%	.80*	5.0	5.0	575m	-55	125	K1935	M191	Dual W/Preamp;tpd 40ns max.
97	MC5529L	19		MON	2.0%	.80*	5.0	5.0	575m	-55	125	K1935	M191	Dual W/Preamp;tpd 49ns max
98	MC5534L	19		MON	2.0%	.80*	5.0	5.0	575m	-55	125	K1935a	M191	Dual W/Inverted Outputs.
99	MC5535L	19		MON	2.0%	.80*	5.0	5.0	575m	-55	125	K1935a	M191	Dual W/Inverted Ouuputs.
100	MC5538L	19		MON	2.0%	.80*	5.0	5.0	575m	-55	125	K1935	M191	Dual W/Preamp And Inverted Outputs.
101	MC5539L	19		MON	2.0%	.80*	5.0	5.0	575m	-55	125	K1935	M191	Dual W/Preamp And Inverted Outputs.
102	MC7520L	19		MON	2.0%	.80*	5.0	5.0	575m	0	70	K15390	M191	Dual,Vth 44mV,tpd 55ns max.
103	MC7521L	19		MON	2.0%	.80*	5.0	5.0	575m	0	70	K15390	M191	Dual;Vth 47mV;tpd 55ns max.
104	MC7522L	19		MON	2.0%	.80*	5.0	5.0	575m	0	70	K15391	M191	Dual;Vth 44mV;tpd 45ns max.
105	MC7523L	19		MON	2.0%	80*	5.0	5.0	575m	0	70	K15391	M191	Dual;Vth 47mV;tpd 45ns max.
106	MC7524L	19		MON	2.0%	80*	5.0	5.0	575m	0	70	K15392	M191	Dual;Vth 44mV;tpd 40ns max.
107	MC7525L	19		MON	2.0%	.80*	5.0	5 0	575m	0	70	K15392	M191	Dual;Vth 47mV;tpd 40ns max.
108	MC7528L	19		MON	2.0%	.80*	5.0	5.0	575m	0	70	K1935	M191	Dual W/Preamp;tpd 40ns max
109	MC7528P	19		MON	2.0%	.80*	5.0	5 0	575m	0	70	K1935	M278	Dual W/Preamp;tpd 40ns max.
110	MC7529L	19		MON	2 0%	80*	5.0	5 0	575m	0	70	K1935	M191	Dual W/Preamp;tpd 40ns max

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	[5] TYPE No.	[1] USE	[4] MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL [2] '1' (V)	LOGIC LEVEL [3] '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	MC7529P	19		MON	2.0%	.80*	5.0	5.0	575m	0	70	K1935	M278	Dual W/Preamp;tpd 40ns max.
2	MC7534L	19		MON	2.0%	.80*	5.0	5.0	575m	0	70	K1935a	M191	Dual W/Inverted Outputs.
3	MC7534P	19		MON	2.0%	.80*	5.0	5.0	575m	0	70	K1935a	M278	Dual W/Inverted Outputs.
4	MC7535L	19		MON	2.0%	.80*	5.0	5.0	575m	0	70	K1935a	M191	Dual W/Inverted Outputs.
5	MC7535P	19		MON	2.0%	.80*	5.0	5.0	575m	0	70	K1935a	M278	Dual W/Inverted Outputs.
6	MC7538L	19		MON	2.0%	.80*	5.0	5.0	575m	0	70	K1935	M191	Dual W/Preamp And Inverted Outputs.
7	MC7538P	19		MON	2.0%	.80*	5.0	5.0	575m	0	70	K1935	M278	Dual W/Preamp And Inverted Outputs
8	MC7539L	19		MON	2.0%	.80*	5.0	5.0	575m	0	70	K1935	M191	Dual W/Preamp And Inverted Outputs.
9	MC7539P	19		MON	2.0%	.80*	5.0	5.0	575m	0	70	K1935	M278	Dual W/Preamp And Inverted Outputs.
10	RC7520DD	19		MON	2.0%	.80*	5.0	5.0	210mt	0	70	K1932	M200h	Core Memory;tpd 55ns max;Vth 19mV max.
11	RC7520MP	19		MON	2.0%	.80*	5.0	5.0	210mt	0	70	K1932	M267a	Core Memory;tpd 55ns max;Vth 19mV max.
12	RC7521DD	19		MON	2.0%	.80*	5.0	5.0	210mt	0	70	K1932	M200h	Core Memory;tpd 55ns max;Vth 22mV max.
13	RC7521MP	19		MON	2.0%	.80*	5.0	5.0	210mt	0	70	K1932	M267a	Core Memory;tpd 55ns max;Vth 22mV max.
14	RC7522DD	19		MON	2.0%	.80*	5.0	5.0	210mt	0	70	K1933	M200h	Core Memory;tpd 45ns max;Vth 19mV max.
15	RC7522MP	19		MON	2.0%	.80*	5.0	5.0	210mt	0	70	K1933	M267a	Core Memory;tpd 45ns max;Vth 19mV max.
16	RC7523DD	19		MON	2.0%	.80*	5.0	5.0	210mt	0	70	K1933	M200h	Core Memory;tpd 45ns max;Vth 22mV max.
17	RC7523MP	19		MON	2.0%	.80*	5.0	5.0	210mt	0	70	K1933	M267a	Core Memory;tpd 45ns max;Vth 22mV max.
18	RC7524DD	19		MON	2.0%	.80*	5.0	5.0	200mt	0	70	K1934	M200h	Core Memory;tpd 40ns max;Vth 19mV max.
19	RC7524MP	19		MON	2.0%	.80*	5.0	5.0	200mt	0	70	K1934	M267a	Core Memory;tpd 40ns max;Vth 19mV max
20	RC7525DD	19		MON	2.0%	.80*	5.0	5.0	200mt	0	70	K1934	M200h	Core Memory;tpd 40ns max;Vth 22mV max
21	RC7525MP	19		MON	2.0%	.80*	5.0	5.0	200mt	0	70	K1934	M267a	Core Memory;tpd 40ns max;Vth 22mV max.
22	RM5520DD	19		MON	2.0%	.80*	5.0	5.0	210mt	-55	125	K1932	M200h	Core Memory;tpd 55ns max;Vth 20mV max.
23	RM5520MP	19		MON	2.0%	.80*	5.0	5.0	210mt	-55	125	K1932	M267a	Core Memory;tpd 55ns max;Vth 20mV max.
24	RM5521DD	19		MON	2.0%	.80*	5.0	5.0	210mt	-55	125	K1932	M200h	Core Memory;tpd 55ns max;Vth 22mV max.
25	RM5521MP	19		MON	2.0%	.80*	5.0	5.0	210mt	-55	125	K1932	M267a	Core Memory;tpd 55ns max;Vth 22mV max.
26	RM5522DD	19		MON	2.0%	.80*	5.0	5.0	210mt	-55	125	K1933	M200h	Core Memory;tpd 45ns max;Vth 20mV max.
27	RM5522MP	19		MON	2.0%	.80*	5.0	5.0	210mt	-55	125	K1933	M267a	Core Memory;tpd 45ns max;Vth 20mV max.
28	RM5523DD	19		MON	2.0%	.80*	5.0	5.0	210mt	-55	125	K1933	M200h	Core Memory;tpd 45ns max;Vth 22mV max.
29	RM5523MP	19		MON	2.0%	.80*	5.0	5.0	210mt	-55	125	K1933	M267a	Core Memory;tpd 45ns max;Vth 22mV max.
30	RM5524DD	19		MON	2.0%	.80*	5.0	5.0	200mt	-55	125	K1934	M200h	Core Memory;tpd 40ns max;Vth 20mV max.
31	RM5524MP	19		MON	2.0%	.80*	5.0	5.0	200mt	-55	125	K1934	M267a	Core Memory;tpd 40ns max;Vth 20mV max.
32	RM5525DD	19		MON	2.0%	.80*	5.0	5.0	200mt	-55	125	K1934	M200h	Core Memory;tpd 40ns max;Vth 22mV max.
33	RM5525MP	19		MON	2.0%	.80*	5.0	5.0	200mt	-55	125	K1934	M267a	Core Memory;tpd 40ns max;Vth 22mV max.
34#	SFC2524EC	19		MON	2.0%	.80*	5.0	5.0		0	70	K15223	M117	Vth 19mV max;tpd 40ns max;trec 20ns.
35#	SFC2524KM	19		MON	2.0%	.80*	5.0	5.0		-55	125	K15223	M117	Vth 19mV max;tpd 40ns max;trec 20ns.
36#	SFC2525EC	19		MON	2.0%	.80*	5.0	5.0		0	70	K15223	M117	Vth 22mV max,tpd 40ns max;trec 20ns.
37#	SFC2525KM	19		MON	2.0%	.80*	5.0	5.0		-55	125	K15223	M117	Vth 22mV max;tpd 40ns max;trec 20ns.
38#	SFC2528EC	19		MON	2.0%	.80*	5.0	5.0		0	70	K198	M117	Vth 19mV max;tpd 40ns;trec 20ns.
39#	SFC2528KM	19		MON	2.0%	.80*	5.0	5.0		-55	125	K198	M117	Vth 19mV max;tpd 40ns;trec 20ns.
40#	SFC2529EC	19		MON	2.0%	.80*	5.0	5.0		0	70	K198	M117	Vth 22mV max;tpd 40ns;trec 20ns.
41#	SFC2529KM	19		MON	2.0%	.80*	5.0	5.0		-55	125	K198	M117	Vth 22mV max;tpd 40ns;trec 20ns.
42	SG7520J	19			2.0	80	0.0	5.0	215m%	0	70	K1937	M105ap	Dual;tpd 55ns max.
43	SG7520N	19			2.0	.80	0.0	5.0	215m%	0	70	K1937	M117	Dual;tpd 55ns max.
44	SG7521J	19			2.0	.80	0.0	5.0	215m%	0	70	K1937	M105ap	Dual,tpd 55ns max.
45	SG7521N	19			2.0	.80	0.0	5.0	215m%	0	70	K1937	M117	Dual;tpd 55ns max.
46	SG7522J	19			2.0	.80	0.0	5.0	215m%	0	70	K1938	M105ap	Dual;tpd 45ns max
47	SG7522N	19			2.0	.80	0.0	5.0	215m%	0	70	K1938	M117	Dual;tpd 45ns max.
48	SG7523J	19			2.0	.80	0.0	5.0	215m%	0	70	K1938	M105ap	Dual;tpd 45ns max.
49	SG7523N	19			2.0	80	0.0	5.0	215m%	0	70	K1938	M117	Dual;tpd 45ns max.
50	SG7524J	19			2.0	80	0.0	5.0	215m%	0	70	K1935	M105ap	Dual,tpd 40ns max
51	SG7524N	19			2.0	.80	0.0	5.0	215m%	0	70	K1935	M117	Dual;tpd 40ns max.
52	SG7525J	19			2.0	.80	0.0	5.0	215m%	0	70	K1935	M105ap	Dual;tpd 40nS max.
53	SG7525N	19			2.0	.80	0.0	5.0	215m%	0	70	K1935	M117	Dual;tpd 40ns max.
54	SG7528J	19			2.0	.80	0.0	5.0	215m%	0	70	K1935a	M105ap	Dual;tpd 40ns max
55	SG7528N	19			2.0	.80	0.0	5.0	215m%	0	70	K1935a	M117	Dual;tpd 40ns max.
56	SG7529J	19			2.0	.80	0.0	5.0	215m%	0	70	K1935a	M105ap	Dual;tpd 40ns max.
57	SG7529N	19			2.0	.80	0.0	5.0	215m%	0	70	K1935a	M117	Dual,tpd 40ns max.
58	SG7534J	19			2.0	.80	0.0	5.0	215m%	0	70	K1935b	M105ap	Dual;tpd 40nS max.
59	SG7534N	19			2.0	.80	0.0	5.0	215m%	0	70	K1935b	M117	Dual;tpd 40nS max.
60	SG7535J	19			2.0	.80	0.0	5.0	215m%	0	70	K1935b	M105ap	Dual;tpd 40nS max.
61	SG7535N	19			2.0	.80	0.0	5.0	215m%	0	70	K1935b	M117	Dual;tpd 40nS max.
62	SG7538J	19			2.0	.80	0.0	5.0	215m%	0	70	K1935c	M105ap	Dual;tpd 40nS max
63	SG7538N	19			2.0	.80	0.0	5.0	215m%	0	70	K1935c	M117	Dual;tpd 40nS max.
64	SG7539J	19			2.0	.80	0.0	5.0	215m%	0	70	K1935c	M105ap	Dual;tpd 40nS max.
65	SG7539N	19			2.0	.80	0.0	5.0	215m%	0	70	K1935c	M117	Dual;tpd 40nS max.
66▼	SN5520J	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K15221	M153d	Dual Channel w/Complementary Outputs.
67▼	SN5520JA	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K15221	M359	Dual Channel w/Complementary Outputs.
68▼	SN5521J	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K15221	M153d	Dual Channel w/Complementary Outputs.
69▼	SN5521JA	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K15221	M359	Dual Channel w/Complementary Outputs.
70▼	SN5522J	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K15222	M153d	Dual Channel;Vth 19mV max;trec 20ns.
71▼	SN5522JA	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K15222	M359	Dual Channel;Vth 19mV max;trec 20ns.
72▼	SN5523J	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K15222	M153d	Dual Channel;Vth 22mV max;trec 20ns
73▼	SN5523JA	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K15222	M359	Dual Channel;Vth 22mV max;trec 20ns.
74♦	SN5524J	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K15223	M153d	Dual;Vth 19mV max;trec 20ns
75▼	SN5524JA	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K15223	M359	Dual;Vth 19mV max;trec 20ns.
76♦	SN5525J	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K15223	M153d	Dual;Vth 22mV max;trec 20ns.
77▼	SN5525JA	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K15223	M359	Dual;Vth 22mV max;trec 20ns.
78▼	SN5526J	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K1921	M153d	Dual Channel w/Output Data Registers.
79▼	SN5526JA	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K1921	M359	Dual Channel w/Output Data Registers
80▼	SN5527J	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K1921	M153d	Dual Channel w/Output Data Registers
81▼	SN5527JA	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K1921	M359	Dual Channel w/Output Data Registers.
82▼	SN5528J	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K198	M153d	Dual w/Preamplifier Test Points
83▼	SN5528JA	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K198	M359	Dual w/Preamplifier Test Points.
84▼	SN5529J	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K198	M153d	Dual w/Preamplifier Test Points.
85▼	SN5529JA	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K198	M359	Dual w/Preamplifier Test Points.
86♦	SN7520J	19		MON	2.0%	80*	5.0	5.0	300m%	0	70	K15221	M153d	Vth 19mVmax;tpd 55ns max;trec 20ns.
87♦	SN7520N	19		MON	2.0%	80*	5.0	5.0	300m%	0	70	K15221	M117x	Vth 19mVmax;tpd 55ns max;trec 20ns.
88♦	SN7521J	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K15221	M153d	Vth 22mVmax;tpd 55ns max;trec 20ns.
89♦	SN7521N	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K15221	M117x	Vth 22mVmax;tpd 55ns max;trec 20ns.
90♦	SN7522J	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K15222	M153d	Vth 19mVmax;tpd 45ns max;trec 20ns.
91♦	SN7522N	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K15222	M117x	Vth 19mVmax;tpd 45ns max;trec 20ns.
92♦	SN7523J	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K15222	M153d	Vth 22mVmax,tpd 45ns max;trec 20ns.
93♦	SN7523N	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K15222	M117x	Vth 22mVmax;tpd 45ns max;trec 20ns.
94♦	SN7524J	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K15223	M153d	Vth 19mVmax;tpd 40ns max;trec 20ns.
95♦	SN7524N	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K15223	M117x	Vth 19mVmax;tpd 40ns max;trec 20ns.
96♦	SN7525J	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K15223	M153d	Vth 22mVmax;tpd 40ns max;trec 20ns.
97♦	SN7525N	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K15223	M117x	Vth 22mV max;tpd 40ns max;trec 20ns.
98♦	SN7526J	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K1921	M153d	Vth 19mV max;tpd 45ns max;trec 20ns.
99♦	SN7526N	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K1921	M117x	Vth 19mV max;tpd 45ns max;trec 20ns.
100♦	SN7527J	19		MON	2.0%	80*	5.0	5.0	300m%	0	70	K1921	M153d	Vth 22mV max;tpd 45ns max;trec 20ns.
101♦	SN7527N	19		MON	2.0%	80*	5.0	5.0	300m%	0	70	K1921	M117x	Vth 22mV max;tpd 45ns max;trec 20ns
102♦	SN7528J	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K198	M153d	Vth 19mV max;tpd 40ns max;trec 20ns.
103♦	SN7528N	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K198	M117x	Vth 19mV max;tpd 40ns max;trec 20ns.
104♦	SN7529J	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K198	M153d	Vth 22mV max;tpd 40ns max;trec 20ns.
105♦	SN7529N	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K198	M117x	Vth 22mV max;tpd 40ns max;trec 20ns.
106▼	SN55232J	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K1926	M153d	Dual;tpd 25ns typ;tcyc 200ns typ.
107▼	SN55232JA	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K1926	M359	Dual;tpd 25ns typ;tcyc 200ns typ.
108▼	SN55233J	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K1926	M153d	Dual;tpd 25ns typ;tcyc 200ns typ.
109▼	SN55233JA	19		MON	2.0%	80*	5.0	5.0	300m%	-55	125	K1926	M359	Dual;tpd 25ns typ;tcyc 200ns typ.
110▼	SN55234J	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K1927	M153d	Dual;tpd 40ns max;tcyc 200ns typ.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1▼	SN55234JA	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K1927	M359	Dual;tpd 40ns max;tcyc 200ns typ.
2▼	SN55235J	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K1927	M153d	Dual;tpd 40ns max;tcyc 200ns typ.
3▼	SN55235JA	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K1927	M359	Dual;tpd 40ns max;tcyc 200ns typ.
4▼	SN55236SB	19		MON	2.0%	.80*	5.0	5.0	450m	-55	125	K1940	FP107	Dual w/Data Registers.
5▼	SN55237SB	19		MON	2.0%	.80*	5.0	5.0	450m	-55	125	K1940	FP107	Dual w/Data Registers.
6▼	SN55238J	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K1928	M153d	Dual;w/Preamplifier;tpd 40ns max.
7▼	SN55238JA	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K1928	M359	Dual;w/Preamplifier;tpd 40ns max.
8▼	SN55239J	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K1928	M153d	Dual;w/Preamplifier;tpd 40ns max.
9▼	SN55239JA	19		MON	2.0%	.80*	5.0	5.0	300m%	-55	125	K1928	M359	Dual;w/Preamplifier;tpd 40ns max.
10▼	SN55244J	19		MON	2.0%	.80*	0.0	5.0	1.0	-55	125	K1941	M153d	A-C Coupled 4-Channel;Vth .7mV typ.
11▼	SN55244JA	19		MON	2.0%	.80*	0.0	5.0	1.0	-55	125	K1941	M359	A-C Coupled 4-Channel;Vth .7mV typ.
12▼	SN55244N	19		MON	2.0%	.80*	0.0	5.0	1.0	-55	125	K1941	M117x	A-C Coupled 4-Channel;Vth .7mV typ.
13♦	SN75232J	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K1926	M153d	Dual;tpd 40ns max;tcyc 200ns typ.
14♦	SN75232N	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K1926	M117x	Dual;tpd 40ns max;tcyc 200ns typ.
15♦	SN75233J	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K1926	M153d	Dual;tpd 40ns max;tcyc 200ns typ.
16♦	SN75233N	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K1926	M117x	Dual;tpd 40ns max;tcyc 200ns typ.
17♦	SN75234J	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K1927	M153d	Dual;tpd 40ns max;Tcyc 200ns typ.
18♦	SN75234N	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K1927	M117x	Dual;tpd 40ns max;Tcyc 200ns typ.
19♦	SN75235J	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K1927	M153d	Dual;tpd 40ns max;Tcyc 200ns typ.
20♦	SN75235N	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K1927	M117x	Dual;tpd 40ns max;Tcyc 200ns typ.
21▼	SN75236SB	19		MON	2.0%	.80*	5.0	5.0	450m	0	70	K1940	FP107	Dual w/Data Registers.
22▼	SN75237SB	19		MON	2.0%	.80*	5.0	5.0	450m	0	70	K1940	FP107	Dual w/Data Registers.
23♦	SN75238J	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K1928	M153d	Dual;w/Preamplifier;tpd 40ns max.
24♦	SN75238N	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K1928	M117x	Dual;w/Preamplifier;tpd 40ns max.
25♦	SN75239J	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K1928	M153d	Dual;w/Preamplifier;tpd 40ns max
26♦	SN75239N	19		MON	2.0%	.80*	5.0	5.0	300m%	0	70	K1928	M117x	Dual;w/Preamplifier;tpd 40ns max
27▼	SN75244J	19		MON	2.0%	.80*	0.0	5.0	1.0	0	70	K1941	M153d	A-C Coupled 4-Channel;Vth .7mV typ
28▼	SN75244JA	19		MON	2.0%	.80*	0.0	5.0	1.0	0	70	K1941	M359	A-C Coupled 4-Channel;Vth .7mV typ.
29▼	SN75244N	19		MON	2.0%	.80*	0.0	5.0	1.0	0	70	K1941	M117x	A-C Coupled 4-Channel;Vth .7mV typ.
30	P3208A	19		MON	2.0%	.85*	0.0	5.0	600m	0	70	K1930	M290	High Speed Hex MOS Sense Amp.
31	P3408A	19		MON	2.0%	85*	0.0	5.0	600m	0	70	K1931	M290	High Speed Hex MOS Sense Amp with Latch.
32	LM163J	19		MON	2.4%	40*†	5.0	5.0	600m	-55	125	K1939	M257c	Dual;tpd 30ns max;Vi ±5.0V
33	LM363AJ	19		MOS	2.4%	.40†*	5.0	5.0	600m	0	70	K1939	M257c	Dual;tpd 35ns max;Vi ±5.0V.
34	LM363AN	19		MOS	2.4%	.40†*	5.0	5.0	600m	0	70	K1939	M344	Dual;tpd 35ns max;Vi ±5.0V.
35	LM363J	19		MON	2.4%	40†*	5.0	5.0	600m	0	70	K1939	M257c	Dual;tpd 30ns max;Vi ±5.0V.
36	LM363N	19		MON	2.4%	.40†*	5.0	5.0	600m	0	70	K1939	M344	Dual;tpd 30ns max;Vi ±5.0V.
37	SI5524	19			2.4	.40†			750m%	-55	125		TO116	Vth 19mV;In Offset cur. 500nAtyp;td 40ns.
38	SI5525	19			2.4	40†			750m%	-55	125		TO116	Vth 22mV;In Offset Cur. 500nA typ;td 40ns.
39	SI7524	19			2.4	.40†			750m%	0	65		TO116	Vth 19mV;In Offset Cur. 500nAtyp; td 40ns.
40	SI7525	19			2.4	.40†			750m%	0	65		TO116	Vth 22mV;In Offset Cur. 500nAtyp; td 40ns.
41	SN75270J	19		MON	2.4%	.40*†	0.0	5.0	100mt	0	70	K1929	M153a	MOS Sense Amp;MOS to TTL Conv.
42	SN75270N	19		MON	2.4%	.40*†	0.0	5.0	100mt	0	70	K1929	M117	MOS Sense Amp;MOS to TTL Conv.
43▼	CA1541D	19		MON	3.0%	.35†*	5.0	5.0	750m	-55	125	K1942	Δ001AD	Dual Input;tpd 35ns max.
44♦	MC1441F	19		MON	3.0%	.40*†	5.0	5.0	500m	0	75	K1911	TO86	Dual Channel Core Memory;Vth 20mV max.
45	MC1441L	19		MON	3.0%	.40*†	5.0	5.0	600m	0	75	K1911	TO116	Dual Channel Core Memory,Vth 20mV max.
46	MC1541F	19		MON	3.0%	.40*†	5.0	5.0	500m	-55	125	K1911	TO86	Dual channel core memory; Vth 20mVmax.
47♦	MC1541L	19		MON	3.0%	.40*†	5.0	5.0	600m	-55	125	K1911	TO116	Dual Channel Core Memory;Vth 20mV max.
48	N8T25B	19		MOS	3.5	40†	0.0	5.0	200m	0	75	K1936	M317	Dual;tpd 25ns max;Latch Volt 5.5V max.
49	MC1440F	19		MON	5.8%	.45*†	6.0	6.0	500m	0	75	K15221	TO91	Core Memory;Vth 24mV max;Vio 1.0mV.
50	MC1440G	19		MON	5.8%	45*†	6.0	6.0	680m	0	75	K15221	CN54a	Core Memory;Vth 24mV max;Vio 1.0mV.
51	MC1440L	19		MON	5.8%	.45*†	6.0	6.0	625m	0	75	K15221	TO116	Core Memory;Vth 24mV max;Vio 1.0mV.
52	MC1440P	19		MON	5.8%	.45*†	6.0	6.0	625m	0	75	K15221	M114	Core Memory;Vth 24mV max;Vio 1.0mV.
53♦	MC1540F	19		MON	5.9%	.40*†	6.0	6.0	500m	-55	125	K15221	TO91	Core Memory;Vth 20mV max;Vio 1.0mV.
54♦	MC1540G	19		MON	5.9%	.40*†	6.0	6.0	680m	-55	125	K15221	CN54a	Core Memory;Vth 20mV max;Vio 1.0mV.
55♦	MC1540L	19		MON	5.9%	.40*†	6.0	6.0	625m	-55	125	K15221	TO116	Core Memory;Vth 20mV max;Vio 1.0mV.
56	HX620	19			13%	30†*	6.0	12	700m	-55	125	K1918	FP72	Triple; Strobe Volt 6.0V;tpd 75ns max.
57	HEP571-RT	20					0.0	4.0	250m				TO116	FO 80 typ;tpd 15ns typ.
58	HEP582-RT	20					0.0	4.0	46m				TO99	FO 30 typ;tpd 52ns typ.
59	HX635	20					0.0	5.0		-55	125	K201	FP☑	Transformer Driver;tpd 50ns max.
60	CH1032	20	3.0MΔ	MOS	0.0*	-27*†	27	0.0	100mt	-25	75		M158a	MOS Memory;Ton 30ns;Toff 30ns.
61▼	5518	20		PCB	2.0%	.80*	0.0	5.0	480mt	0	70		CB62	Quad Tri-State Buffer;tpd 23ns max
62▼	5518A	20		PCB	2.0%	80*	0.0	5.0	540mt	0	70		CB62	Quad Tri-State Buffer;tpd 23ns max.
63	DM7093D	20			2.0%	.80*	0.0	5.0	297m%	-55	125	K202a	M105aq	Tri-state quad buffers;tpd 23ns max
64	DM7094D	20			2.0%	80*	0.0	5.0	341m%	-55	125	K202	M105aq	Tri-state quad buffers;tpd 23ns max
65	DM8093N	20			2.0%	.80*	0.0	5.0	283m%	0	70	K202a	M126m	Tri-state quad buffers;tpd 23ns max
66	DM8094N	20			2.0%	.80*	0.0	5.0	325m%	0	70	K202	M126m	Tri-state quad buffers;tpd 23ns max
67▼	SN54125J	20		TTL	2.0%	.80*	0.0	5.0		-55	125	K2010	Δ001AA	TTL 3-State Bus Driver, 16mA Sink.
68▼	SN54125W	20		TTL	2.0%	.80*	0.0	5.0		-55	125	K2010	Δ004AA	TTL 3-State Bus Driver, 16mA Sink.
69▼	SN54126J	20		TTL	2.0%	80*	0.0	5.0		-55	125	K2011	Δ001AA	TTL 3-State Bus Driver, 16mA Sink.
70▼	SN54126W	20		TTL	2.0%	80*	0.0	5.0		-55	125	K2011	Δ004AA	TTL 3-State Bus Driver, 16mA Sink.
71▼	SN54365J	20		TTL	2.0%	80*	0.0	5.0		-55	125	K206	M153d	TTL 3-State Hex Bus Driver,32mA Sink.
72▼	SN54365W	20		TTL	2.0%	.80*	0.0	5.0		-55	125	K206	Δ004AG	TTL 3-State Hex Bus Driver;32mA Sink.
73▼	SN54366J	20		TTL	2.0%	.80*	0.0	5.0		-55	125	K207	M153d	TTL 3-State Hex Bus Driver;32mA Sink.
74▼	SN54366W	20		TTL	2.0%	80*	0.0	5.0		-55	125	K207	Δ004AG	TTL 3-State Hex Bus Driver;32mA Sink.
75▼	SN54367J	20		TTL	2.0%	.80*	0.0	5.0		-55	125	K208	M153d	TTL 3-State Hex Bus Driver;32mA Sink.
76▼	SN54367W	20		TTL	2.0%	.80*	0.0	5.0		-55	125	K208	Δ004AG	TTL 3-State Hex Bus Driver;32mA Sink.
77▼	SN54368J	20		TTL	2.0%	80*	0.0	5.0		-55	125	K209	M153d	TTL 3-State Hex Bus Driver,32mA Sink.
78▼	SN54368W	20		TTL	2.0%	80*	0.0	5.0		-55	125	K209	Δ004AG	TTL 3-State Hex Bus Driver;32mA Sink.
79▼	SN74125J	20		TTL	2.0%	80*	0.0	5.0		0	70	K2010	Δ001AA	TTL 3-State Bus Driver, 16mA Sink.
80▼	SN74125N	20		TTL	2.0%	.80*	0.0	5.0		0	70	K2010	Δ004AA	TTL 3-State Bus Driver, 16mA Sink.
81▼	SN74126J	20		TTL	2.0%	.80*	0.0	5.0		0	70	K2011	Δ001AA	TTL 3-State Bus Driver, 16mA Sink.
82▼	SN74126N	20		TTL	2.0%	80*	0.0	5.0		0	70	K2011	Δ004AA	TTL 3-State Bus Driver, 16mA Sink.
83▼	SN74365J	20		TTL	2.0%	.80*	0.0	5.0		0	70	K206	M153d	TTL 3-State Hex Bus Driver;32mA Sink.
84▼	SN74365N	20		TTL	2.0%	80*	0.0	5.0		0	70	K206	M117x	TTL 3-State Hex Bus Driver;32mA Sink.
85▼	SN74366J	20		TTL	2.0%	80*	0.0	5.0		0	70	K207	M153d	TTL 3-State Hex Bus Driver;32mA Sink.
86▼	SN74366N	20		TTL	2.0%	.80*	0.0	5.0		0	70	K207	M117x	TTL 3-State Hex Bus Driver;32mA Sink.
87▼	SN74367J	20		TTL	2.0%	.80*	0.0	5.0		0	70	K208	M153d	TTL 3-State Hex Bus Driver;32mA Sink.
88▼	SN74367N	20		TTL	2.0%	.80*	0.0	5.0		0	70	K208	M117x	TTL 3-State Hex Bus Driver;32mA Sink.
89▼	SN74368J	20		TTL	2.0%	.80*	0.0	5.0		0	70	K209	M153d	TTL 3-State Hex Bus Driver;32mA Sink.
90▼	SN74368N	20		TTL	2.0%	.80*	0.0	5.0		0	70	K209	M117x	TTL 3-State Hex Bus Driver;32mA Sink.
91▼	JANM38510/05501AEA	20		MON	3.65%	85*	0.0	5.0	200m	-55	125	K06119	M323	Inverting Hex Buffer,tpd 390ns max.
92▼	JANM38510/05501AFA	20		MON	3.65%	.85*	0.0	5.0	200m	-55	125	K06119	FP93	Inverting Hex Buffer;tpd 390ns max.
93▼	JANM38510/05501BEA	20		MON	3.65%	.85*	0.0	5.0	200m	-55	125	K06119	M323	Inverting Hex Buffer;tpd 390ns max.
94▼	JANM38510/05501BFA	20		MON	3.65%	.85*	0.0	5.0	200m	-55	125	K06119	FP93	Inverting Hex Buffer;tpd 390ns max.
95▼	JANM38510/05501CEA	20		MON	3.65%	.85*	0.0	5.0	200m	-55	125	K06119	M323	Inverting Hex Buffer;tpd 390ns max.
96▼	JANM38510/05501CFA	20		MON	3.65%	.85*	0.0	5.0	200m	-55	125	K06119	FP93	Inverting Hex Buffer;tpd 390ns max.
97▼	JANM38510/05502AEA	20		MON	3.65%	85*	0.0	5.0	200m	-55	125	K205	M323	Non Inverting Hex Buffer;tpd 390ns max.
98▼	JANM38510/05502AFA	20		MON	3.65%	.85*	0.0	5.0	200m	-55	125	K205	FP93	Non Inverting Hex Buffer;tpd 390ns max.
99▼	JANM38510/05502BEA	20		MON	3.65%	85*	0.0	5.0	200m	-55	125	K205	M323	Non Inverting Hex Buffer;tpd 390ns max.
100▼	JANM38510/05502BFA	20		MON	3.65%	.85*	0.0	5.0	200m	-55	125	K205	FP93	Non Inverting Hex Buffer;tpd 390ns max.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPER-ATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1▼	JANM38510/05502CEA	20		MON	3 65%	.85*	0.0	5.0	200m	-55	125	K205	M323	Non Inverting Hex Buffer;tpd 390ns max.
2▼	JANM38510/05502CFA	20		MON	3.65%	.85*	0.0	5.0	200m	-55	125	K205	FP93	Non Inverting Hex Buffer;tpd 390ns max.
3▼	JANM38510/05503AEA	20		MON	3.65%	.85*	0 0	5.0	200m	-55	125	K06144	M323	Inverting Hex Buffer;tpd 390ns max.
4▼	JANM38510/05503AFA	20		MON	3 65%	.85*	0.0	5.0	200m	-55	125	K06144	FP93	Inverting Hex Buffer;tpd 390ns max.
5▼	JANM38510/05503BEA	20		MON	3.65%	.85*	0.0	5.0	200m	-55	125	K06144	M323	Inverting Hex Buffer;tpd 390ns max.
6▼	JANM38510/05503BFA	20		MON	3.65%	.85*	0.0	5.0	200m	-55	125	K06144	FP93	Inverting Hex Buffer;tpd 390ns max.
7▼	JANM38510/05503CEA	20		MON	3.65%	.85*	0.0	5.0	200m	-55	125	K06144	M323	Inverting Hex Buffer;tpd 390ns max.
8▼	JANM38510/05503CFA	20		MON	3 65%	85*	0 0	5.0	200m	-55	125	K06144	FP93	Inverting Hex Buffer;tpd 390ns max.
9▼	JANM38510/05504AEA	20		MON	3.65%	.85*	0 0	5.0	200m	-55	125	K06145	M323	Non Inverting Hex Buffer;tpd 390ns max.
10▼	JANM38510/05504AFA	20		MON	3.65%	.85*	0.0	5.0	200m	-55	125	K06145	FP93	Non Inverting Hex Buffer;tpd 390ns max.
11▼	JANM38510/05504BEA	20		MON	3 65%	.85*	0.0	5.0	200m	-55	125	K06145	M323	Non Inverting Hex Buffer;tpd 390ns max.
12▼	JANM38510/05504BFA	20		MON	3.65%	.85*	0.0	5.0	200m	-55	125	K06145	FP93	Non Inverting Hex Buffer;tpd 390ns max.
13▼	JANM38510/05504CEA	20		MON	3.65%	.85*	0.0	5 0	200m	-55	125	K06145	M323	Non Inverting Hex Buffer;tpd 390ns max.
14▼	JANM38510/05504CFA	20		MON	3.65%	.85*	0.0	5 0	200m	-55	125	K06145	FP93	Non-Inverting Hex Buffer,tpd 390ns max.
15	CD4041AD	20		MON	10	0.0†	0.0	10	200m	-55	125	K203	Δ001AD	COS/MOS Quad True/Complement Buffer.
16	CD4041AE	20		MON	10	0.0†	0.0	10	200m	-40	85	K203	Δ001AB	COS/MOS Quad True/Complement Buffer.
17	CD4041AK	20		MON	10	0 0†	0.0	10	200m	-55	125	K203	Δ004AF	COS/MOS Quad True/Complement Buffer.
18	SCL4041AD	20		MOS	10	0.0†	0 0	10	200m	-55	125	K203	Δ001AD	Quad True/Comp. Buffer;tpd 70ns Max.
19	SCL4041AE	20		MOS	10	0.0†	0.0	10	200m	-40	85	K203	Δ001AB	Quad True/Comp. Buffer;tpd 70ns Max.
20	SCL4041AF	20		MOS	10	0.0†	0.0	10	200m	-55	125	K203	Δ004AF	Quad True/Comp. Buffer;tpd 70ns Max.
21	SCL4441AD	20		MOS	10	0.0†	0 0	10	500m	-55	125	K204	Δ001AD	Quad High Current Buffer;tpd 60ns Max.
22	SCL4441AE	20		MOS	10	0.0†	0.0	10	500m	-40	85	K204	Δ001AB	Quad High Current Buffer;tpd 60ns Max.
23	ECDX-H1	21		3DM			15	15	2.1 §	-55	85	K2135	M332	14 Bit Diff.Transmitter;Vi90Vrms at 400Hz.
24	ECDX-H3	21		3DM			15	15	2.1 §	0	70	K2135	M332	14 Bit Diff.Transmitter;Vi90Vrms at 400Hz.
25	ECDX-L1	21		3DM			15	15	2.1 §	-55	85	K2135	M332	14 Bit Diff.Transmitter;Vi11.8Vrms at400Hz
26	ECDX-L3	21		3DM			15	15	2 1 §	0	70	K2135	M332	14 Bit Diff.Transmitter;Vi11.8Vrms at400Hz
27	CH1100	21	100k	MOH			12	12	300m	-20	70		MØ	Teletype Transmitter.
28	MC10123L	21		MON	-.96%	-2.0*†	5.2	0.0	310m†	-30	85	K2133	M191	Triple 4-3-3 Input Bus Driver.
29	9614FC	21		MON	1.5	1.3	0.0	5.0	350m%	0	75		FP47b	Dual Diff.;ΔVo 2.0V;toff 14ns;ton 18ns.
30♦	9614DM	21		MON	1.7%	90*	0 0	5.0	328m%	-55	125	K2145	M224c	Line Driver;Io 200mA max;tpd 20ns max.
31♦	9614FM	21		MON	1.7%	.90*	0.0	5.0	328m%	-55	125	K2145	FP79b	Line Driver;Io 200mA max;tpd 20ns max.
32▼	AM2614DM	21		MON	1 7%	.90*	0.0	5.0	328m%	-55	125	K2144	M224c	Line Driver;Io 200mA max;tpd 20ns max.
33▼	AM2614FM	21		MON	1.7%	.90*	0.0	5 0	328m%	-55	125	K2144	FP79b	Line Driver;Io 200mA max;tpd 20ns max.
34	TG160F	21		MON	1 7%	1.1*	0.0	5 0	54m†	-55	125	K2139	TO86	2 Inp Bus Driver;tpd 70ns max.
35	TG160J	21		MON	1 7%	1.1*	0 0	5.0	54m†	-55	125	K2139	M157c	2 Inp Bus Driver;tpd 70ns max.
36	TG161F	21		MON	1.7%	1.1*	0.0	5.0	54m†	-55	125	K2139	TO86	2 Inp Bus Driver;tpd 70ns max.
37	TG161J	21		MON	1.7%	1.1*	0.0	5.0	54m†	-55	125	K2139	M157c	2 Inp Bus Driver;tpd 70ns max.
38	9621FC	21		MON	1.7	1.5	0.0	12	100m†	0	75	K2118	FP28c	Dual;tpd 200ns max.
39♦	MC75113L	21		MON	1 78	1 08	0 0	5.0	1.0	0	75	K2129	TO116	Differential Party-Line Driver.
40♦	9614DC	21		MON	1 8%	.85*	0.0	5.0	350m%	0	75	K2145	M224c	Line Driver;Io 200mA max;tpd 30ns max.
41▼	9614PC	21		MON	1.8%	.85*	0 0	5.0	350m%	0	75	K2145	M357	Line Driver;Io 200mA max;tpd 30ns max.
42▼	AM2614DC	21		MON	1.8%	.85*	0.0	5.0	350m%	0	75	K2144	M224c	Line Driver;Io 200mA max;tpd 30ns max.
43▼	AM2614PC	21		MON	1.8%	.85*	0.0	5 0	350m%	0	75	K2144	M357	Line Driver;Io 200mA max;tpd 30ns max.
44	TG162F	21		MON	1.8%	1.1*	0.0	5.0	54m†	0	70	K2139	TO86	2 Inp Bus Driver;tpd 70ns max.
45	TG162J	21		MON	1.8%	1.1*	0.0	5.0	54m†	0	70	K2139	M157c	2 Inp Bus Driver;tpd 70ns max.
46	TG163F	21		MON	1.8%	1.1*	0.0	5.0	54m†	0	70	K2139	TO86	2 Inp Bus Driver;tpd 70ns max.
47	TG163J	21		MON	1.8%	1.1*	0.0	5.0	54m†	0	70	K2139	M157c	2 Inp Bus Driver;tpd 70ns max.
48▼	SN75188J	21		MON	1.9%	.80*	9.0	9.0	333m	0	70	K2151	M157b	Quad;tpd 375ns max.
49▼	SN75188N	21		MON	1.9%	.80*	9.0	9 0	333m	0	70	K2151	M126e	Quad;tpd 375ns max
50▼	5550	21		PCB	2.0%	.45*	0 0	5.0	750m†	0	70		CB62	Diff Line Driver;tpd 18ns max.
51	9616CDC	21		MON	2.0*	.80%	12	12	630m	0	75	K2123	TO116	tpd 320ns,Slew Rate 15V/us typ.
52▼	9616DC	21		MON	2 0%	.80*	12	12	528m%	0	75	K2123	M105aw	Line Driver;tpd 650ns max;SR 30V/us max.
53	9616DM	21		MON	2.0*	.80%	12	12	630m	-55	125	K2123	TO116	tpd 320ns,Slew Rate 15V/us typ.
54	9616EDC	21		MON	2.0*	80%	12	12	630m	0	75	K2123	TO116	tpd 320ns, Slew Rate 15V/us typ.
55▼	AM26S12ADC#1	21		MON	2.0%	.80*	0.0	5.0	350m%	0	75	K2142	M356	Schottky Quad Bus Transceiver;tpd 26ns max
56▼	AM26S12ADM#1	21		MON	2.0%	.80*	0 0	5.0	350m%	-55	125	K2142	M224c	Schottky Quad Bus Transceiver;tpd 26ns max
57▼	AM26S12AFM#1	21		MON	2.0%	.80*	0.0	5.0	350m%	-55	125	K2142	FP79b	Schottky Quad Bus Transceiver;tpd 26ns max
58▼	AM26S12APC#1	21		MON	2.0%	.80*	0.0	5.0	350m%	0	75	K2142	M357	Schottky Quad Bus Transceiver;tpd 26ns max
59▼	AM26S12DC#1	21		MON	2 0%	.80*	0.0	5.0	350m%	0	75	K2142	M356	Schottky Quad Bus Transceiver;tpd 26ns max
60▼	AM26S12DM#1	21		MON	2 0%	.80*	0.0	5.0	350m%	-55	125	K2142	M224c	Schottky Quad Bus Transceiver;tpd 26ns max
61▼	AM26S12FM#1	21		MON	2.0%	.80*	0.0	5.0	350m%	-55	125	K2142	FP79b	Schottky Quad Bus Transceiver;tpd 26ns max
62▼	AM26S12PC#1	21		MON	2.0%	.80*	0.0	5.0	350m%	0	75	K2142	M357	Schottky Quad Bus Transceiver;tpd 26ns max
63♦	DM7830J	21		MON	2.0%	.80*	0.0	5.0	180m§	-55	125	K2143	M297d	Dual Diff Line Driver;tpd 18ns max.
64♦	DM7830W	21		MON	2.0%	.80*	0.0	5.0	180m§	-55	125	K2143	FP106	Dual Diff Line Driver;tpd 18ns max.
65	DM7831J	21		MON	2.0%	.80*	0.0	5.0	450m§	-55	125	K2137	M200k	Line Driver;tpd 27ns max;Vi 5.5V.
66	DM7831W	21		MON	2.0%	.80*	0.0	5.0	450m§	-55	125	K2137	FP98	Line Driver;tpd 27ns max;Vi 5.5V.
67	DM7832J	21		MON	2.0%	.80*	0.0	5.0	450m§	-55	125	K2137	M200k	Line Driver;tpd 27ns max;Vi 5.5V.
68	DM7832W	21		MON	2.0%	.80*	0.0	5.0	450m§	-55	125	K2137	FP98	Line Driver;tpd 27ns max;Vi 5.5V.
69	DM7838F#1	21		MON	2.0%	.80*	0.0	5 0	600m	-55	125	K2138	FP88	Quad Unified Bus Transceiver;tpd 30ns max.
70	DM7838J#1	21		MON	2.0%	.80*	0.0	5 0	600m	-55	125	K2138	M200k	Quad Unified Bus Transceiver;tpd 30ns max.
71♦	DM8830J	21		MON	2.0%	.80*	0.0	5.0	180m§	0	70	K2143	M105aw	Dual Diff Line Driver;tpd 18ns max.
72♦	DM8830N	21		MON	2.0%	.80*	0.0	5.0	180m§	0	70	K2143	M344a	Dual Diff Line Driver;tpd 18ns max.
73	DM8830W	21		MON	2.0%	.80*	0.0	5.0	180m§	0	70	K15161	FP97	Dual Diff Line Driver;tpd 18ns max.
74	DM8831J	21		MON	2.0%	.80*	0.0	5.0	450m§	0	70	K2137	M200k	Line Driver;tpd 27ns max;Vi 5.5V.
75	DM8831N	21		MON	2.0%	.80*	0.0	5.0	450m§	0	70	K2137	M345	Line Driver;tpd 27ns max;Vi 5.5V.
76	DM8831W	21		MON	2.0%	.80*	0.0	5.0	450m§	0	70	K2137	FP98	Line Driver;tpd 27ns max;Vi 5.5V.
77	DM8832J	21		MON	2.0%	80*	0.0	5 0	450m§	0	70	K2137	M200k	Line Driver;tpd 27ns max;Vi 5.5V.
78	DM8832N	21		MON	2.0%	.80*	0.0	5.0	450m§	0	70	K2137	M345	Line Driver;tpd 27ns max;Vi 5.5V.
79	DM8832W	21		MON	2.0%	.80*	0.0	5.0	450m§	0	70	K2137	FP98	Line Driver;tpd 27ns max;Vi 5.5V.
80	DM8838N#1	21		MON	2.0%	.80*	0.0	5.0	600m	0	70	K2138	M345	Quad Unified Bus Transceiver;tpd 30ns max.
81#	M54501Y	21		MON	2.0%	.80*	0.0	7.0	3.3 †	0	75	K2119	CN74	Dual Current Driver
82#	M54502P	21		MON	2.0%	.80*	0.0	7.0	800m†	0	75	K2111	M105j	Dual AND Gate with Drive Transistor.
83#	M54503P	21		MON	2.0%	.80*	0.0	7 0	800m†	0	75	K2120	M105j	Quadruple Current Driver
84#	M54504P	21		MON	2.0%	.80*	0.0	7.0	800m†	0	75	K2121	M105j	Dual NAND Gate with Drive Transistor.
85#	M54650P	21		MON	2.0%	.80*	12	12	422m%	0	75	G0414	M105j	Transition Time 2.0us max;tpd 60ns max.
86▼	MC3453L	21		MON	2.0%	.80*	5.0	5.0	1.0	0	70	K2141	M191	Quad;w/Common Inhibit Input.
87▼	MC3453P	21		MON	2.0%	.80*	5.0	5.0	1.0	0	70	K2141	M278	Quad;w/Common Inhibit Input.
88	MC75109L,P%	21		MON	2.0%	.80*	0.0	5 0	1.0	0	70	K2128	TO116	Dual Line Drivers;tpd 25ns max.
89	MC75110L,P%	21		MON	2.0%	.80*	0.0	5.0	1.0	0	70	K2128	TO116	Dual Line Drivers;tpd 25ns mx.
90▼	SN55113J	21		MON	2.0%	.80*	0.0	5.0	325m%	-55	125	K2146	M153d	Dual Differential w/3-State Outputs.
91▼	SN55113SB	21		MON	2.0%	.80*	0.0	5.0	325m%	-55	125	K2146	FP98a	Dual Differential w/3-State Outputs.
92▼	SN55114J	21		MON	2.0%	.80*	0.0	5.0	235m%	-55	125	K2147	M153d	Dual Differential;tpd 20ns max.
93▼	SN55114SB	21		MON	2.0%	.80*	0.0	5.0	235m%	-55	125	K2147	FP98a	Dual Differential;tpd 20ns max.
94▼	SN55121J	21		MON	2.0%	.80*	0.0	5.0	300m%	-55	125	K2148	M153d	Dual;tpd 50ns max.
95▼	SN55183J	21		MON	2.0%	.80*	0.0	5 0	50m%	-55	125	K2150	M157b	Dual Differential;tpd 18ns max.
96▼	SN75113J	21		MON	2.0%	.80*	0.0	5 0	325m%	0	70	K2146	M153d	Dual Differential w/3-State Outputs

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1▼	SN75113N	21		MON	2.0%	.80*	0.0	5.0	325m%	0	70	K2146	M117x	Dual Differential w/3-State Outputs.
2▼	SN75113SB	21		MON	2.0%	.80*	0.0	5.0	325m%	0	70	K2146	FP98a	Dual Differential w/3-State Outputs.
3▼	SN75114J	21		MON	2.0%	.80*	0.0	5.0	235m%	0	70	K2147	M153d	Dual Differential;tpd 30ns max.
4▼	SN75114N	21		MON	2.0%	.80*	0.0	5.0	235m%	0	70	K2147	M117x	Dual Differential;tpd 30ns max.
5▼	SN75114SB	21		MON	2.0%	.80*	0.0	5.0	235m%	0	70	K2147	FP98a	Dual Differential;tpd 30ns max
6▼	SN75121J	21		MON	2.0%	.80*	0.0	5.0	300m%	-55	125	K2148	M153d	Dual;tpd 50ns max.
7▼	SN75121N	21		MON	2.0%	.80*	0.0	5.0	300m%	-55	125	K2148	M117x	Dual;tpd 50ns max.
8▼	SN75123J	21		MON	2.0%	.80*	0.0	5.0	300m%	0	70	K2148	M153d	Dual;tpd 35ns max.
9▼	SN75123N	21		MON	2.0%	.80*	0.0	5.0	300m%	0	70	K2148	M117x	Dual;tpd 35ns max.
10♦	SN75150J	21		MON	2.0%	.80*	12	12	180m%	0	70	K2149	M157b	Dual;tpd 60ns typ.
11♦	SN75150N	21		MON	2.0%	.80*	12	12	180m%	0	70	K2149	M126e	Dual;tpd 60ns typ.
12♦	SN75150P	21		MON	2.0%	.80*	12	12	180m%	0	70	K2149	M226	Dual;tpd 60ns typ.
13▼	SN75183J	21		MON	2.0%	.80*	0.0	5.0	50m%	0	70	K2150	M157b	Dual Differential;tpd 18ns max
14▼	SN75183N	21		MON	2.0%	.80*	0.0	5.0	50m%	0	70	K2150	M126e	Dual Differential;tpd 18ns max.
15#	SP721BE	21			2.0%	.80*	5.0	5.0	260m	0	70	K0542	M54b	TTL to Balanced Line Driver.
16#	SP721BF	21			2.0%	.80*	5.0	5.0	260m	0	70	K0542	FP2	TTL to Balanced Line Driver.
17#	SP721BT	21			2.0%	.80*	5.0	5.0	260m	0	70	K0542	CN58a	TTL to Balanced Line Driver.
18	TG350F	21		MON	2.0%	.80*	0.0	5.0	92mt	-55	125	K219	TO86	Lamp/Line Driver;tpd 50ns max.
19	TG350J	21		MON	2.0%	.80*	0.0	5.0	92mt	-55	125	K219	M117c	Lamp/Line Driver;tpd 50ns max.
20	TG351F	21		MON	2.0%	80*	0.0	5.0	92mt	-55	125	K219	TO86	Lamp/Line Driver;tpd 50ns max.
21	TG351J	21		MON	2.0%	.80*	0.0	5.0	92mt	-55	125	K219	M117c	Lamp/Line Driver;tpd 50ns max.
22	TG352F	21		MON	2.0%	.80*	0.0	5.0	92mt	0	70	K219	TO86	Lamp/Line Driver;tpd 50ns max.
23	TG352J	21		MON	2.0%	.80*	0.0	5.0	92mt	0	70	K219	M117c	Lamp/Line Driver;tpd 50ns max.
24	TG353F	21		MON	2.0%	.80*	0.0	5.0	92mt	0	70	K219	TO86	Lamp/Line Driver;tpd 50ns max.
25	TG353J	21		MON	2.0%	.80*	0.0	5.0	92mt	0	70	K219	M117c	Lamp/Line Driver;tpd 50ns max.
26	N8T26B	21		MOS	2.0*	.85%	0.0	5.0	456mt	0	75	K2132	M317	Quad Bus Driver Receiver;tpd 17ns max.
27	N8T26F	21		MOS	2.0*	.85%	0.0	5.0	456mt	0	75	K2132	M200n	Quad Bus Driver Receiver;tpd 17ns max.
28	D4037	21	5.0M	PCB	2.0%	95*	0.0	5.0		0	75		CB☑	Eight Line Drivers.
29♦	9621DC	21		MON	2.0%	1.0*	0.0	5.0	154m%	0	75	K2118	M297d	Dual Line Driver;tpd 200ns max
30♦	9621DM	21		MON	2.0%	1.0*	0.0	5.0	154m%	-55	125	K2118	M297d	Dual Line Driver;tpd 150ns max.
31♦	9621FM	21		MON	2.0%	1.0*	0.0	5.0	154m%	-55	125	K2118	FP106	Dual Line Driver;tpd 150ns max.
32▼	9621PC	21		MON	2.0%	1.0*	0.0	5.0	154m%	0	75	K2118	M344a	Dual Line Driver;tpd 200ns max.
33	N8T09A	21		MON	2.4%	.40t*	0.0	5.0	340m	0	75	K2117	TO116	Quad Buss Driver;FO 25;tpd 10ns max.
34	N8T09F	21		MON	2.4%	.40t*	0.0	5.0	340m	0	75	K2117	M157	Quad Buss Driver;FO 25;tpD 10ns max.
35	N8T09Q	21		MON	2.4%	.40t*	0.0	5.0	340m	0	75	K2117	TO88	Quad Buss Driver;FO 25;tpD 10ns max.
36	S8T09A	21		MON	2.4%	.40t*	0.0	5.0	340m	-55	125	K2117	TO116	Quad Buss Driver;FO 25;tpd 10ns max.
37	S8T09F	21		MON	2.4%	.40t*	0.0	5.0	340m	-55	125	K2117	M157	Quad Buss Driver;FO 25;tpd 10ns max
38	S8T09Q	21		MON	2.4%	.40t*	0.0	5.0	340m	-55	125	K2117	TO88	Quad Buss Driver;FO 25;tpd 10ns max.
39▼	STX1003	21		3DM	2.4%	.40*	15	15	2.2 †	0	70		M378	Serial Transmitter;Up to 8BCB.
40	DM7830D	21	10M	MON	2.4%	.40*	0.0	5.0	100mΔ	-55	125	K15161	M75f	Line Driver.
41	MC419F	21		MON	2.4%	.45*†	0.0	5.0	54m	0	75	K213	TO86	Buss Driver;Vo 400mV;Io 250uA;Tpd 20ns
42	MC419L,P%	21		MON	2.4%	.45*†	0.0	5.0	54m	0	75	K213	TO116	Buss Driver;Vo 400mV;Io 250uA;Tpd 20ns.
43	MC469F	21		MON	2.4%	.45*†	0.0	5.0	54m	0	75	K213	TO86	Buss Driver;Vo 400mV;Io 250uA;Tpd 20ns.
44	MC469L,P%	21		MON	2.4%	.45*†	0.0	5.0	54m	0	75	K213	TO116	Buss Driver,Vo 400mV;Io 250uA;Tpd 20ns.
45	MC519F	21		MON	2.4%	.45*†	0.0	5.0	54m	-55	125	K213	TO86	Buss Driver,Vo 400mV;Io 250uA;Tpd 20ns.
46	MC519L	21		MON	2.4%	.45*†	0.0	5.0	54m	-55	125	K213	TO116	Buss Driver;Vo 400mV;Io 250uA;Tpd 20ns.
47	MC569F	21		MON	2.4%	.45*†	0.0	5.0	54m	-55	125	K213	TO86	Buss Driver;Vo 400mV;Io 250uA;Tpd 20ns.
48	MC569L	21		MON	2.4%	.45*†	0.0	5.0	54m	-55	125	K213	TO116	Buss Driver;Vo 400mV;Io 250uA,Tpd 20ns.
49	HD1S245	21		MON	2.5%	.45*†	0.0	5.0	3.0m%	-55	125	K212a	M75k	3 ckts;tpd 14ns.
50	HD1S545	21		MON	2.5%	.45*†	0.0	5.0	3.0m%	0	75	K212a	M75k	3 ckts;tpd 14ns.
51	HD9V245	21		MON	2.5%	.45*†	0.0	5.0	3.0m%	-55	125	K212a	TO86	3 Ckts;tpd 14ns.
52	HD9V545	21		MON	2.5%	.45*†	0.0	5.0	3.0m%	0	75	K212a	TO86	3 ckts;tpd 14ns.
53	MC10128L	21		MON	2.5%	.50*†	5.2	0.0		-30	85	K2131	M191	Bus Driver
54	54R140	21			2.7	.40	0.0	5.0	155m	-55	125			Tpd 8.0ns;FO 30;Fan In 4 Leads
55	N8T13B	21		MON	2.8%	†	0.0	5.0	315m	0	75	K2115	M256	Tpd 32ns max;ton and toff 20ns max.
56	N8T13E	21		MON	2.8%	†	0.0	5.0	315m	0	75	K2115	M153a	tpd 35ns max;ton and toff 20ns max.
57	N8T13R	21		MON	2.8%	†	0.0	5.0	315m	0	75	K2115	FP79a	Tpd 32ns max;ton and toff 20ns max.
58	RC8T13DD	21		MON	2.8%	†	0.0	5.0	315m	0	75	K2115	M200h	Dual,tpd 20ns max;Inp Latch Volt 5.5V min
59	RC8T13L	21		MON	2.8%	†	0.0	5.0	315m	0	75	K2115	FP47f	Dual;tpd 20ns max;Inp Latch Volt 5.5V min
60	RC8T13MP	21		MON	2.8%	†	0.0	5.0	315m	0	75	K2115	M267a	Dual;tpd 20ns max;Inp Latch Volt 5.5V min
61	RM8T13DD	21		MON	2.8%	†	0.0	5.0	315m	-55	125	K2115	M200h	Dual;tpd 20ns max;Inp Latch Volt 5.5V min
62	RM8T13L	21		MON	2.8%	†	0.0	5.0	315m	-55	125	K2115	FP47f	Dual;tpd 20ns max;Inp Latch Volt 5.5V min
63	RM8T13MP	21		MON	2.8%	†	0.0	5.0	315m	-55	125	K2115	M267a	Dual;tpd 20ns max;Inp Latch Volt 5.5V min
64	S8T13E	21		MON	2.8%	†	0.0	5.0	315m	-55	125	K2115	M146a	Tpd 32ns max;ton and toff 20ns max
65	S8T13R	21		MON	2.8%	†	0.0	5.0	315m	-55	125	K2115	FP79a	Tpd 32ns max;ton and toff 20ns max.
66▼	TNG5512F	21		MON	3.1	.45	0.0	5.0	60mt	0	75	K2152	FP21c	Dual;tpd 14ns typ.
67▼	TNG5512J	21		MON	3.1	45	0.0	5.0	60mt	0	75	K2152	TO116	Dual;tpd 14ns typ.
68▼	TNG5514F	21		MON	3.1	.45	0.0	5.0	60mt	0	75	K2152	FP21c	Dual;tpd 14ns typ.
69▼	TNG5514J	21		MON	3.1	.45	0.0	5.0	60mt	0	75	K2152	TO116	Dual;tpd 14ns typ.
70	N8T23B	21		MON	3.11%	†	0.0	5.0	315m	0	75	K2115	M256	Dual Line Driver.
71	N8T23E	21		MON	3.11%	†	0.0	5.0	315m	0	75	K2115	M153a	Dual Line Driver.
72	RC8T23MP	21		MON	3.11%	†	0.0	5.0	315m	0	75	K2115	M267a	Dual;tpd 50ns max,Inp Latch Volt 5.5V min
73▼	TNG5511F	21		MON	3.2	.45	0.0	5.0	60mt	-55	125	K2152	FP21c	Dual,tpd 14ns typ.
74▼	TNG5511J	21		MON	3.2	.45	0.0	5.0	60mt	-55	125	K2152	TO116	Dual;tpd 14ns typ.
75▼	TNG5513F	21		MON	3.2	.45	0.0	5.0	60mt	-55	125	K2152	FP21c	Dual;tpd 14ns typ.
76▼	TNG5513J	21		MON	3.2	.45	0.0	5.0	60mt	-55	125	K2152	TO116	Dual;tpd 14ns typ.
77	TRWG160#1	21		MON	3.3	.26	0.0	5.0	55m	-55	125		M157	Buss Driver.
78	TRWG160#2	21		MON	3.3	.26	0.0	5.0	55m	-55	125		M126	Buss Driver.
79	TRWG350#1	21		MON	3.3	.26	0.0	5.0	92m	-55	125		M157	Line Driver.
80	TRWG350#2	21		MON	3.3	.26	0.0	5.0	92m	-55	125		M126	Line Driver.
81	TRWG390#1	21		MON	3.3	.26	0.0	5.0		-55	125		M157	Dual 4 Input Line Driver.
82	TRWG390#2	21		MON	3.3	26	0.0	5.0		-55	125		M126	Dual 4 Input Line Driver.
83	RG160D	21		MON	3.4	.20	0.0	5.0	45m	-55	125	K15191	M105m	Buss Drivers,BVo 8.0V,Io 100uA;ton 20ns.
84	RG160K	21		MON	3.4	.20	0.0	5.0	45m	-55	125	K15191	FP21b	Buss Drivers;BVo 8.0;Io 100uA;ton 20ns.
85	RG161D	21		MON	3.4	.20	0.0	5.0	45m	-55	125	K15191	M105m	Buss Drivers;BVo 8.0,Io 100uA;ton 20ns.
86	RG161K	21		MON	3.4	.20	0.0	5.0	45m	-55	125	K15191	FP21b	Buss Drivers,BVo 8.0;Io 100uA;ton 20ns.
87	RG162D	21		MON	3.4	.20	0.0	5.0	45m	0	75	K15191	M105m	Buss Drivers;BVo 7.0V;Io 100uA;ton 20ns.
88	RG162K	21		MON	3.4	.20	0.0	5.0	45m	0	75	K15191	FP21b	Buss Drivers;BVo 7.0V;Io 100uA;ton 20ns.
89	RG163D	21		MON	3.4	.20	0.0	5.0	45m	0	75	K15191	M105m	Buss Drivers;BVo 7.0V;Io 100uA;ton 20ns.
90	RG163K	21		MON	3.4	.20	0.0	5.0	45m	0	75	K15191	FP21b	Buss Drivers;BVo 7.0V;Io 100uA;ton 20ns.
91	S1757#1	21	160kΔ	MOS	4.0%	.50*	12	5.0		0	70	K2116	M268	Univ.Asynchronous Receiver/Transmitter
92	I775	21		PCB	5.0	0.0	0.0	5.0	13	0	70		CB☑	High Power Drivers.
93	I414	21	5.0M	PCB	5.0	0.0	4.8	5.2	720m	0	70		CB☑	Differential Line Drivers.
94	CM1152	21		MON	5.0%	-8.0t*	9.0	9.0	423m	0	70	G043as	TO116	Tr 240ns;tf 190ns;td 55ns.
95	AY5-1012	21	480kt		5.3*	12%	0.0	5.0		0	70	K15385	M193	Asynchronous Receiver/Transmitter.
96	MC2065F	21		MON	5.5%	.75*†	0.0	5.0	105mt	0	75	K219	TO86	Quad 2-Input Lamp/Line Driver.
97	MC2065L,P%	21		MON	5.5%	.75*†	0.0	5.0	105mt	0	75	K219	TO116	Quad 2-Input Lamp/Line Driver.
98	MC2165F	21		MON	5.5%	.75*†	0.0	5.0	105mt	-55	125	K219	TO86	Quad 2-Input Lamp/Line Driver.
99	MC2165L	21		MON	5.5%	.75*†	0.0	5.0	105mt	-55	125	K219	TO116	Quad 2-Input Lamp/Line Driver.
100	MC1488L	21		MON	6.0%	-.70t	9.0	9.0	1.0	0	75	K217	TO116	Quad MDTL Line Driver.
101	N8T15A	21			6.0	-6.0t	12	12	580m	0	75	K2114	M105ak	Tr 4.0us max;Tf 4.0us max,Inp V. 5.5V.
102	N8T15F	21		MON	6.0	-6.0t	12	12	275m	0	75	K2114	M157	tr and tf 4.0us max,Vi 5.5V
103♦	HD1A1488	21		MON	6.0%	-7.0*†	9.0	9.0	333m§	0	75	K217	TO116	Quad Line Driver;tpd 300ns max.
104	LM1488J	21		MON	7.0	-6.8†	9.0	9.0	333m§	0	75	K2136	M257c	Quad,tpd 300ns max;tr 75ns;tf 40ns.
105	RC1488D	21		MON	7.0	-7.0t	9.0	9.0	333m	0	75	K217	M312	Quad;tpd 200ns max;tr 100ns max.
106	SG1488J	21		MON	7.0t	-7.0	9.0	9.0	333mt	0	70	K217	M105ap	Tpd 200nS max;Quad Line Driver
107	LM55109J	21		MON	-1.0	0.0	5.0	5.0	600m	-55	125	K2128	M257c	Dual Line Driver,tpd 25ns max.
108	LM55110J	21		MON	-1.0	0.0	5.0	5.0	600m	-55	125	K2128	M257c	Dual Line Driver;tpd 25ns max.
109	LM75109J	21		MON	-1.0	0.0	5.0	5.0	600m	0	70	K2128	M257c	Dual Line Driver;tpd 25ns max
110	LM75109N	21		MON	-1.0	0.0	5.0	5.0	600m	0	70	K2128	M344	Dual Line Driver;tpd 25ns max.

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	[5] TYPE No.	[1] USE	[4] MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL [2] '1' (V)	LOGIC LEVEL [3] '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	LM75110J	21		MON	-1.0	0.0	5.0	5.0	600m	0	70	K2128	M257c	Dual Line Driver;tpd 25ns max.
2	LM75110N	21		MON	-1.0	0.0	5.0	5.0	600m	0	70	K2128	M344	Dual Line Driver;tpd 25ns max.
3	MC2257L	21	640kΔ	MOS	-1.5%	-4.1*	12	0.0	500m	0	75	K2130	M292	Terminal Transmitter.
4▼	MC2260L	21	640kΔ	MOS	-1.5%	-4.1*	12	5.0		0	75	K2140	M316a	Terminal Transmitter (P-Channel).
5	CM1150	21	5.0M%	MON	-5.0%	7.0†*	12	12	800m	0	70	G043ar	TO116	Tr 70ns;tf 25ns;td 20ns.
6#	SP423	21			-7.0%	-.79*	7.0	0.0		0	75	G02129b	M257a	Tpd 3.5ns max;Trans. time 3.5ns max.
7	CM4041AD	21		MOS	10	0.0†	0.0	10	200m	-55	125	K203	M105av	Quad True/Complement Buffer;tpd 75ns max.
8	CM4041AE	21		MOS	10	0.0†	0.0	10	200m	-40	85	K203	M105av	Quad True/Complement Buffer;tpd 100ns max.
9	HEPC0900P-RT	21		MON	12.5%	1.5*†	0.0	15	180m†	-30	75	K2122	TO116	FO 30;DTL;tpd 140ns typ.
10	MC696L	21		MON	13%	1.5†*	0.0	15	225m	-30	75	K2134	M191	Dual Interface Element/Receiver.
11	MC696P	21		MON	13%	1.5†*	0.0	15	225m	-30	75	K2134	M278	Dual Interface Element/Receiver.
12	CH1040	22	100k	MOH			12	12	300m	-20	70		MØ	Teletype Line Receiver.
13	LM55108AJ	22		MON		.40†*	5.0	5.0	600m	-55	125	K2211	M257c	Dual;tpd 25ns max;Vi ±5.0V.
14	LM75108AJ	22		MON		.40†*	5.0	5.0	600m	0	70	K2211	M257c	Dual;tpd 25ns max;Vi ±5.0V.
15	LM75108AN	22		MON		.40†*	5.0	5.0	600m	0	75	K2211	M344	Dual;tpd 25ns max;Vi ±5.0V.
16	LM75208J	22		MOS		40†*	5.0	5.0	600m	0	75	K2211	M257c	Dual;tpd 35ns max;Vi ±5.0V.
17	LM75208N	22		MOS		.40†*	5.0	5.0	600m	0	75	K2211	M344	Dual;tpd 35ns max;Vi ±5.0V.
18	SN55108AJ	22		MON		.40*†	5.5	5.5	670m	-55	125	K2211	TO116	Dual;tpd 25ns max.
19	SN75108AJ	22		MON		40*†	5.5	5.5	670m	0	70	K2211	TO116	Dual;tpd 25ns max.
20	SN75108AN	22		MON		.40*†	5.5	5.5	670m	0	70	K2211	TO116	Dual;tpd 25ns max.
21	SN75100L	22		MON	.10	-.10	10	10	680m†	0	70	K2210	TO100	tpd 40ns max.
22	MC1065P	22		MON	-.75%	-1.6*	5.2	0.0	300m†	0	75	K2216	M154	Triple Schmitt Trigger/Diff. Amp.
23	MC1066P	22		MON	-.75*	-1.6*	5.2	0.0	300m†	0	75	K2217	TO116	Triple Schmitt Trigger/Diff. Amp.
24	MC1266F	22		MON	-.75%	-1.6*	5.2	0.0	300m†	-55	125	K2217	TO86	Triple Schmitt Trigger/Diff. Amp.
25	MC1266L	22		MON	-.75%	-1.6*	5.2	0.0	300m†	-55	125	K2217	TO116	Triple Schmitt Trigger/Diff. Amp.
26	MC1020P	22	80M	MON	-.75%	-1.6*	5.2	0.0	115m†	0	75	K15125	TO116	Quad;tpd 4.0ns;Fan Out 25.
27	MC1220F	22	80M	MON	-.75%	-1.6*	5.2	0.0	115m†	-55	125	K15125	TO86	Quad;tpd 4.0ns;Fan Out 25.
28	MC1220L	22	80M	MON	-.75%	-1.6*	5.2	0.0	115m†	-55	125	K15125	TO116	Quad;tpd 4.0ns;Fan Out 25.
29	10115B	22	200M	MON	-.85	-1.7	5.2	0.0	100m†	-30	85	K2223	M256	Quad Differential Line Receiver.
30	10115F	22	200M	MON	-.85	-1.7	5.2	0.0	100m†	-30	85	K2223	M153a	Quad Differential Line Receiver.
31	10116B	22	200M	MON	-.85	-1.7	5.2	0.0	75m†	-30	85	K2224	M256	Triple Differential OR/NOR Line Receiver.
32	10116F	22	200M	MON	-.85	-1.7	5.2	0.0	75m†	-30	85	K2224	M153a	Triple Differential OR/NOR Line Receiver
33#	GXB10115	22		MON	-.88	-1.7†	5.2	0.0	95m†	0	75	K2213	M200n	ECL,Quad;tpd 2.0ns typ;tr and tf 2.0ns typ
34▼	MC10514F	22		MON	-.93%	-1.6*†	5.2	0.0	145m†	-55	125	K2224	FP85	Triple Line Receiver;(High Common Mode).
35	MC10514L	22		MON	-.93%	-1.6*†	5.2	0.0	145m†	-55	125	K2224	M191	Triple Line Receiver(High Common Mode).
36	MC10515F	22		MON	-.93%	-1.6*†	5.2	0.0	110m†	-55	125	K2213	FP85	Quad Line Receiver.
37	MC10515L	22		MON	-.93%	-1.6*†	5.2	0.0	110m†	-55	125	K2213	M191	Quad Line Receiver.
38	MC10516F	22		MON	-.93%	-1.6*†	5.2	0.0	85m†	-55	125	K2218	FP85	Triple Line Receiver.
39	MC10516L	22		MON	-.93%	-1.6*†	5.2	0.0	85m†	-55	125	K2218	M191	Triple Line Receiver.
40▼	MC10616F	22		MON	-.93%	-1.6*†	5.2	0.0	100m†	-55	125	K2218	FP85	High Speed Triple;tpd 1.8ns†.
41▼	MC10616L	22		MON	-.93%	-1.6*†	5.2	0.0	100m†	-55	125	K2218	M191	High Speed Triple;tpd 1.8ns†
42	MC1692S	22		MON	-.95%	-1.6*†	5.2	0.0	220m†	0	75	K227	FP78	4 ckt; tpd 1.1ns; FO70.
43	MC1692L	22		MON	-.96%	-1.6*	5.2	0.0	220m†	0	75	K227	M191	4 Ckt;tpd 1.1ns;FO 7
44	MC10114L	22		MON	-.96%	-1.6*†	5.2	0.0	146m†	-30	85	K2224	M191	Triple Line Receiver.
45	MC10114P	22		MON	-.96%	-1.6*†	5.2	0.0	145m†	-30	85	K2224	M278	Triple Line Receiver.
46	MC10115L	22		MON	-.96%	-1.6*†	5.2	0.0	110m†	-30	85	K2213	M191	Quad;tpd 2.0ns typ.
47	MC10115P	22		MON	-.96%	-1.6*†	5.2	0.0	110m†	-30	85	K2213	M278	Quad;tpd 2.0ns typ.
48	MC10116L	22		MON	-.96%	-1.6*†	5.2	0.0	80m†	-30	85	K2218	M191	Triple;tpd 2.0ns typ.
49	MC10116P	22		MON	-.96%	-1.6*†	5.2	0.0	80m†	-30	85	K2218	M278	Triple;tpd 2.0ns typ.
50	MC10129L	22		MON	-.96%	-1.6*†	5.2	0.0		-30	85	K2230	M191	Bus Receiver.
51♦	MC10216L	22		MON	-.96%	-1.6*†	5.2	0.0	100m†	-30	85	K2218	M191	Triple Line Receiver;tpd 1.8ns typ.
52▼	MC10216P	22		MON	-.96%	-1.6*†	5.2	0.0	100m†	-30	85	K2218	M278	Triple Line Receiver;tpd 1.8ns typ
53	CM1162	22	2.5m%	MON	1.0%	1.0*	0.0	5.0	125m	0	70	K226	TO116	Tr 60ns;tf 20ns;td 55ns.
54	HD1A1489	22		MON	1.0%	1.25*	0.0	5.0	130m§	0	75	K223	TO116	Quad;tpd 60ns,tr 90ns,tf 8.0ns typ.
55	LM1489J	22		MON	1.0%	1.25*	0.0	5.0	130m	0	75	K223	M294a	tpd 85ns max;Vi ±30V;tr 110ns;tf 9.0ns.
56▼	MC1489B	22		MON	1.0%	1.25*	0.0	5.0	130m	0	75	K223	M344a	Quad;Io 30mA max;tpd 175ns max.
57	MC1489L	22		MON	1.0%	1.25*	0.0	5.0	130m	0	75	K223	TO116	Quad Line Receiver.
58	CM1160	22	3.0M%	MON	1.5%	1.5*	12	5.0	270m	0	70	K225	TO116	Tr 50ns;tf 50ns; td 200ns.
59	HD1A1489A	22		MON	1.75%	1.25*	0.0	5.0	130m§	0	75	K223	TO116	Quad,tpd 85ns,tr 175ns,tf 20ns max
60	LM1489AJ	22		MON	1.75%	1.25*	0.0	5.0	130m	0	75	K223	M294a	tpd 85ns max;Vi ±30V,tr 110ns,tf 9.0ns.
61▼	MC1489AB	22		MON	1.75%	1.25*	0.0	5.0	130m	0	75	K223	M344a	Quad;Io 30mA max;tpd 175ns max.
62	MC1489AL	22		MON	1.75%	1.25*	0.0	5.0	130m	0	75	K223	TO116	Quad Line Receiver.
63▼	AM26S12DC#2	22		MON	1.8%	1.6*	0.0	5.0	350m%	0	75	K2142	M356	Schottky Quad Bus Transceiver;tpd 26ns max
64▼	AM26S12DM#2	22		MON	1.8%	1.6*	0.0	5.0	350m%	-55	125	K2142	M224c	Schottky Quad Bus Transceiver;tpd 26ns max
65▼	AM26S12FM#2	22		MON	1.8%	1.6*	0.0	5.0	350m%	-55	125	K2142	FP79b	Schottky Quad Bus Transceiver;tpd 26ns max
66▼	AM26S12PC#2	22		MON	1.8%	1.6*	0.0	5.0	350m%	0	75	K2142	M357	Schottky Quad Bus Transceiver;tpd 26ns max
67▼	5551	22		PCB	2.0%	.45*	0.0	5.0	600m§	0	70		CB62	Diff;Ri 5.0kΩ;Strobe Current 1.4mA max.
68▼	5551A	22		PCB	2.0%	45*	0.0	5.0	600m§	0	70		CB62	Diff,Ri 5.0kΩ,Strobe Current 1.4mA max.
69▼	5551B	22		PCB	2.0%	.45*	0.0	5.0	600m§	0	70		CB62	Diff;Ri 5.0kΩ;Strobe Current 1.4mA max.
70▼	5551C	22		PCB	2.0%	45*	0.0	5.0	600m§	0	70		CB62	Diff;Ri 5.0kΩ;Strobe Current 1.4mA max.
71	9627CDC	22		MON	2.0%	.80%	12	12	730m	0	75	K2234	M200j	Dual;tpd 250ns max.
72	9627DM	22		MON	2.0%	.80%	12	12	730m	-55	125	K2234	M200j	Dual;tpd 250ns max.
73	MC55107L	22		MON	2.0%	.80*	0.0	5.0	625m	-55	125	K2211	TO116	Dual;tpd 25ns max.
74	MC55108L	22		MON	2.0%	80*	0.0	5.0	625m	-55	125	K2211	TO116	Dual;tpd 25ns max.
75	MC75107L,P%	22		MON	2.0%	.80*	0.0	5.0	625m	0	70	K2211	TO116	Dual;tpd 25ns max.
76	MC75108L,P%	22		MON	2.0%	.80*	0.0	5.0	625m	0	70	K2211	TO116	Dual,tpd 25ns max.
77#	SFC5107AE	22		MON	2.0%	.80*	5.0	5.0		0	70	K2211	TO116	Dual Line Receiver.
78#	SFC5107AEM	22		MON	2.0%	.80*	5.0	5.0		-55	125	K2211	TO116	Dual Line Receiver.
79#	SFC5108AE	22		MON	2.0%	80*	5.0	5.0		0	70	K2211	TO116	Dual Line Receiver
80#	SFC5108AEM	22		MON	2.0%	.80*	5.0	5.0		-55	125	K2211	TO116	Dual Line Receiver.
81#	SFC5109E	22		MON	2.0%	.80*	5.0	5.0		0	70	K2212	TO116	Dual Line Driver.
82#	SFC5109EM	22		MON	2.0%	.80*	7.0	7.0		-55	125	K2212	TO116	Dual Line Driver.
83#	SFC5110E	22		MON	2.0%	.80*	7.0	7.0		0	70	K2212	TO116	Dual Line Driver.
84#	SFC5110EM	22		MON	2.0%	.80*	7.0	7.0		-55	125	K2212	TO116	Dual Line Driver
85	SN55107J	22		MON	2.0%	80*	5.0	5.0	248m	-55	125	K2211	M157b	Also use 21;tpd 25ns max.
86	SN55108J	22		MON	2.0%	80*	5.0	5.0	248m	-55	125	K2211	M157b	Also use 21;tpd 25ns max.
87	SN55109J	22		MON	2.0%	.80*	7.0	7.0	248m†	-55	125	K2212	M157b	Also use 21;tpd 25ns max.
88▼	SN55109W	22		MON	2.0%	.80*	7.0	7.0	248m†	-55	125	K2212	FP106	Also use 21;tpd 25ns max
89	SN55110J	22		MON	2.0%	80*	7.0	7.0	248m†	-55	125	K2212	M157b	Also use 21;tpd 25ns max.
90▼	SN55110W	22		MON	2.0%	.80*	7.0	7.0	248m†	-55	125	K2212	FP106	Also use 21;tpd 25ns max.
91▼	SN55122J	22		MON	2.0%	.80*	0.0	5.0	360m%	0	70	K2238	M153d	Dual;tpd 30ns max.
92	SN75107J	22		MON	2.0%	.80*	5.0	5.0	237m	0	70	K2211	M157b	Also use 21;Also in Plastic DIL Package
93	SN75107N	22		MON	2.0%	.80*	5.0	5.0	237m	0	70	K2211	M126e	Also use 21;Also in Plastic DIL Package.
94	SN75108J	22		MON	2.0%	.80*	5.0	5.0	237m	0	70	K2211	M157b	Also use 21,Also in Plastic DIL Package.
95	SN75108N	22		MON	2.0%	.80*	5.0	5.0	237m	0	70	K2211	M126e	Also use 21;Also in Plastic DIL Package.
96	SN75109J	22		MON	2.0%	80*	7.0	7.0	248m†	0	70	K2212	M157b	Also use 21;Also in Plastic DIL Package.
97	SN75109N	22		MON	2.0%	80*	7.0	7.0	248m†	0	70	K2212	M126e	Also use 21;Also in Plastic DIL Package.
98	SN75110J	22		MON	2.0%	.80*	7.0	7.0	248m†	0	70	K2212	M157b	Also use 21;Also in Plastic DIL Package.
99	SN75110N	22		MON	2.0%	.80*	7.0	7.0	248m†	0	70	K2212	M126e	Also use 21;Also in Plastic DIL Package.
100▼	SN75122J	22		MON	2.0%	.80*	0.0	5.0	360m%	0	70	K2238	M153d	Dual;tpd 30ns max.
101▼	SN75122N	22		MON	2.0%	80*	0.0	5.0	360m%	0	70	K2238	M117x	Dual;tpd 30ns max.
102▼	SN75124J	22		MON	2.0%	.80*	0.0	5.0	360m%	0	70	K2238	M153d	Triple,tpd 30ns max.
103▼	SN75124N	22		MON	2.0%	.80*	0.0	5.0	360m%	0	70	K2238	M117x	Triple;tpd 30ns max
104▼	SN75140P	22		MON	2.0%	80*	0.0	5.0	100m%	0	70	K2239	M226	Dual,tpd 35ns max.
105♦	SN75152J	22		MON	2.0%	.80*	12	12	85m%	0	70	K2240	M153d	Dual;tpd 60ns typ.
106♦	SN75152N	22		MON	2.0%	.80*	12	12	85m%	0	70	K2240	M117x	Dual;tpd 60ns typ.
107♦	9617DC	22		MON	2.0	.85	0.0	5.0	90m%	0	75	K2220	M105aw	Tpd 85ns max;tr 175ns max;tf 40ns max.
108	D4038	22	5.0M	PCB	2.0%	95*	0.0	5.0	250m	0	75		CBØ	Eight Line Receiver.
109▼	AM26S12ADC#2	22		MON	2.05%	1.4%	0.0	5.0	350m%	0	75	K2142	M356	Schottky Quad Bus Transceiver,tpd 26ns max
110▼	AM26S12ADM#2	22		MON	2.05%	1.4%	0.0	5.0	350m%	-55	125	K2142	M224c	Schottky Quad Bus Transceiver;tpd 26ns max

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPER-ATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1▼	AM26S12AFM#2	22		MON	2 05%	1.4%	0.0	5.0	350m%	-55	125	K2142	FP79b	Schottky Quad Bus Transceiver;tpd 26ns max
2▼	AM26S12APC#2	22		MON	2.05%	1.4%	0.0	5.0	350m%	0	75	K2142	M357	Schottky Quad Bus Transceiver;tpd 26ns max
3	DM7820AD	22			2.1%	.90*	0.0	5.0	600m	-55	125	K0533	M105aq	Dual;tpd 45ns max;Strobe I 1.4mA Max
4▼	DM7820AJ	22		MON	2 1%	.90*	0.0	5.0	600m	-55	125	K0533	M297d	Dual;tpd 45ns max;Strobe I-1.4mA max.
5▼	DM7820AW	22		MON	2.1%	.90*	0.0	5.0	600m	-55	125	K0533	FP106	Dual;tpd 45ns max;Strobe I-1.4mA max.
6▼	DM8820AJ	22		MON	2.1%	.90*	0.0	5.0	600m	0	75	K0533	M297d	Dual;tpd 45ns max;Strobe I-1.4mA max.
7♦	DM8820AN	22			2.1%	.90*	0.0	5.0	600m	0	70	K0533	M344a	Dual;tpd 45ns max;Strobe I-1.4mA max
8▼	SN55182J	22		MON	2.1%	.90*	0.0	5.0	47m%	-55	125	K2242	M157b	Dual Differential;tpd 45ns max.
9▼	SN75182J	22		MON	2.1%	.90*	0.0	5.0	47m%	0	70	K2242	M157b	Dual Differential;tpd 45ns max.
10▼	SN75182N	22		MON	2.1%	.90*	0.0	5.0	47m%	0	70	K2242	M126e	Dual Differential;tpd 45ns max.
11	DM7836F	22		MON	2.25	1 3	0.0	5 0	600m	-55	125	K2232	FP87	Hex Unified Bus Receiver;tpd 30ns max.
12	DM7836J	22		MON	2.25	1.3	0.0	5.0	600m	-55	125	K2232	M257c	Hex Unified Bus Receiver;tpd 30ns max.
13	DM7837F	22		MON	2.25	1 3	0.0	5.0	600m	-55	125	K2233	FP88	Hex Unified Bus Receiver;tpd 30ns max.
14	DM7837J	22		MON	2.25	1 3	0.0	5.0	600m	-55	125	K2233	M200k	Hex Unified Bus Receiver;tpd 30ns max.
15	DM7838F#2	22		MON	2.25	1.3	0.0	5.0	600m	-55	125	K2138	FP88	Quad Unified Bus Transceiver;tpd 30ns max.
16	DM7838J#2	22		MON	2 25	1 3	0 0	5 0	600m	-55	125	K2138	M200k	Quad Unified Bus Transceiver;tpd 30ns max.
17	DM8836N	22		MON	2.25	1.3	0.0	5.0	600m	0	70	K2232	M344	Hex Unified Bus Receiver;tpd 30ns max.
18	DM8837N	22		MON	2.25	1.3	0.0	5.0	600m	0	70	K2233	M345	Hex Unified Bus Receiver;tpd 30ns max.
19	DM8838N#2	22		MON	2.25	1.3	0.0	5.0	600m	0	70	K2138	M345	Quad Unified Bus Transceiver;tpd 30ns max.
20▼	MC75140P1	22		MON	2.4%	.04*†	0.0	5 0	830m§	0	70		M293a	Dual;tpd 35ns typ
21♦	9615DM	22		MON	2.4%	.40†*	0.0	5.0	250m%	-55	125	K2236	M224c	Dual Diff;Io 30mA max;tpd 50ns max.
22♦	9615FM	22		MON	2 4%	.40†*	0.0	5.0	250m%	-55	125	K2236	FP79b	Dual Diff;Io 30mA max;tpd 50ns max.
23▼	AM2615DC	22		MON	2.4	.40†*	0.0	5 0	250m%	0	75	K2236a	M224c	Dual Diff;Io 30mA max;tpd 75ns max.
24▼	AM2615PC	22		MON	2.4	.40†*	0.0	5.0	250m%	0	75	K2236a	M357	Dual Diff;Io 30mA max;tpd 75ns max.
25	LM55107AJ	22		MON	2.4%	.40†*	5.0	5.0	600m	-55	125	K2211	M257c	Dual;tpd 25ns max;Vi ±5.0V.
26	LM75107AJ	22		MON	2.4%	40†*	5.0	5.0	600m	0	70	K2211	M257c	Dual;tpd 25ns max;Vi ±5.0V.
27	LM75107AN	22		MON	2.4%	.40†*	5.0	5 0	600m	0	75	K2211	M344	Dual;tpd 25ns max;Vi ±5.0V.
28	LM75207J	22		MOS	2.4%	.40†*	5.0	5.0	600m	0	75	K2211	M257c	Dual,tpd 35ns max;Vi ±5.0V.
29	LM75207N	22		MOS	2.4%	.40†*	5.0	5.0	600m	0	75	K2211	M344	Dual;tpd 35ns max;Vi ±5.0V.
30▼	JANM38510/10401BCB	22		MON	2.4%	.40*†	5.5	5.5	495m%	-55	125	K2211	M314	Dual Line Receiver;tpd 40ns max.
31▼	JANM38510/10401CCB	22		MON	2.4%	.40*†	5.5	5.5	495m%	-55	125	K2211	M314	Dual Line Receiver;tpd 40ns max.
32▼	JANM38510/10402BCB	22		MON	2.4%	.40*†	5 5	5.5	495m%	-55	125	K2211	M314	Dual Line Receiver,tpd 40ns max.
33▼	JANM38510/10402CCB	22		MON	2.4%	40*†	5.5	5.5	495m%	-55	125	K2211	M314	Dual Line Receiver;tpd 40ns max.
34▼	MC3450L	22		MON	2.4%	.40*†	5.0	5.0	1.0m	0	70	K2235	M191	Quad;w/Common Tri-State Strobe Input.
35▼	MC3450P	22		MON	2.4%	.40*†	5.0	5.0	1.0m	0	70	K2235	M278	Quad;w/Common Tri-State Strobe Input.
36▼	MC3452L	22		MON	2.4%	.40*†	5.0	5 0	1.0m	0	70	K2235	M191	Quad;w/Common Tri-State Strobe Input.
37▼	MC3452P	22		MON	2.4%	.40*†	5.0	5.0	1.0m	0	70	K2235	M278	Quad;w/Common Tri-State Strobe Input.
38	SN55107AJ	22		MON	2.4%	.40*†	5.5	5.5	670m	-55	125	K2211	TO116	Dual;tpd 25ns max.
39▼	SN55107AW	22		MON	2.4%	.40†*	5.5	5.5	670m	-55	125	K2211	FP106	Dual;tpd 25ns max.
40▼	SN55108AW	22		MON	2.4%	.40†*	5.5	5.5	670m	-55	125	K2211	FP106	Dual;tpd 25ns max.
41▼	SN55115J	22		MON	2.4%	.40*†	0.0	5.0	160m%	-55	125	K2237	M153d	Dual Differential;tpd 50ns max.
42▼	SN55115SB	22		MON	2.4%	.40*†	0.0	5.0	160m%	-55	125	K2237	FP98a	Dual Differentail;tpd 50ns max.
43	SN75107AJ	22		MON	2.4%	.40*†	5.5	5.5	670m	0	70	K2211	TO116	Dual;tpd 25ns max.
44	SN75107AN	22		MON	2.4%	.40*†	5.5	5.5	670m	0	70	K2211	TO116	Dual;tpd 25ns max.
45▼	SN75115J	22		MON	2.4%	.40*†	0.0	5.0	160m%	0	70	K2237	M153d	Dual Differential;tpd 75ns max.
46▼	SN75115N	22		MON	2.4%	.40*†	0.0	5.0	160m%	0	70	K2237	M117x	Dual Differential;tpd 75ns max.
47▼	SN75115SB	22		MON	2.4%	.40*†	0.0	5.0	160m%	0	70	K2237	FP98a	Dual Differential;tpd 75ns max.
48▼	SRX1005	22		3DM	2.4%	.40*	15	15	2.0 †	0	70		M378	Serial;Up to 8BCD or Octal Digits.
49♦	9615DC	22		MON	2.4%	.45†*	0.0	5.0	250m%	0	75	K2236	M224c	Dual Diff;Io 30mA max;tpd 75ns max.
50▼	9615PC	22		MON	2.4%	.45†*	0.0	5.0	250m%	0	75	K2236	M357	Dual Diff;Io 30mA max;tpd 75ns max.
51▼	AM2615DM	22		MON	2.4	.45†*	0.0	5.0	250m%	-55	125	K2236a	M224c	Dual Diff;Io 30mA max;tpd 50ns max
52▼	AM2615FM	22		MON	2.4	.45†*	0.0	5 0	250m%	-55	125	K2236a	FP79b	Dual Diff;Io 30mA max;tpd 50ns max.
53	DM7820D	22		MON	2.5†%	.40*†	0.0	5.0	600m	-55	125	K0533	M75f	Line Receiver.
54	DM7820J	22		MON	2.5%	.40†*	15	5.0	600m	-55	125	K0533	M257c	Dual Line Receiver;Response time 40ns.
55	DM7820W	22		MON	2.5%	.40†*	15	5.0	600m	-55	125	K0533	FP97	Dual Line Receiver;Response time 40ns.
56	DM7822D	22		MON	2.5%	.40†*	0.0	5.0	600m	-55	125	K2231	M75f	Dual;Response time 125ns max,Vi ±30V.
57	DM7822J	22		MON	2.5%	.40†*	0.0	5.0	600m	-55	125	K2231	M257c	Dual;Response time 125ns max;Vi ±30V.
58	DM8820J	22		MON	2.5%	.40†*	0.0	5.0	600m	0	70	K0533	M257c	Dual Line Receiver;Response time 40ns.
59	DM8820N	22		MON	2.5†%	.40*†	0.0	5.0	600m	0	70	K0533	M126d	Dual line receiver; Response time 40ns.
60	DM8820W	22		MON	2.5%	.40†*	0.0	5.0	600m	0	70	K0533	FP97	Dual Line Receiver;Response time 40ns.
61	DM8822J	22		MON	2.5%	.40†*	0.0	5.0	600m	0	70	K2231	M257c	Dual;Response time 125ns max;Vi ±30V
62	DM8822N	22		MON	2.5%	.40†*	0.0	5.0	600m	0	70	K2231	M344	Dual;Response time 125ns max;Vi ±30V.
63	HD1S246	22		MON	2.5%	.45*†	5.0	5.0	63m§	-55	125	K2225a	M75k	Triple;tpd 30ns.
64	HD1S248	22		MON	2.5%	.45*†	5.0	5.0	69 §	-55	125	K2225b	M75k	Triple Party Line Rcvr;tpd 30ns.
65	HD1S249	22		MON	2.5%	.45*†	5.0	5.0	69m§	-55	125	K2225	M75k	Triple Line RCVR;tpd 30ns.
66	HD1S546	22		MON	2.5%	.45*†	5.0	5.0	69m§	0	75	K2225a	M75k	Triple;tpd 30ns.
67	HD1S548	22		MON	2.5%	.45*†	5.0	5.0	75m§	0	75	K2225b	M75k	Triple Party Line RCVR;tpd 30ns.
68	HD1S549	22		MON	2.5%	.45*†	5.0	5.0	75m§	0	75	K2225	M75k	Triple Line RCVR;tpd 30ns.
69	HD9V246	22		MON	2.5%	.45*†	5.0	5.0	63m§	-55	125	K2225a	TO86	Triple;tpd 30ns.
70	HD9V248	22		MON	2.5%	.45*†	5.0	5.0	69m§	-55	125	K2225b	TO86	Triple Party Line RCVR;tpd 30ns.
71	HD9V249	22		MON	2.5%	.45*†	5.0	5.0	69m§	-55	125	K2225	TO86	Triple Line RCVR;tpd 30ns.
72	HD9V546	22		MON	2.5%	.45*†	5 0	5.0	69m§	0	75	K2225a	TO86	Triple Line RCVR;tpd 30ns.
73	HD9V548	22		MON	2.5%	.45*†	5.0	5.0	75m§	0	75	K2225b	TO86	Triple Party Line RCVR;tpd 30ns.
74	HD9V549	22		MON	2.5%	.45*†	5.0	5.0	75m§	0	75	K2225	TO86	Triple Line RCVR;tpd 30ns.
75	N8T16A	22			2.6%	.40*†	5.0	5.0	150m	0	75	K2214	M105ak	Vth 1.1V;Tpd 150ns max;Inp V ±25V.
76	N8T16F	22		MON	2.6%	.40†*	0.0	5.0	150m	0	75	K2214	M157	Vth 1.1V;tpd 150ns max;Vi ±25V.
77	N8T24B	22		MON	2.6%	.40†*	0.0	5.0	380m	0	75	K2215	M256	Triple Line Receiver.
78	N8T24E	22		MON	2.6%	.40†*	0.0	5.0	380m	0	75	K2215	M153a	Triple Line Receiver.
79	SG1489AJ	22		MON	2.6%†	.45*	0.0	5.0	130m†	0	75	K223	M105ap	Tpd 85nS max;Quad Line Rec.
80	SG1489J	22		MON	2.6%	.45*	0.0	5.0	130m†	0	75	K223	M105ap	Tpd 85nS max;Quad Line Rec.
81▼	SN75189AJ	22		MON	2.6%	.45*	0.0	5.0	1.0	0	75	K223	M157b	Quad;tpd 175ns max.
82▼	SN75189AN	22		MON	2.6%	.45*	0.0	5.0	1.0	0	75	K223	M126e	Quad;tpd 175ns max.
83▼	SN75189J	22		MON	2.6%	.45*	0.0	5.0	1.0	0	75	K223	M157b	Quad;tpd 175ns max.
84▼	SN75189N	22		MON	2.6%	.45*	0.0	5.0	1.0	0	75	K223	M126e	Quad;tpd 175ns max.
85	N8T14B	22		MON	2.8%	.40*†	0.0	5.0	380m	0	75	K2215	M256	Tpd 30ns max;tf 50ns max;Fo 10.
86	N8T14E	22		MON	2.8%	.40†*	0.0	5.0	380m	0	75	K2215	M153a	tpd 30ns max;tf 50ns max;FO10.
87	N8T14R	22		MON	2.8%	.40*†	0.0	5.0	380m	0	75	K2215	FP79a	Tpd 30ns max;tf 50ns max;Fo 10.
88	RC8T14L	22		MON	2.8%	.40†*	0.0	5.0	380m	0	75	K2215	FP47f	Triple;tpd 30ns max;Inp Latch Volt 5.5Vmin
89	RC8T14MP	22		MON	2.8%	.40†*	0.0	5.0	380m	0	75	K2215	M267a	Triple;tpd 30ns max,Inp Latch Volt5.5V min
90	RM8T14L	22		MON	2.8%	.40†*	0.0	5.0	380m	-55	125	K2215	FP47f	Triple;tpd 30ns max;Inp Latch Volt 5.5Vmin
91	RM8T14MP	22		MON	2.8%	.40†*	0.0	5.0	380m	-55	125	K2215	M267a	Triple;tpd 30ns max;Inp.Latch Volt 5.5Vmin
92	S8T14E	22		MON	2.8%	.40†*	0.0	5.0	380m	-55	125	K2215	M153a	Tpd 30ns max;tf 50ns max;FO 10.
93	S8T14R	22		MON	2.8%	.40*†	0.0	5.0	380m	-55	125	K2215	FP79a	Tpd 30ns max;tf 50ns max;Fo 10.
94♦	9620DM	22		MON	3.0%	40†*	0.0	5.0	105m%	-55	125	K15144	M297d	Dual Diff;Io 30mA max;tpd 50ns max.
95♦	9620FM	22		MON	3.0%	.40†*	0.0	5.0	105m%	-55	125	K15144	FP106	Dual Diff;Io 30mA max;tpd 50ns max.
96♦	9620DC	22		MON	3.0%	.45†*	0.0	5.0	110m%	0	75	K15144	M297d	Dual Diff;Io 30mA max;tpd 75ns max.
97▼	9620PC	22		MON	3.0%	.45†*	0.0	5.0	110m%	0	75	K15144	M344a	Dual Diff;Io 30mA max;tpd 75ns max.
98#	M54654P	22		MON	3.0%	-3.0*	0.0	5.0	720m%	0	75	F0229	M153b	Transition Time 9.0ns max;tpd 22ns max.
99♦	SN75154J	22		MON	3.0%	-3.0*	0 0	5.0	100m%	0	70	K2241	M153d	Quad;tpd 22ns typ.
100♦	SN75154N	22		MON	3.0%	-3.0*	0.0	5.0	100m%	0	70	K2241	M117x	Quad;tpd 22ns typ.
101	9615FC	22		MON	3.3	.25†	0.0	5.0	250m%	0	75		FP47b	Dual Diff;Ton 75ns max;toff 75ns max.
102	9620FC	22		MON	3 3	.25†	0.0	12	110m†	0	75	K15144	FP28c	Dual Differential;tpd 75ns max.
103	9622DC	22		MON	3.3	.25†	10	5.0	125m%	0	75	K15185	M157	Dual;tpd 50ns max.
104	9622DM	22		MON	3.3	.25†	10	5.0	125m%	-55	125	K15185	M157	Dual;tpd 50ns max.
105	9622FC	22		MON	3.3	.25†	10	5.0	125m%	0	75	K15185	FP28c	Dual;tpd 100ns max.
106	9622FM	22		MON	3 3	.25†	10	5.0	125m%	-55	125	K15185	FP28c	Dual;tpd 50ns max.

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	[5] TYPE No.	[1] USE	[4] MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL [2] '1' (V)	LOGIC LEVEL [3] '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	RC9622D	22		MON	3.3	.25†	10	5.0	225m	0	75	K2228	M312	Dual,tpd 100ns max;Vth 2.0V max.
2	RC9622DP	22		MON	3.3	.25†	10	5.0	225m	0	75	K2228	M313	Dual;tpd 100ns max;Vth 2.0V max.
3	RC9622J	22		MON	3 3	.25†	10	5.0	225m	0	75	K2228	FP28f	Dual;tpd 100ns max;Vth 2.0V max.
4	RM9622D	22		MON	3.3	.25†	10	5.0	225m	-55	125	K2228	M312	Dual;tpd 50ns max;Vth 2.0V max.
5	RM9622DP	22		MON	3 3	.25†	10	5.0	225m	-55	125	K2228	M313	Dual;tpd 50ns max;Vth 2.0V max
6	RM9622J	22		MON	3.3	.25†	10	5.0	225m	-55	125	K2228	FP28f	Dual;tpd 50ns max;Vth 2.0V max.
7	RC8T24MP	22		MON	3 4	.20†	0.0	5.0	380m	0	75	K2215	M267a	Triple;tpd 30ns max;Inp Latch Volt 5.5Vmin
8	RC1489AD	22		MON	4.0	.20†	0.0	5.0	130m	0	75	K223	M312	Quad;tpd 85ns max;tr 175ns max.
9	RC1489D	22		MON	4.0	.20†	0.0	5.0	130m	0	75	K223	M312	Quad;tpd 85ns max;tr 175ns max
10	S1757#2	22	160kΔ	MOS	4.0%	.50*	12	5 0		0	70	K2116	M268	Univ.Asynchronous Receiver/Transmitter.
11	I415	22	5.0M	PCB	5.0	0.0	4 8	5.2	205m	0	70		CB☑	Differential Line Receivers.
12	MC2259L	22	640kΔ	MOS	-1.5%	-4.1*	12	0.0	500m	0	75	K2229	M316	Terminal Receiver.
13#	SP420	22			-7.0%	-.79*	7 0	0.0		0	75	K15112a	M257a	Tpd 7 0ns max;Trans.time 6.0ns max;Fo 3.
14	NC0009	23	2 0M	MOH			20	0.0	1 8	-55	125	K233	CN48f	Dual phase MTOS;Ton 20ns; Toff 40ns.
15	NC0009C	23	2.0M	MOH			20	0.0	1.8	0	70	K233	CN48f	Dual phase MTOS,Ton 20ns, Toff 40ns.
16	MHP401	23	5.0MΔ	MON			0.0	5.0	2.0	0	70	K2314	TO116	TTL to MOS Clock Driver.
17	SNR517	23		MON	.30*	2 0%	0.0	8.0	33m	-55	125	K1581	FP22	1 ckt for up to 20 ser 51 BFF
18	SN517B	23		MON	.50*	2.5%	0.0	6 0	33m	-55	125	K1581	FP22	20 Ser for Aerospace comp.and control sys.
19	MC1023P	23		MON	-.75%	-1.6*	5 2	0.0	250m†	0	75	K235	TO116	Dual 4-Input OR/NOR;tpd 2.0nst.
20	MC1223F	23		MON	-.75%	-1.6*	5.2	0.0	250m†	-55	125	K235	TO86	Dual 4-Input OR/NOR;tpd 2.0nst.
21	MC1223L	23		MON	-.75%	-1.6*	5.2	0 0	250m†	-55	125	K235	TO116	Dual 4-Input OR/NOR;tpd 2.0nst.
22#	SP1023	23		MON	-.75	-1 6†	5.2	0.0	250m†	0	75	K235	M257a	Dual 4 Input Or/Nor.
23#	SP1223	23		MON	-.75	-1.6†	5.2	0.0	250m†	-55	125	K235	M257a	Dual 4 Input Or/Nor.
24	MC1026P	23		MON	-.85%	-1.5*	5 2	0.0	140m†	0	75	K235a	TO116	Dual 3-4Input Transmission Line Driver.
25	MC1226F	23		MON	-.85%	-1 5*	5.2	0 0	140m†	-55	125	K235a	TO86	Dual 3-4Input Transmission Line Driver.
26	MC1226L	23		MON	-.85%	-1 5*	5.2	0.0	140m†	-55	125	K235a	TO116	Dual 3-4 Input Transmission Line Driver
27♦	MH0026CG	23		MOS	1.5	.60	20	20	1.5	0	85	K2315a	CN48t	Vi 5.5V;tpd 15ns max;tr 12ns,tf 10ns.
28	MH0026CH	23		MOS	1.5	60	20	20	600m	0	85	K2315	CN13	Vi 5.5V;tpd 15ns max;tr 12ns;tf 10ns.
29	MH0026CN	23		MOS	1.5	60	20	20	1 5	0	85	K2315	M239a	Vi 5.5V;tpd 15ns max;tr 12ns;tf 10ns.
30♦	MH0026G	23		MOS	1.5	60	20	20	1.5	-55	125	K2315a	CN48t	Vi 5.5V;tpd 15ns max;tr 12ns;tf 10ns.
31	MH0026H	23		MOS	1 5	.60	20	20	600m	-55	125	K2315	CN13	Vi 5 5V;tpd 15ns max;tr 12ns;tf 10ns.
32	IM5003CDD	23		MOS	1.5	18 5†	0.0	20	1.0	0	75	K257	M247	Quad driver,tr 55ns max;tf 90ns max.
33	IM5003CPD	23		MOS	1.5	18 5†	0.0	20	800m	0	75	K257	M223b	Quad driver;tr 55ns max;tf 90ns max.
34	IM5003CTC	23		MOS	1 5	18.5†	0 0	20	1.5	0	75	K257a	CN48j	Quad driver;tr 55ns max;tf 90ns max.
35	IM5003MDD	23		MOS	1.5	18 5†	0 0	20	1 0	-55	125	K257	M247	Quad driver,tr 55ns max;tf 90ns max.
36	IM5003MTC	23		MOS	1 5	18.5†	0.0	20	1.5	-55	125	K257a	CN48j	Quad driver;tr 55ns max;tf 90ns max.
37	IM5013CDD	23		MOS	1.5	18.5†	0.0	20	1.0	0	75	K257b	M247a	Tpd 7.0ns;tr 17ns;tf 20ns.
38	IM5013CTC	23		MOS	1.5	18.5†	0 0	20	1.5	0	75	K257c	CN48j	Dual driver;tr 40ns max;tf 55ns max.
39	IM5013MDD	23		MOS	1.5	18.5†	0 0	20	1.0	-55	125	K257b	M247a	Tpd 7.0ns;tr 17ns;tf 20ns.
40	IM5013MTC	23		MOS	1 5	18.5†	0.0	20	1 5	-55	125	K257c	CN48j	Dual driver;tr 40ns max;tf 55ns max.
41	ICH7201CDD	23	3.0M	MOS	1.7	.90	0.0	5 0	1 0	0	70	K2311	TO116	2 Phase;Ton 40ns;Toff 40ns;Tpd 40ns
42	ICH7201CGC	23	3.0M	MOS	1.7	.90	0.0	5 0	1.5	0	70	K2311a	CN48q	2 Phase;Ton 40ns;Toff 40ns;Tpd 40ns.
43	ICH7201MDD	23	3.0M	MOS	1.8	.90	0 0	5 0	1.0	-55	125	K2311	TO116	2 Phase;Ton 40ns;Toff 40ns;Tpd 40ns.
44	ICH7201MGC	23	3.0M	MOS	1.8	.90	0.0	5.0	1.5	-55	125	K2311a	CN48q	2 Phase;Ton 40ns;Toff 40ns;Tpd 40ns
45♦	SN54120J	23		MON	2.0%	.80*	0.0	5.0	255m%	-55	125	K2312	M153d	Dual Pulse SYNC/Driver.
46♦	SN54120W	23		MON	2.0%	.80*	0.0	5.0	255m%	-55	125	K2312	Δ004AG	Dual Pulse Sync/Driver.
47♦	SN74120J	23		MON	2.0%	.80*	0.0	5.0	255m%	0	70	K2312	M153d	Dual Pulse SYNC/Driver.
48♦	SN74120N	23		MON	2.0%	.80*	0.0	5.0	255m%	0	70	K2312	M117x	Dual Pulse Sync/Driver.
49	SH0013HC	23		MOS	2.0*	-3 0%†	12	5.0	1.5	0	85	K2317	CN48s	2-Phase MOS Clock Drivers.
50	SH0013HM	23		MOS	2.0*	-3.0%†	12	5.0	1 5	-55	125	K2317	CN48s	2-Phase MOS Clock Drivers.
51	NH0009	23	2 0M	MOH	2 2%	.80*	3.0	5.0	1 0	-55	125	K15230	CN48a	Ton 10nsec;tr 40nsec;tf 120nsec.
52	NH0009C	23	2.0M	MOH	2.2%	.80*	3.0	5.0	1.0	0	70	K15230	CN48a	Ton 10nsec;tr 40nsec;tf 120nsec.
53	NC0007	23	5.0M	MOH	2.2%	.80*	25	5.0		-55	125	K232	CN43b	TTL to MTOS;VOH 2.0min;VOL4.0min;Ton75ns.
54	NC0007C	23	5.0M	MOH	2.2%	.80*	25	5.0		0	70	K232	CN43b	TTL to MTOS;VOH 2.0min;VOL4.0min;Ton75ns.
55	NH0007	23	5.0M	MOH	2.2%	.80*	0.0	5.0		-55	125	K0534	CN☑	TTL or DTL Voltage level;VOh-4.0V;Vol 2.0V
56	NH0007C	23	5.0M	MOH	2.2%	.80*	0.0	5.0		0	70	K0534	CN☑	TTL or DTL Voltage level;VOh-4 0V,Vol 2.0V
57	NH0012	23	10M	MOH	2.2%	.80*	17	1.5	1.0	-55	125	K231	CN48a	Ton 10nsec;tr 10nsec;tf 15nsec.
58	NH0012C	23	10M	MOH	2.2%	80*	17	1.5	1 0	0	70	K231	CN48a	Ton 10nsec;tr 10nsec;tf 15nsec.
59	836	23	4.0M	MOH	2.4%	.80*	15	5.0		-55	125	K2310	M196a	Clock Driver/Translator;tr and tf 50ns.
60	MMH0026CG	23	10M	MOS	2 5%	40*	0.0	20	680m	-55	125	K2316	TO99	Dual MOS Clock Driver.
61	MMH0026CL	23	10M	MOS	2.5%	.40*	0.0	20	1.0	-55	125	K2316	TO116	Dual MOS Clock Driver.
62	MMH0026CP1	23	10M	MOS	2.5%	.40*	0.0	20	830m	0	85	K2316	M293	Dual MOS Clock Driver.
63	MMH0026G	23	10M	MOS	2.5%	.40*	0.0	20	680m	-55	125	K2316	TO99	Dual MOS Clock Driver.
64	MMH0026L	23	10M	MOS	2.5%	40*	0.0	20	1.0	-55	125	K2316	TO116	Dual MOS Clock Driver
65	NC611	23	10M	MOH	2.8%	.70*	27	5.0	1.8	-55	125	K234	CN48f	Single phase; Ton 15ns, Toff 20ns.
66	MC1585L	23		MOS	3.7%	-13*†	0 0	5.0	1.0	-55	125	K2313	TO116	Dual 2Input;tr 75ns;tf 50ns.
67	CH1037	23		MOS	4 0%	11.7†*	12	5.0	650m	-25	75	K239	M☑	Tr 30ns;tf 30ns;td 8.0ns.
68	CH1031	23	5.0M	MOS	5.0	0.0	28	5.0	300m	-20	70		M158	ΔVo- 60V to -27V;Ton 20ns;toff 20ns.
69	NH0013	23	5.0M	MOH	-1.5	1.5†	20	30	15	-55	125	K15230a	CN48a	DTL,TTL Driven;VOH 1.5V;VOL-1.5V.
70	NH0013C	23	5 0M	MOH	-1.5	1.5†	20	30	15	0	70	K15230a	CN48a	DTL,TTL Driven;VOH 1.5V;VOL-1.5V.
71	CH1036	23		MOS	-11%	5 0†*	5 0	12	200m	-25	75	K238	M219	Tr 20ns; tf 20ns; td 20ns.
72	CH1034	23	3.0MΔ	MOS	-11%	12†*	12	12	120m	-25	75	K237	M219	Tr 25ns, tf 30ns; td 35ns.
73	CH1033	23	10MΔ	MOS	-26%	.30†*	28	5.0	750m	-25	75	K236	M169	Tr 18ns;tf 18ns;td 8.0ns.
74	AH2114CG	24	1.0M				15	15	1.3	0	85	K0229	CN48j	Resistance (on) 75Ω;Ton 1.2us max
75	AH2114G	24	1.0M				15	15	1.3	-55	125	K0229	CN48j	Resistance (on) 75Ω,Ton 1.5us max
76	D125MDD	24		MON		.19*%	20	0.0	750m	-55	125	K247	TO116	6 Channel, Ton 250ns max; Toff 920ns max.
77	D125IDD	24		MON		.40*%	20	0.0	500m	-20	85	K247	TO116	6 Channel; Ton 500ns max; Toff 1.5us max.
78	D125IFD	24		MON		.40*%	20	0.0	500m	-20	85	K247	TO86	6 Channel; Ton 500ns max, Toff 1.5us max.
79	D123MDD	24		MON		-19*%	20	0 0	750m	-55	125	K248	TO116	6 Channel; Ton 250ns max; Toff 920ns max.
80	D123MFD	24		MON		-19*%	20	0.0	750m	-55	125	K248	TO86	6 Channel; Ton 250ns max; Toff 800ns max
81	D125MFD	24		MON		-19*%	20	0.0	750m	-55	125	K247	TO86	6 Channel, Ton 250ns max; Toff 800ns max.
82	D125AL	24		MON	.50	4.6	20	0.0	750m	-55	125	K247	TO86	6 Channel FET;ton 500ns,toff 1.2us.
83	D125AP	24		MON	.50	4 6	20	0 0	750m	-55	125	K247	TO116	6 Channel FET;ton 500ns;toff 1.2us.
84	D125BK	24		MON	.50	4.6	20	0.0	500m	-20	85	K247	TO116	6 Channel FET;ton 500ns;toff 1.5us.
85	D125BL	24		MON	.50	4.6	20	0.0	750m	-20	85	K247	TO86	6 Channel FET;ton 500ns;toff 1.5us.
86	D130A	24	5 0M	MOS	1 4	.70	0.0	10	750m	-55	125	K15237	TO100	Dual FET Driver;Ton 150ns;Toff 150ns.
87	D130AA	24	5.0M	MOS	1.4	.70	0.0	10	750M	-55	125	K15237	TO100	Dual FET Driver;Ton 150ns;Toff 150ns.
88	D130AL	24	5.0M	MOS	1.4	.70	0.0	10	450M	-55	125	K15237	TO91	Dual FET Driver;Ton 150ns;Toff 150ns
89	D130BA	24	5.0M	MOS	1.4	.70	0.0	10	750M	-20	85	K15237	TO100	Dual FET Driver;Ton 150ns;Toff 150ns
90	D130BL	24	5.0M	MOS	1.4	.70	0.0	10	450M	-20	85	K15237	TO91	Dual FET Driver;Ton 150ns;Toff 150ns
91	CDR125AL	24	500k	MON	2 4	.50	20	5.5	500m	-55	125	K247	TO86	6 Channel FET Driver
92	CDR125AP	24	500k	MON	2.4	.50	20	5.5	500m	-55	125	K247	TO116	6 Channel FET Switch Driver;ton 500ns max.
93	CDR125BK	24	500k	MON	2.4	.50	20	5 5	500m	-20	85	K247	TO116	6 Channel FET Switch Driver;ton 500ns max.
94	CDR125BL	24	500k	MON	2 4	.50	20	5.5	500m	-20	85	K247	TO86	6 Channel FET Switch Driver;ton 500ns max.
95	D112F	24		MOS	4 5	1.0	0.0	10	375m	-55	125	K15116	TO84	6-Channel FET Driver;Ton 150ns;Toff 1.2us.
96	D129AL	24		MOS	5.0	0.0	30	5 0	750m	-55	125	K15192	TO86	4 Channel FET;tpd 800ns max;Is 3.0mA max.
97	D129AP	24		MOS	5.0	0.0	30	5 0	750m	-55	125	K15192	TO116	4 Channel FET;tpd 800ns max;Is 3.0mA max.
98	D129BK	24		MOS	5.0	0.0	20	5.0	500m	-20	85	K15192	TO116	4 Channel MOS FET;tpd 1.0us max.
99	D129BL	24		MOS	5.0	0.0	20	5.0	500m	-20	85	K15192	TO86	4 Channel MOS FET;tpd 1.0us max.
100	D112MDD	24		MON	9 9%	-19†%	20	10	750m	-55	125	K242	TO116	2 channel, Ton 250ns max; Toff 1.5us max.
101	D112MFD	24		MON	9.9%	-19†%	20	10	750m	-55	125	K242	TO86	2 channel; Ton 250ns max; Toff 1.5us max.
102	D113MDD	24		MON	9.9%	-19†%	20	10	750m	-55	125	K243	TO116	2 channel; Ton 250ns max; Toff 1.5us max.
103	D113MFD	24		MON	9.9%	-19†%	20	10	750m	-55	125	K243	TO86	2 channel; Ton 250ns max; Toff 1.5us max.
104	D120MDD	24		MON	9.9%	-19†%	20	10	750m	-55	125	K242	TO116	2 Channel; Ton 250ns max, Toff 600ns max.
105	D120MFD	24		MON	9.9%	-19†%	20	10	750m	-55	125	K242	TO86	2 Channel, Ton 250ns max; Toff 600ns max.
106	D121MDD	24		MON	9.9%	-19†%	20	10	750m	-55	125	K243	TO116	2 Channel; Ton 250ns max; Toff 600ns max.
107	D121MFD	24		MON	9.9%	-19†%	20	10	750m	-55	125	K243	TO86	2 Channel, Ton 250ns max; Toff 600ns max.
108	G116CDD	24		MOS	-2.0%		20	0.0	750m	0	70	K3813a	TO116	5 Channel;Rds(on)125Ω max;Id(off)-5.0nAmax
109	G116CFD	24		MOS	-2.0%		20	0.0	750m	0	70	K3813a	TO86	5 Channel;Rds(on)125Ω max;Id(off)-5.0nAmax
110	G116MFD	24		MOS	-2.0%		20	0.0	750m	-55	125	K3813a	TO86	5 Channel;Rds(on)100Ω max;Id(off)-2.5nA mx

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	G117CDD	24		MOS	-2.0%		20	0.0	750m	0	70	K3813	TO116	5 Channel;Rds(on)125Ω max,Id(off)-500nAmax
2	G117CFD	24		MOS	-2.0%		20	0.0	750m	0	70	K3813	TO86	5 Channel,Rds(on)125Ω max;Id(off)-500nAmax
3	G117MDD	24		MOS	-2.0%		20	0.0	750m	-55	125	K3813	TO116	5 Channel;Rds(on)100Ω max;Id(off)-.50nAmax
4	G117MFD	24		MOS	-2.0%		20	0.0	750m	-55	125	K3813	TO86	5 Channel;Rds(on)100Ω max;Id(off)-.50nAmax
5	G118CDD	24		MOS	-2.0%		20	0.0	750m	0	70	K3814	TO116	6 Channel;Rds(on)125Ω max;Id(off)-6.0nAmax
6	G118CFD	24		MOS	-2.0%		20	0.0	750m	0	70	K3814	TO86	6 Channel;Rds(on)125Ω max;Id(off)-6.0nAmax
7	G118MDD	24		MOS	-2.0%		20	0.0	750m	-55	125	K3814	TO116	6 Channel;Rds(on)100Ω max;Id(off)-3.0nAmax
8	G118MFD	24		MOS	-2.0%		20	0.0	750m	-55	125	K3814	TO86	6 Channel,Rds(on)100Ω max;Id(off)-3.0nAmax
9	G119CDD	24		MOS	-2.0%		20	0.0	750m	0	70	K3815	TO116	6 Channel;Rds(on)125Ω max;Id(off)-3.0nAmax
10	G119CFD	24		MOS	-2.0%		20	0.0	750m	0	70	K3815	TO86	6 Channel;Rds(on)125Ω max;Id(off)-3.0nAmax
11	G119MDD	24		MOS	-2.0%		20	0.0	750m	-55	125	K3815	TO116	6 Channel;Rds(on)100Ω max;Id(off)-1 5nAmax
12	G119MFD	24		MOS	-2.0%		20	0.0	750m	-55	125	K3815	TO86	6 Channel;Rds(on)100Ω max;Id(off)-1.5nAmax
13	D123AL	24		MON	10	40	20	0.0	750m	-55	125	K248	TO86	6 Channel FET;ton 500ns;toff 1.0us.
14	D123AP	24		MON	10	.40	20	0.0	750m	-55	125	K248	TO116	6 Channel FET;ton 500ns;toff 1.0us.
15	D123BL	24		MON	10	.40	20	0.0	750m	-20	85	K248	TO86	6 Channel FET;ton 500ns;toff 1.0us.
16	D123BP	24		MON	10	40	20	0.0	750m	-20	85	K248	TO116	6 Channel FET;ton 500ns,toff 1.0us.
17	G116MDD	24			-20%		20	0.0	750m	-55	125	K3813a	TO116	5 Channel,Rds(on)100Ω max;Id(off)-2.5nAmax
18	60088	25		TTL			12	12		-55	70	K2517	MØ	Current Driver;Input Signals 0-4V.
19	HX640	25					2 0	40		-55	125	K254	FPØ	Quad Memory Switch;ton 10ns max.
20	LMD1	25					0.0	32	50	-55	150	K2518	CN72	Hybrid Driver;Driver Volt 50Vdc;Io 10A.
21	SN55329W	25		MON			0.0	8.0	30mt	-55	110	K15422	FP84	8-Bit Memory Driver.
22	LMD5	25		DCM	0.0	5 0	0.0	65	2.5	-65	150	K259	CN72	Power Driver;Output current 5.0A.
23	MN204	25		MOH	.20*		0.0	6.0	400m	-55	125	K1038	FP62	Quad Power Driver;Vo 40V;Io 300mA.
24	NH0016CN	25		MOH	.85	1.9	0	5.0	455m	0	70	K251	M150	Current driver;VOH1.8V;VOL.45V;IO 8 0mA.
25	NH0018CN	25		MOH	85	1.9	0	5.0	455m	0	70	K251	M150	Current driver;VOH1 8V;VOL.45V;IO 8 0mA.
26	SH2200P	25		MOH	.85	1.9	0	5.0	455m	0	70	K251	M150	Current driver;VOH1.8V;VOL.45V;IO 8.0mA.
27	SH2001	25		MOH	1.1	1.9	0	5.5	800m	-55	125	K251	TO100	Current driver;VOH5.5V;VOL4.5V;IO 8.0mA.
28	SH2002	25		MOH	1.1	1.9	0	5.0	800m	0	70	K251	TO100	Current driver,VOH5.0V;VOL5.0V;IO 8.0mA.
29	SH2002P	25		MOH	1.1	1.9	0.0	5 0	800m	0	70	K251	M150	Current driver;Volt 5.0;Vol 4.5V;Io 8 0mA.
30	SH2200FM	25		MON	1.7	.90	0.0	5.0	575m	-55	125	K251	FP26h	High Voltage,High Current Driver.
31	SH2200HM	25		MON	1.7	.90	0.0	5.0	680m	-55	125	K251	TO100	High Voltage,High Current Driver.
32	9644DC	25		MON	1.7%	1 1*	0.0	5.0	150m	0	75	K1264	M200	Dual High Voltage,High Current Driver.
33	9644DM	25		MON	1.7%	1 1*	0.0	5.0	150m	-55	125	K1264	M200	Dual High Voltage,High Current Driver.
34	SH2200FC	25		MON	1 8	.85	0.0	5.0	575m	-55	125	K251	FP26h	High Voltage,High Current Driver
35	SH2200HC	25		MON	1.8	.85	0.0	5.0	680m	-55	125	K251	TO100	High Voltage,High Current Driver.
36	SH2200PC	25		MON	1.8	.85	0.0	5.0	455m	0	70	K251	M150	High Voltage,High Current Driver.
37	SH2001FC	25		MON	1.95%	.45*†	0.0	5.0	570m	0	70	K251	FP26h	High Voltage,High Current Driver.
38	SH2001HC	25		MON	1.95%	.45*†	0.0	5.0	680m	0	70	K251	TO100	High Voltage,High Current Driver.
39	SH2002FC	25		MON	1.95%	.45*†	0.0	5.0	800m	0	70	K251	FP26h	DTL;High Power Driver.
40	SH2002HC	25		MON	1.95%	.45*†	0.0	5.0	800m	0	70	K251	TO100	DTL;High Power Driver.
41	SH2002PC	25		MON	1.95%	.45*†	0.0	5.0	800m	0	70	K251	M150	DTL;High Power Driver.
42	SH2002FM	25		MON	2.0%	.40*†	0.0	5.0	800m	-55	125	K251	FP26h	DTL,High Power Driver.
43	SH2002HM	25		MON	2.0%	40*†	0.0	5.0	800m	-55	125	K251	TO100	DTL;High Power Driver.
44	SH2001FM	25		MON	2 0%	45*†	0 0	5 0	570m	-55	125	K251	FP26h	High Voltage,High Current Driver.
45	SH2001HM	25		MON	2.0%	.45*†	0.0	5.0	680m	-55	125	K251	TO100	High Voltage,High Current Driver.
46	BHB0007	25			2.0%	.80*	0.0	5.25		0	70	K258		Power Driver Module;Output Current 5.0A.
47	BHB0007A	25			2.0%	.80*	0.0	5.25		0	70	K258		Power Driver Module;Output Current 5.0A
48	BHB0008	25			2.0%	.80*	0.0	5.25		0	70	K258		Power Driver Module;Output Current 10A.
49	BHB0008A	25			2.0%	.80*	0 0	5.25		0	70	K258		Power Driver Module,Output Current 10A.
50♦	HD1A6600-2	25		MON	2.0%	.80*	0.0	5.0	1 0	-55	125	K2528	TO116	Quad Power Strobe;tpd 75ns max.
51♦	HD1A6600-5	25		MON	2.0%	.80*	0.0	5.0	1.0	0	75	K2528	TO116	Quad Power Strobe;tpd 75ns max.
52	IM5001MDD	25			2.0%	80*	0.0	5.0	375m%	-55	125	K256	M236	Quad Driver,IF 1.5mA;IR 100uA;tpd 25ns max
53	IM5011MDD	25			2.0%	.80*	0.0	5.0	375m%	-55	125	K256	M236	Quad Driver;IF 1.5mA;IR 100uA;tpd 25ns max
54	LM350N	25		MON	2.0%	.80*	0.0	5 0	800m	0	70	K2527	M344	Dual Peripheral Driver;tpd 22ns max.
55	LM55325J	25		MON	2 0%	80*	0 0	5.0	800m	-55	125	K2519	M200k	Memory Driver,tpd 50ns max,Vi 5.5V
56	LM75325J	25		MON	2.0%	.80*	0.0	5 0	800m	0	70	K2519	M200k	Memory Driver;tpd 50ns max;Vi 5.5V.
57	LM75325N	25		MON	2 0%	.80*	0.0	5.0	800m	0	70	K2519	M345	Memory Driver;tpd 50ns max,Vi 5.5V.
58	LM75450N	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2111	M344	Dual Peripheral Driver;tpd 22ns max
59	LM75451AN	25			2.0%	.80*	0.0	5.0	800m	0	70	K2521	M239a	Dual Peripheral Driver;tpd 20ns max.
60	LM75452N	25			2.0%	.80*	0.0	5 0	800m	0	70	K2522	M239a	Dual Peripheral Driver;tpd 25ns max.
61	LM75453N	25			2.0%	.80*	0 0	5.0	800m	0	70	K2523	M239a	Dual Peripheral Driver;tpd 20ns max.
62	LM75454N	25		MON	2.0%	80*	0.0	5.0	820m	0	70	K2522	M239b	Dual Peripheral Driver;tpd 25ns max.
63▼#	M54601P	25		MON	2.0%	.80*	0.0	5.0	500m	0	75	K2112	M226b	Dual Peripheral and Driver.
64▼#	M54602P	25		MON	2 0%	80*	0.0	5 0	500m	0	75	K2522	M226b	Dual Peripheral NAND Driver
65▼#	M54603P	25		MON	2.0%	80*	0.0	5 0	500m	0	75	K2523	M226b	Dual Peripheral OR Driver
66▼#	M54604P	25		MON	2.0%	.80*	0.0	5.0	500m	0	75	K2524	M226b	Dual Peripheral NOR Driver.
67	MC55325L	25		MON	2 0%	.80*	0.0	5.0	1.0	-55	125	K2519	M191	Dual Memory Driver.
68	MC75325L	25		MON	2.0%	.80*	0.0	5.0	1.0	0	70	K2519	M191	Dual Memory Driver
69	MC75325P	25		MON	2.0%	.80*	0.0	5.0	1.0	0	70	K2519	M278	Dual Memory Driver.
70	MC75452P	25		MON	2.0%	.80*	0.0	5.0	830m	0	70	K2522	M293	Dual Peripheral Pos. Nand Driver
71	MC75453P	25		MON	2.0%	.80*	0.0	5.0	830m	0	70	K2523	M293	Dual Peripheral Pos. Or Driver
72	MC75454P	25		MON	2.0%	.80*	0.0	5.0	830m	0	70	K2524	M293	Dual Peripheral Pos nor Driver
73#	SFC5450AE	25		MON	2.0%	.80*	0.0	5.0		0	70	K2111	TO116	Dual Peripheral Driver.
74#	SFC5451AD	25		MON	2.0%	.80*	0.0	5.0		0	70	K2112	M148	Dual Peripheral Driver.
75#	SFC5452D	25		MON	2.0%	.80*	0.0	5.0		0	70	K2522		Dual interface positive NAND Driver.
76♦	SN55325J	25		MON	2.0%	.80*	0.0	5.0	1.0	-55	125	K2519	M153d	Dual Memory Driver;tpd 50ns.
77▼	SN55325JB	25		MON	2.0%	.80*	0.0	5.0	1.0	-55	125	K2519	M359	Dual Memory Driver;tpd 50ns.
78▼	SN55325N	25		MON	2.0%	.80*	0.0	5 0	1.0	-55	125	K2519	M117x	Dual Memory Driver;tpd 50ns.
79▼	SN55325SB	25		MON	2.0%	80*	0.0	5 0	1.0	-55	125	K2519	FP98a	Dual Memory Driver;tpd 50ns.
80▼	SN55326J	25		MON	2.0%	.80*	0.0	7.0	1.0	-55	125	K15423	M153d	Memory Drivers.
81▼	SN55326JB	25		MON	2.0%	80*	0 0	7.0	1.0	-55	125	K15423	M359	Memory Drivers.
82▼	SN55326N	25		MON	2.0%	.80*	0.0	7.0	1.0	-55	125	K15423	M117x	Memory Drivers.
83▼	SN55326SB	25		MON	2.0%	.80*	0.0	7.0	1.0	-55	125	K15423	FP98a	Memory Drivers.
84▼	SN55327J	25		MON	2.0%	.80*	0.0	7.0	1.0	-55	125	K15424	M153d	Memory Drivers.
85▼	SN55327JB	25		MON	2.0%	.80*	0.0	7 0	1.0	-55	125	K15424	M359	Memory Drivers.
86▼	SN55327N	25		MON	2.0%	.80*	0.0	7.0	1.0	-55	125	K15424	M117x	Memory Drivers.
87▼	SN55327SB	25		MON	2.0%	.80*	0.0	7.0	1.0	-55	125	K15424	FP98a	Memory Drivers.
88▼	SN55450BJ	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125		M157b	Dual Peripheral Positive-And Driver.
89▼	SN55450BJB	25		MON	2 0%	.80*	0.0	5.0	800m	-55	125		M358	Dual Peripheral Positive-And Driver.
90▼	SN55451BJP	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125		M360	Dual Peripheral Positive-And Driver.
91▼	SN55451BL	25		MON	2.0%	80*	0.0	5 0	800m	-55	125		Δ002AK	Dual Peripheral Positive-And Driver.
92▼	SN55452BJP	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125		M360	Dual Peripheral Positive-Nand Driver.
93▼	SN55452BL	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125		Δ002AK	Dual Peripheral Positive-Nand Driver.
94▼	SN55453BJP	25		MON	2.0%	.80*	0.0	5 0	800m	-55	125		M360	Dual Peripheral Positive-Or Driver.
95▼	SN55453BL	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125		Δ002AK	Dual Peripheral Positive-Or Driver
96▼	SN55454BJP	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125		M360	Dual Peripheral Positive-Nor Driver
97▼	SN55454BL	25		MON	2.0%	80*	0.0	5.0	800m	-55	125		Δ002AK	Dual Peripheral Positive-Nor Driver.
98▼	SN55460J	25		MON	2 0%	.80*	0.0	5.0	800m	-55	125	K2529	M157b	Dual Peripheral Positive-And Driver.
99▼	SN55460JB	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2529	M358	Dual Peripheral Positive-And Driver.
100▼	SN55461JP	25		MON	2.0%	.80*	0 0	5.0	800m	-55	125	K2530	M360	Dual Peripheral Positive-And Driver.
101▼	SN55461L	25		MON	2.0%	.80*	0 0	5.0	800m	-55	125	K2530	Δ002AK	Dual Peripheral Positive-And Driver.
102▼	SN55462JP	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2531	M360	Dual Peripheral Positive-Nand Driver.
103▼	SN55462L	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2531	Δ002AK	Dual Peripheral Positive-Nand Driver.
104▼	SN55463JP	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2532	M360	Dual Peripheral Positive-Or Driver.
105▼	SN55463L	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2532	Δ002AK	Dual Peripheral Positive-Or Driver.
106▼	SN55464JP	25		MON	2.0%	80*	0.0	5.0	800m	-55	125	K2533	M360	Dual Peripheral Positive-Nor Driver.
107▼	SN55464L	25		MON	2.0%	.80*	0.0	5.0	800m	-55	125	K2533	Δ002AK	Dual Peripheral Positive-Nor Driver.
108♦	SN75325J	25		MON	2.0%	.80*	0.0	5.0	1.0	0	70	K2519	M153d	Dual Memory Driver;tpd 50ns.
109♦	SN75325N	25		MON	2 0%	.80*	0.0	5 0	1.0	0	70	K2519	M117x	Dual Memory Driver;tpd 50ns.
110▼	SN75325SB	25		MON	2.0%	.80*	0.0	5.0	1.0	0	70	K2519	FP98a	Dual Memory Driver;tpd 50ns.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1♦	SN75326J	25		MON	2.0%	.80*	0.0	7.0	1.0	0	70	K15423	M153a	Memory Driver.
2♦	SN75326N	25		MON	2.0%	.80*	0.0	7.0	1.0	0	70	K15423	M117	Memory Driver.
3▼	SN75326SB	25		MON	2.0%	.80*	0.0	7.0	1.0	0	70	K15423	FP98a	Memory Driver.
4♦	SN75327J	25		MON	2.0%	.80*	0.0	7.0	1.0	0	70	K15424	M153a	Memory Driver.
5♦	SN75327N	25		MON	2.0%	.80*	0.0	7.0	1.0	0	70	K15424	M117	Memory Driver.
6▼	SN75327SB	25		MON	2.0%	.80*	0.0	7.0	1.0	0	70	K15424	FP98a	Memory Driver.
7	SN75450AJ	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2111	TO116	Dual Positive-And Peripheral Driver.
8	SN75450AN	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2111	TO116	Dual Positive-And Peripheral Driver
9▼	SN75450BJ	25		MON	2.0%	.80	0.0	5.0	800m	0	70	K2529	M157b	Dual Peripheral Positive-And Driver.
10▼	SN75450BN	25		MON	2.0%	.80	0.0	5.0	800m	0	70	K2529	M126e	Dual Peripheral Positive-And Driver.
11	SN75450J	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2111	M157	Dual Peripheral Driver;tpd 17ns.
12	SN75450N	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2111	M126e	Dual Peripheral Driver;tpd 22ns max.
13	SN75451AP	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2112	M248	Dual Peripheral Driver;tpd 45ns max.
14▼	SN75451BL	25		MON	2.0%	.80	0.0	5.0	800m	0	70	K2530	Δ002AK	Dual Peripheral Positive-And Driver.
15▼	SN75451BP	25		MON	2.0%	.80	0.0	5.0	800m	0	70	K2530	M226	Dual Peripheral Positive-And Driver.
16	SN75451P	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2112	M248	Dual Peripheral Driver;tpd 20ns max.
17▼	SN75452BL	25		MON	2.0%	.80	0.0	5.0	800m	0	70	K2531	Δ002AK	Dual Peripheral Positive-Nand Driver.
18▼	SN75452BP	25		MON	2.0%	.80	0.0	5.0	800m	0	70	K2531	M226	Dual Peripheral Positive-Nand Driver.
19	SN75452P	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2522	M248	Dual Positive-Nand Peripheral Driver.
20▼	SN75453BL	25		MON	2.0%	.80	0.0	5.0	800m	0	70	K2532	Δ002AK	Dual Peripheral Positive-Or Driver.
21▼	SN75453BP	25		MON	2.0%	.80	0.0	5.0	800m	0	70	K2532	M226	Dual Peripheral Positive-Or Driver.
22	SN75453P	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2523	M248	Dual Positive-Or Peripheral Driver.
23▼	SN75454BL	25		MON	2.0%	.80	0.0	5.0	800m	0	70	K2533	Δ002AK	Dual Peripheral Positive-Nor Driver.
24▼	SN75454BP	25		MON	2.0%	.80	0.0	5.0	800m	0	70	K2533	M226	Dual Peripheral Positive-Nor Driver.
25	SN75454P	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2524	M248	Dual Positive-Nor Periphral Driver.
26	SN75460AJ	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2121	TO116	Dual Positive-And Peripheral Driver.
27	SN75460AN	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2121	TO116	Dual Positive-And Peripheral Driver.
28▼	SN75460J	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2529	M157b	Dual Peripheral Positive-And Driver.
29▼	SN75460N	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2529	M126e	Dual Peripheral Positive-And Driver.
30	SN75461AP	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2521	M248	Dual Positive-And Peripheral Driver.
31▼	SN75461L	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2530	Δ002AK	Dual Peripheral Positive-And Driver.
32▼	SN75461P	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2530	M226	Dual Peripheral Positive-And Driver.
33	SN75462AP	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2522	M248	Dual Positive-Nand Peripheral Driver.
34▼	SN75462L	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2531	Δ002AK	Dual Peripheral Positive-Nand Driver.
35▼	SN75462P	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2531	M226	Dual Peripheral Positive-Nand Driver.
36	SN75463AP	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2523	M248	Dual Positive-Or Peripheral Driver.
37▼	SN75463L	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2532	Δ002AK	Dual Peripheral Positive-Or Driver.
38▼	SN75463P	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2532	M226	Dual Peripheral Positive-Or Driver.
39	SN75464AP	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2524	M248	Dual Positive-Nor Peripheral Driver.
40▼	SN75464L	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2533	Δ002AK	Dual Peripheral Positive-Nor Driver.
41▼	SN75464P	25		MON	2.0%	.80*	0.0	5.0	800m	0	70	K2533	M226	Dual Peripheral Positive-Nor Driver.
42	UHC400	25		MON	2.0%	.80*	0.0	5.0	53mt	-55	125	K252a	FP39b	Quad Power Driver;Vo 40V;Io 500mA
43	UHC402	25		MON	2.0%	.80*	0.0	5.0	55mt	-55	125	K2516	FP39b	Quad Power Driver;Vo 40V;Io 500mA
44	UHC403	25		MON	2.0%	.80*	0.0	5.0	55mt	-55	125	K2526	FP39b	Quad Power Driver;Vo 40V;Io 500mA.
45	UHC406	25		MON	2.0%	.80*	0.0	5.0	53mt	-55	125	K252f	FP39b	Quad Power Driver;Vo 40V;Io 500mA
46	UHC407	25		MON	2.0%	.80*	0.0	5.0	65mt	-55	125	K2514	FP39b	Quad Power Driver;Vo 40V;Io 500mA
47	UHC408	25		MON	2.0%	.80*	0.0	5.0	65mt	-55	125	K2514b	FP39b	Quad Power Driver;Vo 40v;Io 500mA
48	UHC420	25		MON	2.0%	.80*	0.0	5.0	53mt	-55	125	K252h	FP39b	Dual Power Driver;Vo 40V;Io 500mA
49	UHC432	25		MON	2.0%	.80*	0.0	5.0	65mt	-55	125	K2515	FP39b	Quad Power Driver;Vo 40V;Io 500mA
50	UHC433	25		MON	2.0%	.80*	0.0	5.0	65mt	-55	125	K2525	FP39b	Quad Power Driver;Vo 40V;Io 500mA.
51	UHC451	25		MON	2.0%	.80*	0.0	5.0	62mt	-55	125	K255	FP39b	Dual Power Driver;Vo 40V;Io 15mA
52	UHC459	25		MON	2.0%	.80*	0.0	5.0	62mt	-55	125	K255c	FP39b	Dual Power Driver;Vo 40V;Io 500mA
53	UHC500	25		MON	2.0%	.80*	0.0	5.0	53mt	-55	125	K252a	FP39b	Quad Power Driver;Vo 100V;Io 500mA
54	UHC502	25		MON	2.0%	.80*	0.0	5.0	55mt	-55	125	K2516	FP39b	Quad Power Driver;Vo 100V;Io 500mA
55	UHC503	25		MON	2.0%	.80*	0.0	5.0	55mt	-55	125	K2526	FP39b	Quad Power Driver;Vo 100V;Io 500mA.
56	UHC506	25		MON	2.0%	.80*	0.0	5.0	53mt	-55	125	K252f	FP39b	Quad Power Driver;Vo 100V;Io 500mA
57	UHC507	25		MON	2.0%	.80*	0.0	5.0	65mt	-55	125	K2514	FP39b	Quad Power Driver;Vo 100V;Io 500mA
58	UHC508	25		MON	2.0%	.80*	0.0	5.0	65mt	-55	125	K2514b	FP39b	Quad Power Driver;Vo 100V;Io 500mA
59	UHC520	25		MON	2.0%	.80*	0.0	5.0	53mt	-55	125	K252h	FP39b	Dual Power Driver;Vo 100V;Io 500mA
60	UHC532	25		MON	2.0%	.80*	0.0	5.0	65mt	-55	125	K2515	FP39b	Quad Power Driver;Vo 100V;Io 500mA
61	UHC533	25		MON	2.0%	.80*	0.0	5.0	65mt	-55	125	K2525	FP39b	Quad Power Driver;Vo 100V;Io 500mA.
62	UHC551	25		MON	2.0%	.80*	0.0	5.0	62mt	-55	125	K255	FP39b	Dual Power Driver;Vo 100V;Io 500mA
63	UHC559	25		MON	2.0%	.80*	0.0	5.0	62mt	-55	125	K255c	FP39b	Dual Power Driver;Vo 100V;Io 500mA
64	UHD400	25		MON	2.0%	.80*	0.0	5.0	200mt	-55	125	K252b	M105ag	Quad power driver; Vo 40V;Io 500mA.
65	UHD402	25		MON	2.0%	.80*	0.0	5.0	55mt	-55	125	K2516a	M105ag	Dual Power Driver;Vo 40V;Io 500mA
66	UHD403	25		MON	2.0%	.80*	0.0	5.0	55mt	-55	125	K2526a	M105ag	Quad Power Driver;Vo 40V;Io 500mA.
67	UHD406	25		MON	2.0%	.80*	0.0	5.0	53mt	-55	125	K252g	M105ag	Quad Power Driver;Vo 40V;Io 500mA
68	UHD407	25		MON	2.0%	.80*	0.0	5.0	65mt	-55	125	K2514a	M105ag	Quad Power Driver;Vo 40V;Io 500mA
69	UHD408	25		MON	2.0%	.80*	0.0	5.0	65mt	-55	125	K2514c	M105ag	Quad Power Driver;Vo 40V;Io 500mA
70	UHD420	25		MON	2.0%	.80*	0.0	5.0	100mt	-55	125	K252d	M105ag	Dual power driver; Vo 40V; Io 500mA.
71	UHD432	25		MON	2.0%	.80*	0.0	5.0	65mt	-55	125	K2515a	M105ag	Quad Power Driver;Vo 40V;Io 500mA
72	UHD433	25		MON	2.0%	.80*	0.0	5.0	65mt	-55	125	K2525a	M105ag	Quad Power Driver;Vo 40V;Io 500mA
73	UHD451	25		MON	2.0%	.80*	0.0	5.0	125mt	-55	125	K255a	M105ag	Dual Power Driver; Vo 40V; Io 500mA.
74	UHD459	25		MON	2.0%	.80*	0.0	5.0	125mt	-55	125	K255b	M105ag	Dual power driver; Vo 40V; Io 500mA.
75	UHD500	25		MON	2.0%	.80*	0.0	5.0	53mt	-55	125	K252b	M105ag	Quad Power Driver;Vo 100V;Io 500mA
76	UHD502	25		MON	2.0%	.80*	0.0	5.0	55mt	-55	125	K2516a	M105ag	Quad Power Driver;Vo 100V;Io 500mA
77	UHD503	25		MON	2.0%	.80*	0.0	5.0	55mt	-55	125	K2526a	M105ag	Quad Power Driver;Vo 100V;Io 500mA.
78	UHD506	25		MON	2.0%	.80*	0.0	5.0	53mt	-55	125	K252g	M105ag	Quad Power Driver;Vo 100V;Io 500mA
79	UHD507	25		MON	2.0%	.80*	0.0	5.0	65mt	-55	125	K2514a	M105ag	Quad Power Driver;Vo 100V;Io 500mA
80	UHD508	25		MON	2.0%	.80*	0.0	5.0	65mt	-55	125	K2514c	M105ag	Quad Power Driver;Vo 100V;Io 500mA
81	UHD520	25		MON	2.0%	.80*	0.0	5.0	53mt	-55	125	K252d	M105ag	Dual Power Driver;Vo 100V;Io 500mA
82	UHD532	25		MON	2.0%	.80*	0.0	5.0	65mt	-55	125	K2515a	M105ag	Quad Power Driver;Vo 100V;Io 500mA
83	UHD533	25		MON	2.0%	.80*	0.0	5.0	65mt	-55	125	K2525a	M105ag	Quad Power Driver;Vo 100V;Io 500mA.
84	UHD551	25		MON	2.0%	.80*	0.0	5.0	62mt	-55	125	K255a	M105ag	Dual Power Driver;Vo 100V;Io 500mA.
85	UHD559	25		MON	2.0%	.80*	0.0	5.0	62mt	-55	125	K255b	M105ag	Dual Power Driver;Vo 100V;Io 500mA
86	UHP400	25		MON	2.0%	.80*	0.0	5.0	53mt	0	70	K252b	M126k	Quad Power Driver;Vo 40V;Io 15mA
87	UHP402	25		MON	2.0%	.80*	0.0	5.0	55mt	0	70	K2516a	M126k	Dual Power Driver,Vo 40V;Io 500mA
88	UHP403	25		MON	2.0%	.80*	0.0	5.0	55mt	-25	85	K2526a	M126k	Quad Power Driver;Vo 40V;Io 500mA.
89	UHP406	25		MON	2.0%	.80*	0.0	5.0	53mt	0	70	K252g	M126k	Quad Power Driver;Vo 40V;Io 500mA
90	UHP407	25		MON	2.0%	.80*	0.0	5.0	65mt	0	70	K2514a	M126k	Quad Power Driver;Vo 40V;Io 500mA
91	UHP408	25		MON	2.0%	.80*	0.0	5.0	65mt	0	70	K2514c	M126k	Quad Power Driver;Vo 40V;Io 500mA
92	UHP420	25		MON	2.0%	.80*	0.0	5.0	53mt	0	70	K252d	M126k	Dual Power Driver;Vo 40V;Io 15mA
93	UHP432	25		MON	2.0%	.80*	0.0	5.0	65mt	0	70	K2515a	M126k	Quad Power Driver;Vo 40V;Io 500mA
94	UHP433	25		MON	2.0%	.80*	0.0	5.0	65mt	-25	85	K2525a	M126k	Quad Power Driver;Vo 40V;Io 500mA
95	UHP451	25		MON	2.0%	.80*	0.0	5.0	62mt	0	70	K255a	M126k	Dual Power Driver;VO 40V;Io 15mA
96	UHP459	25		MON	2.0%	.80*	0.0	5.0	62mt	0	70	K255b	M126k	Dual Power Driver;Vo 40V;Io 15mA
97	UHP500	25		MON	2.0%	.80*	0.0	5.0	53mt	0	70	K252b	M126k	Quad Power Driver;Vo 100V;Io 500mA
98	UHP502	25		MON	2.0%	.80*	0.0	5.0	55mt	0	70	K2516a	M126k	Quad Power Driver;Vo 100V;Io 500mA
99	UHP503	25		MON	2.0%	.80*	0.0	5.0	55mt	-25	85	K2526a	M126k	Quad Power Driver;Vo 100V;Io 500mA.
100	UHP506	25		MON	2.0%	.80*	0.0	5.0	53mt	0	70	K252g	M126k	Quad Power Driver,Vo 100V;Io 500mA
101	UHP507	25		MON	2.0%	.80*	0.0	5.0	65mt	0	70	K2514a	M126k	Quad Power Driver;Vo 100V;Io 500mA
102	UHP508	25		MON	2.0%	.80*	0.0	5.0	65mt	0	70	K2514c	M126k	Quad Power Driver;Vo 100V;Io 500mA.
103	UHP520	25		MON	2.0%	.80*	0.0	5.0	53mt	0	70	K252d	M126k	Dual Power Driver;Vo 100V;Io 500mA
104	UHP532	25		MON	2.0%	.80*	0.0	5.0	65mt	0	70	K2515a	M126k	Quad Power Driver;Vo 100V;Io 500mA
105	UHP533	25		MON	2.0%	.80*	0.0	5.0	65mt	-25	85	K2525a	M126k	Quad Power Driver;Vo 100V;Io 500mA.
106	UHP551	25		MON	2.0%	.80*	0.0	5.0	62mt	0	70	K255a	M126k	Dual Power Driver;Vo 100V;Io 500mA
107	UHP559	25		MON	2.0%	.80*	0.0	5.0	62mt	0	70	K255b	M126k	Dual Power Driver,Vo 100V;Io 500mA
108#	FLL131-49700	25	1.0M	MON	2.0%	.80*	0.0	5.0	425mŝ	0	70	K2512	M117w	Dual Gated Power Driver;Vo 30V/400mA.
109#	FLL131T49700S1	25	1.0M	MON	2.0%	.80*	0.0	5.0	425mŝ	0	70	K2512	M117w	Dual Gated Power Driver;Vo 65V/400mA.
110#	FLL135-49800	25	1.0M	MON	2.0%	80*	0.0	5.0	425mŝ	-25	85	K2512	M117w	Dual Gated Power Driver;Vo 30V/400mA.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0' (4)MAX OPER FREQ(5)TYPE No.

LINE No.	[5] TYPE No.	[1] USE	[4] MAX OPER-ATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL [2] '1' (V)	LOGIC LEVEL [3] '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1#	FLL135T49800S1	25	1 0M	MON	2.0%	.80*	0.0	5.0	425m§	-25	85	K2512	M117w	Dual Gated Power Driver;Vo 65V/400mA.
2#	FLL141-49701	25	1.0M	MON	2.0%	.80*	0 0	5.0	300m§	0	70	K2513	M117w	Quadruple Power Driver;Vo 30V/130mA.
3#	FLL145-49801	25	1.0M	MON	2.0%	.80*	0.0	5.0	300m§	-25	85	K2513	M117w	Quadruple Power Driver;Vo 30V/130mA.
4#	TL49701N	25	1.0M†	MON	2.0%	.80*	0.0	5.0	165m†	0	70	K2513	M117u	Quadruple Power Driver;Vo 30V/130mA
5#	TL49801N	25	1.0M†	MON	2.0%	.80*	0.0	5.0	165m†	-25	85	K2513	M117u	Quadruple Power Driver;Vo 30V/130mA..
6	IM5001CDD	25			2.0%	.85*	0 0	5.0	375m%	0	75	K256	M236	Quad Driver;IF 1.5mA;IR60uA;tpd 25ns max.
7	IM5011CDD	25			2.0%	.85*	0.0	5 0	375m%	0	75	K256	M236	Quad Driver;IF 1.5mA;IR 60uA;tpd 25ns max
8	NH0008	25		MOH	2.1%	.80*	0.0	28	600m	-55	125	K15167	CN59	High Voltage,High Current Driver.
9	NH0008C	25		MOH	2.1%	.80*	0.0	28	600m	0	70	K15167	CN59	High Voltage,High Current Driver.
10	MN304	25		TFH	2.4	.40	0.0	5.0	750m	0	70	K1038	M244	Quad Power Driver 200mA Load.
11▼	SG55450BJ	25		MON	2.4%	.40*	0.0	5 0	1.0	-55	125	K2534	TO116	Dual Peripheral Driver,35V,300mA.
12▼	SG55460J	25		MON	2.4%	.40*	0.0	5.0	1.0	-55	125	K2534	TO116	Dual Peripheral Driver,40V,300mA.
13▼	SG75450BJ	25		MON	2.4%	.40*	0.0	5.0	1.0	0	70	K2534	TO116	Dual Peripheral Driver,35V,300mA.
14▼	SG75450BN	25		MON	2 4%	40*	0.0	5.0	600m	0	70	K2534	M126r	Dual Peripheral Driver,35V,300mA.
15▼	SG75460J	25		MON	2.4%	40*	0.0	5.0	1.0	0	70	K2534	TO116	Dual Peripheral Driver,40V,300mA.
16▼	SG75460N	25		MON	2.4%	.40*	0.0	5.0	600m	0	70	K2534	M126r	Dual Peripheral Driver,40V,300mA.
17▼	SN75324J	25		MON	3.5%		0.0	14	800m	0	70	K15277	M153d	Memory Driver.
18	LM75324J	25		MON	3.5%	.80*	0.0	14	800m	0	70	K15277	M200k	Memory Driver;tpd 110ns max;Vi 5.5V.
19	LM75324N	25		MON	3.5%	.80*	0.0	14	800m	0	70	K15277	M344	Memory Driver;tpd 110ns max;Vi 5.5V.
20♦	SN75324N	25		MON	3.5%	80*	0.0	14	800m	0	70	K15277	M126e	Memory Driver.
21	US75324A	25		MON	3.5%	.80*	0.0	14	800m	0	70	K15277	M105af	Memory Driver,Vi5.5V,Is 40mA max.
22	US75324G	25		MON	3.5%	.80*	0.0	14	800m	0	70	K15277	FP39b	Memory Driver,Vi5.5V;Is 40mA max.
23	US75324H	25		MON	3 5%	.80*	0.0	14	800m	0	70	K15277	TO116	Memory Driver,Vi5.5V;Is 40mA max.
24	US75324J	25		MON	3.5%	.80*	0.0	14	800m	0	70	K15277	TO88	Memory Driver,Vi5.5V;Is 40mA max.
25	W042	25	1.0k	PCB	-3.0	0.0	15	10	20	-20	55		CB31a	Four 10 Amp. Stepping Motors Drivers.
26	UHD060	25		MON	40☑%	1.5#*				0	70	K2520	M297	Dual Darlington Switch;tpd 150ns max
27	UHP060	25		MON	40☑%	1.5#*				0	70	K2520	M298	Dual Darlington Switch;tpd 150ns max.
28	UHC060	25		MON	50☑%	1.5#*				0	70	K2520	CN48r	Dual Darlington Switch;tpd 150ns max.
29▼#	BAT21	26		MON					600m				TO116	16 Coredriver;VR 60V;trr 20ns;IF(av)400mA.
30▼#	BAT22	26		MON					600m				TO116	16 Coredriver;VR 40V;trr 20ns;IF(av)400mA.
31▼#	BAT23	26		MON					500m				TO91	16 Coredriver;VR 60V;trr 20ns;IF(av)300mA.
32▼#	BAT24	26		MON					500m				TO91	16 Coredriver;VR 40V;trr 20ns;IF(av)300mA.
33▼#	BAT25	26		MON					600m				TO116	Dual 8 Coredriver;VR 60V;IF(av)400mA.
34▼#	BAT26	26		MON					600m				TO116	Dual 8 Coredriver;VR 40V;IF(av)400mA.
35▼#	BAT27	26		MON					500m				FP52g	Dual 8 Coredriver;VR 60V;IF(av)300mA
36▼#	BAT28	26		MON					500m				FP52g	Dual 8 Coredriver;VR 40V;IF(av)300mA.
37#	M54510P	26		MON						0	75	K267	M186a	18x5 Bit Diode Matrix
38	RM217G	26		MON	15Ø					-55	125	K265c	FP28e	And gate, Trr is 4.0ns max at 2.0mA IR,IF
39	RM217T	26		MON	15Ø					-55	125	K265a	CN18	And gate; Trr is 4.0ns max at 2.0mA IR,IF.
40	RM227G	26		MON	15Ø					-55	125	K265	FP28e	And gate;Trr is 4.0ns max at 2.0mA IR,IF.
41	1N5769	26		MON	25Ø				500m	-65	150	K261	FP26h	IF 300mA;VF at 100mA IF 1.1Vmax;trr20nsmax
42	1N5771	26		MON	25Ø				500m	-65	150	K262	FP26h	IF 300mA;VF at 100mA IF 1.1Vmax;trr20nsmax
43	1N5773	26		MON	25Ø				500m	-65	150	K263	FP26h	IF 300mA;VF at 100mA IF 1.1Vmax;trr20nsmax
44	1N5775	26		MON	25Ø				500m	-65	150	K2613	FP26h	Dual;IF 300mA,trr 20ns max;CT 8pf max.
45	MCE7005F	26			25☑				20m	0	100	K2612	FP92	Diode-Resistor Network.
46	TIDM155F	26		MON	25Ø		0.0	5.0	400m	-65	150	K268	FP52f	5x5 Matrix;trr 10ns max at IF,IRM 10mA.
47	TIDM155J	26		MON	25Ø		0.0	5.0	400m	-65	150	K268	M157b	5x5 Matrix;trr 10ns max at IF,IRM 10mA.
48	TIDM166F	26		MON	25Ø		0.0	5.0	400m	-65	150	K268a	FP52f	6x6 Matrix;trr 10ns max at IF,IRM 10mA.
49	TIDM166J	26		MON	25Ø		0.0	5.0	400m	-65	150	K268a	M157b	6x6 Matrix;trr 10ns max at IF,IRM 10mA.
50	TIDM168F	26		MON	25Ø		0.0	5.0	400m	-65	150	K268b	FP52f	6x8 Matrix;trr 10ns max at IF,IRM 10mA.
51	TIDM168J	26		MON	25Ø		0.0	5 0	400m	-65	150	K268b	M157b	6x8 Matrix;trr 10ns max at IF,IRM 10mA.
52	TIDM185F	26		MON	25Ø		0.0	5.0	400m	-65	150	K268c	FP52f	8x5 Matrix;trr 10ns max at IF,IRM 10mA.
53	TIDM185J	26		MON	25Ø		0.0	5.0	400m	-65	150	K268c	M157b	8x5 Matrix;trr 10ns max at IF,IRM 10mA.
54	TIDM186F	26		MON	25Ø		0.0	5 0	400m	-65	150	K268d	FP52f	8x6 Matrix;trr 10ns max at IF,IRM 10mA.
55	TIDM186J	26		MON	25Ø		0.0	5 0	400m	-65	150	K268d	M157b	8x6 Matrix;trr 10ns max at IF,IRM 10mA.
56	TIDM255F	26		MON	25Ø		0.0	5.0	400m	-65	150	K268	FP52f	5x5 Matrix;trr 25ns max at IF,IRM 10mA.
57	TIDM255J	26		MON	25Ø		0.0	5.0	400m	-65	150	K268	M157b	5x5 Matrix;trr 25ns max at IF,IRM 10mA.
58	TIDM266F	26		MON	25Ø		0.0	5.0	400m	-65	150	K268a	FP52f	6x6 Matrix;trr 25ns max at IF,IRM 10mA.
59	TIDM266J	26		MON	25Ø		0.0	5.0	400m	-65	150	K268a	M157b	6x6 Matrix;trr 25ns max at IF,IRM 10mA.
60	TIDM268F	26		MON	25Ø		0.0	5.0	400m	-65	150	K268b	FP52f	6x8 Matrix;trr 25ns max at IF,IRM 10mA.
61	TIDM268J	26		MON	25Ø		0.0	5 0	400m	-65	150	K268b	M157b	6x8 Matrix;trr 25ns max at IF,IRM 10mA.
62	TIDM285F	26		MON	25Ø		0.0	5.0	400m	-65	150	K268c	FP52f	8x5 Matrix;trr 25ns max at IF,IRM 10mA.
63	TIDM285J	26		MON	25Ø		0.0	5.0	400m	-65	150	K268c	M157b	8x5 Matrix;trr 25ns max at IF,IRM 10mA.
64	TIDM286F	26		MON	25Ø		0.0	5.0	400m	-65	150	K268d	FP52f	8x6 Matrix;trr 25ns max at IF,IRM 10mA.
65	TIDM286J	26		MON	25Ø		0.0	5.0	400m	-65	150	K268d	M157b	8x6 Matrix;trr 25ns max at IF,IRM 10mA.
66▼	FJT2000	26		MON	35Ø				125m	-55	125	K2614	CN☑	IF(DC)100mA max;trr 250us max.
67	HM1A013	26		MON	35Ø				450m	-55	125	K15108i	TO116	5x8 Matrix;VF 1.5V max;trr 50ns max.
68	HM1A034	26		MON	35Ø				450m	-55	125	K15108i	TO116	6x8 Matrix;VF 1.5V max;trr 50ns max.
69	HM1A044	26		MON	35Ø				450m	-55	125	K15108i	TO116	8x6 Matrix;VF 1.5V max;trr 50ns max.
70	HM1A055	26		MON	35Ø				450m	-55	125	K15108i	TO116	10x4 Matrix;VF 1.5V max;trr 50ns max.
71	HM1A077	26		MON	35Ø				450m	-55	125	K15108i	TO116	5x5 Matrix;VF 1.5V max;trr 50ns max.
72	HM1A084	26		MON	35Ø				450m	-55	125	K15108i	TO116	8x5 Matrix;VF 1.5V max;trr 50ns max.
73	HM1A093	26		MON	35Ø				450m	-55	125	K15108i	TO116	4x10 Matrix,VF 1.5V max,trr 50ns max.
74	HM9H013	26		MON	35Ø				450m	-55	125	K15108i	TO86	5x8 Matrix;VF 1.5V max;trr 50ns max.
75	HM9H034	26		MON	35Ø				450m	-55	125	K15108i	TO86	6x8 Matrix;VF 1.5V max;trr 50ns max.
76	HM9H044	26		MON	35Ø				450m	-55	125	K15108i	TO86	8x6 Matrix;VF 1.5V max;trr 50ns max.
77	HM9H055	26		MON	35Ø				450m	-55	125	K15108i	TO86	10x4 Matrix;VF 1.5V max;trr 50ns max.
78	HM9H077	26		MON	35Ø				450m	-55	125	K15108i	TO86	5x5 Matrix;VF 1.5V max;trr 50ns max.
79	HM9H084	26		MON	35Ø				450m	-55	125	K15108i	TO86	8x5 Matrix;VF 1.5V max;trr 50ns max.
80	HM9H093	26		MON	35Ø				450m	-55	125	K15108i	TO86	4x10 Matrix;VF 1.5V max;trr 50ns max.
81	1N5768	26		MON	40Ø				500m	-65	150	K261	FP26h	IF 300mA;VF at 100mA IF 1.0Vmax;trr20nsmax
82	1N5770	26		MON	40Ø				500m	-65	150	K262	FP26h	IF 300mA;VF at 100mA IF 1 0Vmax;trr20nsmax
83	1N5772	26		MON	40Ø				500m	-65	150	K263	FP26h	IF 300mA,VF at 100mA IF 1.0Vmax;trr20nsmax
84	1N5774	26		MON	40Ø				500m	-65	150	K2613	FP26h	Dual;IF 300mA;trr 20ns max;CT 8pf max.
85	HM1A012	26		MON	40Ø				450m	-55	125	K15108i	TO116	5x8 Matrix;VF 1.7V max;trr 25ns max.
86	HM1A031	26		MON	40Ø				450m	-55	125	K15108i	TO116	6x8 Matrix;VF 1.5V max;trr 10ns max.
87	HM1A041	26		MON	40Ø				450m	-55	125	K15108i	TO116	8x6 Matrix;VF 1.5V max;trr 10ns max.
88	HM1A051	26		MON	40Ø				450m	-55	125	K15108i	TO116	10x4 Matrix;VF 1 7V max;trr 25ns max.
89	HM1A075	26		MON	40Ø				450m	-55	125	K15108i	TO116	5x5 Matrix;VF 1.7V max;trr 25ns max.
90	HM1A081	26		MON	40Ø				450m	-55	125	K15108i	TO116	8x5 Matrix;VF 1.5V max;trr 10ns max.
91	HM1A091	26		MON	40Ø				450m	-55	125	K15108i	TO116	4x10 Matrix;VF 1.7V max;trr 10ns max.
92	HM9H012	26		MON	40Ø				450m	-55	125	K15108i	TO86	5x8 Matrix;VF 1.7V max;trr 25ns max.
93	HM9H031	26		MON	40Ø				450m	-55	125	K15108i	TO86	6x8 Matrix;VF 1.5V max;trr 10ns max.
94	HM9H041	26		MON	40Ø				450m	-55	125	K15108i	TO86	8x6 Matrix;VF 1.5V max;trr 10ns max
95	HM9H051	26		MON	40Ø				450m	-55	125	K15108i	TO86	10x4 Matrix;VF 1.7V max;trr 25ns max.
96	HM9H075	26		MON	40Ø				450m	-55	125	K15108i	TO86	5x5 Matrix;VF 1.7V max;trr 25ns max.
97	HM9H081	26		MON	40Ø				450m	-55	125	K15108i	TO86	8x5 Matrix;VF 1.5V max;trr 10ns max.
98	HM9H091	26		MON	40Ø				450m	-55	125	K15108i	TO86	4x10 Matrix;VF 1.7V max;trr 25ns max.
99	MCE7003F	26			40☑					0	100	K2611	TO86	Seven Diode Array.
100	MCE7006F	26			40☑					0	100	K263	FP92	16-Diode Array.
101	TID22A	26		DCM	40Ø				500m†	-65	150	K261	TO89	8 arrays;tfREC 40ns;trREC 20ns.
102	TID24A	26		DCM	40Ø				500m†	-65	150	K262	TO89	8 arrays;tfREC 40ns;trREC 20ns.
103	TID26A	26		DCM	40Ø				500m†	-65	150	K263	TO89	16 arrays;tfREC 40ns;trREC 20ns.
104	TID30A	26		DCM	40Ø				500m†	-65	150	K263m	TO84	Dual-10 arrays,tfREC 40ns;trREC 20ns.
105	TID122	26		DCM	40Ø				600m†	-65	125	K261k	M117m	8 arrays;tfREC 40ns;trREC 20ns.
106	TID124	26		DCM	40Ø				600m†	-65	125	K262k	M117m	8 arrays;tfREC 40ns;trREC 20ns.
107	TID126	26		DCM	40Ø				600m†	-65	125	K263a	M117m	16 arrays;tfREC 40ns;trREC 20ns.
108	TID130	26		DCM	40Ø				600m†	-65	125	K263m	M117m	Dual-10 arrays;tfREC 40ns;trREC 20ns.
109	TID132	26		DCM	40Ø				500m†	-65	150	K263m	TO84	Dual-8 arrays;tfREC 40ns;trREC 20ns.
110	TID134	26		DCM	40Ø				600m†	-65	125	K263n	M117m	Dual-8 arrays;tfREC 40ns;trREC 20ns.

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0' (4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	TID136N	26		MON	40Ø				600m	-65	125	K263p	M126e	16-Diode Array.
2	TID140F	26		MON	40Ø				500m	-65	150	K2611	FP52f	7 Independent Diodes.
3	TID140N	26		MON	40Ø				600m	-65	125	K2611	M126e	7 Independent Diodes.
4	TID142F	26		MON	40Ø				500m	-65	150	K269a	TO89	Dual 4-Diode Array(Common Cathode).
5	TID142N	26		MON	40Ø				600m	-65	125	K269b	M126e	Dual 4-Diode Array(Common Cathode).
6	TID144F	26		MON	40Ø				500m	-65	150	K2610a	TO89	Dual 4-Diode Array(Common Anode)
7	TID144N	26		MON	40Ø				600m	-65	125	K2610b	M126e	Dual 4-Diode Array(Common Anode).
8♦#	DN804	26		MON	40Ø	.70			500m	-55	125	K269	M257d	Dual 4 arrays,tREC 5.0ns typ.
9♦#	DN806	26		MON	40Ø	70			500m	-55	125	K2610	M257d	Dual 4 arrays,tREC 5.0ns typ.
10	HM1A010	26		MON	45Ø				450m	-55	125	K15108i	TO116	5x8 Matrix;VF 1.5V max;trr 10ns max.
11	HM1A030	26		MON	45Ø				450m	-55	125	K15108ı	TO116	6x8 Matrix;VF 1.5V max;trr 10ns max.
12	HM1A040	26		MON	45Ø				450m	-55	125	K15108i	TO116	8x6 Matrix;VF 1.5V max;trr 10ns max.
13	HM1A050	26		MON	45Ø				450m	-55	125	K15108i	TO116	10x4 Matrix;VF 1.5V max;trr 10ns max.
14	HM1A074	26		MON	45Ø				450m	-55	125	K15108i	TO116	5x5 Matrix;VF 1.5V max;trr 10ns max.
15	HM1A080	26		MON	45Ø				450m	-55	125	K15108ı	TO116	8x5 Matrix;VF 1.5V max;trr 10ns max.
16	HM1A090	26		MON	45Ø				450m	-55	125	K15108ı	TO116	4x10 Matrix;VF 1.5V max;trr 10ns max.
17	HM9H010	26		MON	45Ø				450m	-55	125	K15108ı	TO86	5x8 Matrix;VF 1.5V max;trr 10ns max.
18	HM9H030	26		MON	45Ø				450m	-55	125	K15108ı	TO86	6x8 Matrix;VF 1.5V max;trr 10ns max.
19	HM9H040	26		MON	45Ø				450m	-55	125	K15108i	TO86	8x6 Matrix;VF 1.5V max;trr 10ns max.
20	HM9H050	26		MON	45Ø				450m	-55	125	K15108i	TO86	10x4 Matrix;VF 1.5V max;trr 10ns max.
21	HM9H074	26		MON	45Ø				450m	-55	125	K15108i	TO86	5x5 Matrix;VF 1.5V max;trr 10ns max.
22	HM9H080	26		MON	45Ø				450m	-55	125	K15108i	TO86	8x5 Matrix;VF 1.5V max;trr 10ns max.
23	HM9H090	26		MON	45Ø				450m	-55	125	K15108i	TO86	4x10 Matrix;VF 1.5V max;trr 10ns max.
24	DH3725CN	26			50Ø%	.55#			600m	0	85	K272a	M126m	Quad NPN Core Driver;ton 18ns;toff 45ns.
25♦#	DN803T	26		MON	50Ø	70			500m	-55	125	K263a	M257d	16 arrays,tREC 5.0ns typ for Core Driver.
26	FSA2500M	26		MON	55Ø				400m	-55	150	K263	FP26f	16 Core Driver;Trr 10ns max at 200mA IF,IR
27	FSA2501M	26		MON	55Ø				400m	-55	150	K263a	M157	16 Core Driver;Trr10ns max at 200mA IF,IR
28	FSA2502M	26		MON	55Ø				400m	-55	150	K263b	TO100	16 Core Driver;Trr 10ns max at 200mA IF,IR
29	FSA2503M	26		MON	55Ø				400m	-55	150	K263j	M157	8 Core Driver;Trr 10ns max at 200mA IF,IR
30	FSA2504M	26		MON	55Ø				400m	-55	150	K263k	FP21h	8 Core Driver;Trr 10ns max at 200mA IF,IR
31#	BAX45	26		MON	60Ø				400m		175	K263h	CN6d	Core Driver;Trr 25ns max at 200mA IR,IF.
32#	BAX46	26		MON	60Ø				400m		175	K263g	CN70	Core Driver;Trr 25ns max at 200mA IR,IF.
33#	BAX47	26		MON	60Ø				400m		175	K263f	CN6d	Core Driver;Trr 25ns max at 200mA IR,IF.
34#	BAX48	26		MON	60Ø				400m		175	K263e	CN70	Core Driver;Trr 25ns max at 200mA IR,IF.
35#	BAX49	26		MON	60Ø				400m		175	K263d	CN57b	Core Driver;Trr 25ns max at 200mA IR,IF.
36#	BAX50	26		MON	60Ø				400m		175	K263c	CN57b	Core Driver; Trr 25ns max at 200mA IR,IF.
37#	BAX51	26		MON	60Ø				400m		175	K263b	CN57b	Core Driver;Trr 25ns max at 200mA IR,IF.
38#	BAX52	26		MON	60Ø				400m		175	K266	CN71	Bridge; Trr 25ns max at 200mA IR,IF.
39#	BAX53	26		MON	60Ø				400m		175	K266	CN70	Bridge;Trr 25ns max at 200mA IR,IF.
40#	BAX54	26		MON	60Ø				400m		175	K266	CN71	Ring Modulator;Trr 25ns max, 200mA IR,IF.
41#	BAX55	26		MON	60Ø				400m		175	K266	CN70	Ring Modulator;Trr 25ns max, 200mA IR,IF.
42#	BAX56	26		MON	60Ø				400m		175	K261ı	CN6d	2 Diode,Com-Cath;Trr4ns max;200mA IR,IF.
43#	BAX57	26		MON	60Ø				400m		175	K262j	CN6d	2 Diode;Com-Anode;Trr4ns max; 200mA IR,IF
44#	BAX58	26		MON	60Ø				400m		175	K261h	CN70	2 Diode;Com-Cath;Trr4ns max;200mA IR,IF.
45#	BAX59	26		MON	60Ø				400m		175	K262h	CN70	2 Diode;Com-Anode;Trr4ns max;200mA IR,IF.
46#	BAX60	26		MON	60Ø				400m		175	K261g	CN6d	3 Diode;Com-Cath;Trr4ns max;200mA IR,IF.
47#	BAX61	26		MON	60Ø				400m		175	K262g	CN6d	3 Diode;Com-Anode;Trr4ns max;200mA IR,IF.
48#	BAX62	26		MON	60Ø				400m		175	K261f	CN70	3 Diode;Com-Cath;Trr4ns max;200mA IR,IF.
49#	BAX63	26		MON	60Ø				400m		175	K262f	CN70	3 Diode;Com-Anode;Trr4ns max;200mA IR,IF.
50#	BAX64	26		MON	60Ø				400m		175	K262e	CN6d	4 Diode;Com-Anode;Trr4ns max;200mA IR,IF.
51#	BAX65	26		MON	60Ø				400m		175	K261e	CN6d	4 Diode;Com-Cath;Trr4ns max;200mA IR,IF.
52#	BAX66	26		MON	60Ø				400m		175	K262d	CN6d	5 Diode;Com-Anode;Trr4ns max;200mA IR,IF.
53#	BAX67	26		MON	60Ø				400m		175	K261d	CN6d	5 Diode;Com-Cath;Trr4ns max;200mA IR,IF
54#	BAX68	26		MON	60Ø				400m		175	K262c	CN6d	6 Diode;Com-Anode;Trr4ns max;200mA IR,IF.
55#	BAX69	26		MON	60Ø				400m		175	K261c	CN6d	6 Diode;Com-Cath;Trr4ns max;200mA IR,IF.
56#	BAX70	26		MON	60Ø				400m		175	K262b	CN6d	7 Diode;Com-Anode;Trr4ns max; 200mA IR,IF.
57#	BAX71	26		MON	60Ø				400m		175	K261b	CN6d	7 Diode;Com-Cath;Trr4ns max;200mA IR,IF.
58#	BAX72	26		MON	60Ø				400m		175	K262a	CN57b	8 Diode;Com-Anode;Trr4ns max;200mA IR,IF.
59#	BAX73	26		MON	60Ø				400m		175	K261a	CN57b	8 Diode;Com-Cath;Trr4ns max;200mA IR,IF.
60	TID21A	26		DCM	60Ø				500mt	-65	150	K261	TO89	8 arrays;tfREC 40ns;trREC 20ns.
61	TID23A	26		DCM	60Ø				500mt	-65	150	K262	TO89	8 arrays;tfREC 40ns;trREC 20ns.
62	TID25A	26		DCM	60Ø				500mt	-65	150	K263	TO89	16 arrays;tfREC 40ns;trREC 20ns.
63	TID29A	26		DCM	60Ø				500mt	-65	150	K263m	TO84	Dual-10 arrays;tfREC 40ns;trREC 20ns.
64	TID121	26		DCM	60Ø				600mt	-65	125	K261k	M117m	8 arrays;tfREC 40ns;trREC 20ns.
65	TID123	26		DCM	60Ø				600mt	-65	125	K262k	M117m	8 arrays;tfREC 40ns;trREC 20ns.
66	TID125	26		DCM	60Ø				600mt	-65	125	K263a	M117m	16 arrays;tfREC 40ns;trREC 20ns.
67	TID129	26		DCM	60Ø				600mt	-65	125	K263m	M117m	Dual-10 arrays;tfREC 40ns;trREC 20ns.
68	TID131	26		DCM	60Ø				500mt	-65	150	K263n	TO84	Dual-8 arrays;tfREC 40ns;trREC 20ns.
69	TID133	26		DCM	60Ø				600mt	-65	125	K263n	M117m	Dual-8 arrays;tfREC 40ns;trREC 20ns.
70	TID135N	26		MON	60Ø				600m	-65	125	K263p	M126e	16-Diode Array
71	TID139F	26		MON	60Ø				500m	-65	150	K2611	FP52f	7 Independent Diodes.
72	TID139N	26		MON	60Ø				600m	-65	125	K2611	M126e	7 Independent Diodes.
73	TID141F	26		MON	60Ø				500m	-65	150	K269a	TO89	Dual 4-Diode Array(Common Cathode).
74	TID141N	26		MON	60Ø				600m	-65	125	K269a	M126e	Dual 4-Diode Array(Common Cathode).
75	TID143F	26		MON	60Ø				500m	-65	150	K2610a	TO89	Dual 4-Diode Array(Common Anode).
76	TID143N	26		MON	60Ø				600m	-65	125	K2610b	M126e	Dual 4-Diode Array(Common Anode).
77	LO1	27		MOS			10	0.0	500m	0	75	K276	CN75	Vth 20mV;Input Res 100TΩ.
78	LO1M	27		MOS			10	0.0	500m	0	75	K276	CN75	Matched Characteristics 10mV;Vth 4.0mV.
79	LO3	27		MOS			10	0.0	500m	0	75	K276	CN75	Vth 20mV;Input Res 100TΩ.
80	LO3M	27		MOS			10	0.0	500m	0	75	K276	CN75	Matched Characteristics 10mV;Vth 4.0mV.
81♦	SN75308N	27		MON					800m	0	70	K274	M117x	2 by 4;tr 20ns;tf 10ns;td 16ns.
82	MPQ3725	27	250MØØ	MON					2.5	-55	150	K271	TO116	4 Core Driver;VCEO 40Vdc;ft at 50mAdc.
83	MPQ3303	27	400MØØ	MON					2.5	-55	150	K271	TO116	4 Core Driver;VCB 25Vdc;ft at IC 100mAdc.
84♦	SN75308J	27		MON		.80*#			800m	0	70	K274	M153d	2 by 4;tr 20ns;tf 10ns;td 16ns.
85▼	JANM38510/05301ACA	27		MOS	3.65%	85*	0.0	10	200m	-55	125	K15198	M314	CMS Dual Compl.Pair plus Inverter, FO7.
86▼	JANM38510/05301ADA	27		MOS	3.65%	.85*	0.0	10	200m	-55	125	K15198	FP93	CMS Dual Compl.Pair plus Inverter, FO7.
87	JANM38510/05301BCA	27		MOS	3.65%	.85*	0.0	10	200m	-55	125	K15198	M314	CMS Dual Compl.Pair Plus Inverter;FO7.
88	JANM38510/05301BDA	27		MOS	3.65%	85*	0.0	10	200m	-55	125	K15198	FP93	CMS Dual Compl.Pair Plus Inverter;FO7.
89	JANM38510/05301CCA	27		MOS	3.65%	.85*	0.0	10	200m	-55	125	K15198	M314	CMS Dual Compl Pair Plus Inverter;FO7.
90	JANM38510/05301CDA	27		MOS	3.65%	.85*	0.0	10	200m	-55	125	K15198	FP83	CMS Dual Compl.Pair Plus Inverter;FO7.
91	CD4007AD	27		MOS	10	0.0†	0.0	10	1.0u%	-55	125	K15198	Δ001AD	Dual Comp Pair and Inverter;tpd 40ns max.
92	CD4007AE	27		MOS	10	0.0†	0.0	10	10u%	-40	85	K15198	Δ001AB	Dual Comp Pair and Inverter;tpd 50ns max.
93	CD4007AK	27		MOS	10	0.0†	0.0	10	1.0u%	-55	125	K15198	Δ004AF	Dual Comp Pair and Inverter;tpd 40ns max.
94	CM4007AD	27		MOS	10	0.0†	0.0	10	200m	-55	125	K15198	M105av	Dual Compl.Pair plus inv;tpd 40ns max.
95	CM4007AE	27		MOS	10	0.0†	0.0	10	200m	-40	85	K15198	M105av	Dual Compl.Pair plus inv;tpd 50ns max.
96	SCL4007AD	27		MOS	10	0.0	0.0	10	1.0u	-55	125	K15198	Δ001AD	Dual Compl.Pair and Inverter;FO 50.
97	SCL4007AE	27		MOS	10	0.0	0.0	10	1.0u	-40	85	K15198	Δ001AB	Dual Compl.Pair and Inverter;FO 50.
98	SCL4007AF	27		MOS	10	0.0	0.0	10	1.0u	-55	125	K15198	Δ004AF	Dual Compl.Pair and Inverter;FO 50.
99	INS4007S	27	10M	MOS	10	0.0†	0.0	10	6.0u%	-55	125	K2714	M236b	CMS Dual Compl.Pair Plus Inv;tpd 8.0ns.
100	MPQ3546	27	600MØØ	MON	12Ø	.25#*			1.5	-55	125	K272	TO116	Quad;PNP;ton 15ns typ;toff 25ns typ.
101	MHQ3546	27	1.0GØ%	MON	12Ø	.25#			1.5	-65	200	K272	TO116	Quad;PNP Switching Trans.
102	HD1A4007-9	27	10M	MOS	15	0.0	0.0	15	200m	-40	85	K2714	TO116	2 Complementary Pair w/Inverters.
103	MPQ2369	27	450MØØ	MON	15Ø	.25#*			1.5	-55	125	K271	TO116	Quad;NPN;ton 9.0ns typ;toff 15ns typ.
104	MHQ2369	27	550MØ%	MON	15Ø	.25#			1.5	-65	200	K272a	TO116	Quad;NPN Switching Trans.

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	[5] TYPE No.	[1] USE	[4] MAX OPER-ATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL [2] '1' (V)	[3] '0' (V)	POWER SUPPLY SPAN NEG. (V)	POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	HI °C	DRAWINGS LOGIC DWG. No	OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1	SG3081J	27			16Ø	.70#			750m	-40	85	K2715	M105ap	7 NPN Trans w/Common Emitter.
2	SG3081N	27			16Ø	.70#			750m	-40	85	K2715	M117	7 NPN Trans w/Common Emitter.
3	SG3082J	27			16Ø	.70#			750m	-40	85	K2715a	M105ap	7 NPN Trans w/Common Collector.
4	SG3082N	27			16Ø	.70#			750m	-40	85	K2715a	M117	7 NPN Trans w/Common Collector.
5	ULN2031A	27		MOS	16Ø	1.5*	0.0	2.0	750m	0	85	K2712	M328	7 Darl.Pairs;hFE 500 min at Ic 20mA
6	ULN2032A	27		MOS	16Ø	1.5*	0.0	2.0	750m	0	85	K2713	M328	7 Darl.Pairs;hFE 50 min at Ic 20mA.
7	ULN2033A	27		MOS	16Ø	1.5*	0.0	2.0	750m	0	85	K2713	M328	7 Darl.Pairs,hFE 50 min at Ic 20mA.
8	HD1A4007-2	27	10M	MOS	18	0.0	0.0	18	200m	-55	125	K2714	TO116	2 Complementary Pair w/Inverters.
9	HT1A6502	27		MON	20Ø	.60#*			800m		200	K271	TO116	Quad 1 Amp NPN Core Drivers.
10♦	SN75303N	27		MON	25%Ø	.75*#	0.0	5.0	250m	0	70	K273	M117x	2 by 4;BVCBO 25V;trans.time 12ns max.
11	Q2T2222	27	250MØØ		30Ø	.40#	0.0	60	2.5	-55	150	K271	Δ001AA	Quad;BVCBO 60V;tr 12ns;tf 30ns.
12♦#	DN807	27		MON	30Ø	1 3			600m	0	75	K271	M257d	4 arrays,tpd 30ns for Core Driver
13	MHQ3467	27	190MØ%	MOS	40Ø	.23#			2.7	-55	200	K271a	TO116	Quad DIL PNP Si Memory Driver Trans.
14	MPQ3467	27	190MØ%	MOS	40Ø	.23#			1.5	-55	150	K271a	TO116	Quad DIL PNP Si Memory Driver Trans.
15	MHQ2221	27	200MØØ	MON	40Ø	.40#			1.9	-65	200	K271	TO116	Quad,NPN,ton 25ns typ,toff 250ns typ.
16	MHQ2222	27	200MØØ	MON	40Ø	.40#			1.9	-65	200	K271	TO116	Quad;NPN,ton 25ns typ;toff 250ns typ.
17	MHQ2906	27	200MØØ	MON	40Ø	.40#			1.9	-65	200	K272	TO116	Quad;PNP,ton 30ns typ;toff 100ns typ.
18	MHQ2907	27	200MØØ	MON	40Ø	.40#			1.9	-65	200	K272	M157a	Quad;PNP;ton 30ns typ;toff 100ns typ.
19	MPQ2221	27	200MØØ	MON	40Ø	.40#			1.9	-55	125	K271	TO116	Quad;NPN;ton 25ns typ;toff 250ns typ.
20	MPQ2222	27	200MØØ	MON	40Ø	.40#			1.9	-55	125	K271	TO116	Quad;NPN;ton 25ns typ;toff 250ns typ.
21	MPQ2906	27	200MØØ	MON	40Ø	.40#			1 9	-55	125	K272	TO116	Quad,PNP;ton 30ns typ;toff 100ns typ.
22	MPQ2907	27	200MØØ	MON	40Ø	.40#			1.9	-55	125	K272	TO116	Quad,PNP;ton 30ns typ;toff 100ns typ.
23	Q2T3725	27		MON	40Ø	52#			2.5	-55	150	K271	M126e	Quad NPN;hfe 2.5 min
24	HT1A6501	27		MON	40Ø	.90#*			800m		200	K271	TO116	Quad 1 Amp NPN Core Drivers.
25	HT1A6500	27		MON	50Ø	1.0#*			800m		200	K271	TO116	Quad 1 Amp NPN Core Drivers.
26	Q2T3244	27	175MØØ		-40Ø	-.30#	40	0.0	2.5	-55	150	K271a	Δ001AA	Quad;BVCBO -40V;tr 35na,tf 45ns.
27	Q2T2905	27	200MØØ		-40Ø	-.40#	6.0	0 0	2.5	-55	150	K271a	Δ001AA	Quad;BVCBO -60V;tr 40ns,tf 30ns.
28▼	AM25L05DC	28		MOS	2.0%	.70*	0.0	5.0	225m%	0	75	K285	M246	4 bit x 2 bit Complement Multiplier.
29▼	AM25L05DM	28		MOS	2.0%	70*	0.0	5.0	225m%	-55	125	K285	M246	4 bit x 2 bit Complement Multiplier.
30▼	AM25L05FM	28		MOS	2.0%	.70*	0.0	5.0	225m%	-55	125	K285	FP105	4 bit x 2 bit Complement Multiplier.
31▼	AM25L05PC	28		MOS	2.0%	70*	0.0	5.0	225m%	0	75	K285	M197a	4 bit x 2 bit Complement Multiplier.
32	9344DC	28			2.0%	80*	0.0	5.0	750m%	0	75	K15448	M199	Binary 4 Bit by 2 Bit;tpd 52ns max.
33	9344DM	28			2.0%	.80*	0.0	5.0	750m%	-55	125	K15448	M199	Binary 4 Bit by 2 Bit;tpd 52ns max.
34	9344FC	28		MON	2.0%	.80*	0.0	5.0	750m§	0	75	K15448	FP66a	Binary 4 Bit by 2 Bit;tpd 52ns max.
35	9344FM	28			2 0%	.80*	0 0	5.0	750m%	-55	125	K15448	FP66a	Binary 4 Bit by 2 Bit;tpd 52ns max.
36▼	AM25S05DC	28		MOS	2.0%	.80*	0.0	5.0	935m%	0	75	K286	M246	4 bit x 2 bit Complement Multiplier.
37▼	AM25S05DM	28		MOS	2 0%	.80*	0.0	5.0	935m%	-55	125	K286	M246	4 bit x 2 bit Complement Multiplier.
38▼	AM25S05FM	28		MOS	2.0%	.80*	0.0	5.0	935m%	-55	125	K286	FP105	4 Bit x 2 Bit Complement Multiplier.
39▼	AM25S05PC	28		MOS	2.0%	.80*	0.0	5.0	935m%	0	75	K286	M197a	4 bit x 2 bit Complement Multiplier.
40▼	AM25S10DC	28		MOS	2 0%	.80*	0.0	5.0	425m%	0	75	K287	M356	4 bit Shifter w/3 State Outputs.
41▼	AM25S10DM	28		MOS	2.0%	80*	0.0	5.0	425m%	-55	125	K287	M356	4 Bit Shifter w/3 State Outputs.
42▼	AM25S10FM	28		MOS	2.0%	.80*	0.0	5.0	425m%	-55	125	K287	FP79b	4 Bit Shifter w/3 State Outputs.
43▼	AM25S10PC	28		MOS	2.0%	.80*	0.0	5 0	425m%	0	75	K287	M357	4 bit Shifter w/3 State Outputs.
44▼	AM2505DC	28		MON	2.0%	80*	0.0	5 0	650m%	0	70	K288	M246	4x2 bit 2s Complement Multiplier.
45▼	AM2505DM	28		MON	2.0%	.80*	0.0	5.0	725m%	-55	125	K288	M246	4x2 bit 2s Complement Multiplier.
46▼	AM2505FM	28		MON	2.0%	80*	0.0	5.0	725m%	-55	125	K288	FP105	4x2 bit 2s Complement Multiplier.
47▼	AM2505PC	28		MON	2 0%	.80*	0.0	5 0	650m%	0	70	K288	M197a	4x2 bit 2s Complement Multiplier.
48	DM7875AD	28			2.0%	.80*	0.0	5.0	375m†	-55	125	K15473	M224b	4 bit;tpd 36ns;Vo 5.5V;Vi 5.5V.
49	DM7875AN	28			2.0%	.80*	0.0	5.0	375m†	-55	125	K15473	M117t	4 bit;tpd 36ns;Vo 5.5V;Vi 5.5V.
50	DM7875BD	28			2.0%	.80*	0.0	5.0	375m†	-55	125	K15473	M224b	4 bit;tpd 36ns;Vo 5.5V;Vi 5.5V.
51	DM7875BN	28			2.0%	.80*	0.0	5.0	375m†	-55	125	K15473	M117t	4 bit;tpd 36ns;Vo 5.5V;Vi 5.5V.
52	DM8875AD	28			2.0%	80*	0.0	5.0	375m†	0	70	K15473	M224b	4 bit;tpd 36ns;Vo 5.5V;Vi 5.5V.
53	DM8875AN	28			2.0%	.80*	0.0	5.0	375m†	0	70	K15473	M117t	4 bit;tpd 36ns;Vo 5 5V;Vi 5 5V
54	DM8875BD	28			2.0%	.80*	0.0	5.0	375m†	0	70	K15473	M224b	4 bit;tpd 36ns;Vo 5.5V;Vi 5.5V.
55	DM8875BN	28			2.0%	.80*	0.0	5 0	375m†	0	70	K15473	M117t	4 bit;tpd 36ns;Vo 5.5V;Vi 5.5V.
56#	FJB9344	28		MON	2 0%	.80*	0.0	5.0	750m%	0	70	K15448	M186b	Binary Full Multiplier;tpd 52ns max.
57▼	SN74S274N	28		MON	2.0%	80*	0.0	5.0	525m†	0	70	K2811		4-Bit-By-4-Bit/w 3-State Output.
58▼	SN54284J	28		MON	2.0%	.80*	0.0	5.0	460m%	-55	125	K2810	M153d	4-Bit-by-4-Bit Parallel;tpd 60ns.
59▼	SN54284W	28		MON	2.0%	80*	0.0	5.0	460m%	-55	125	K2810	Δ004AG	4-Bit-by-4-Bit Parallel;tpd 60ns.
60▼	SN54285J	28		MON	2.0%	.80*	0.0	5.0	460m%	-55	125	K2810a	M153d	4-Bit-by-4-Bit Parallel;tpd 60ns.
61▼	SN54285W	28		MON	2 0%	.80*	0.0	5.0	460m%	-55	125	K2810a	M117x	4-Bit-by-4-Bit Parallel;tpd 60ns.
62▼	SN74284J	28		MON	2 0%	.80*	0.0	5.0	460m%	0	70	K2810	M153d	4-Bit-by-4-Bit Parallel;tpd 60ns.
63▼	SN74284N	28		MON	2.0%	.80*	0.0	5.0	460m%	0	70	K2810	Δ004AG	4-Bit-by-4-Bit Parallel;tpd 60ns.
64▼	SN74285J	28		MON	2.0%	.80*	0.0	5.0	460m%	0	70	K2810a	M153d	4-Bit-by-4-Bit Parallel;tpd 60ns
65▼	SN74285N	28		MON	2.0%	.80*	0.0	5.0	460m%	0	70	K2810a	M117x	4-Bit-by-4-Bit Parallel;tpd 60ns.
66▼	SN5497J	28	32MΔ%	MON	2.0%	.80*	0.0	5.0	400m†	-55	125		M153d	Synchronous 6 Bit;tpd 20ns typ.
67▼	SN5497W	28	32MΔ%	MON	2.0%	.80*	0.0	5.0	400m†	-55	125		Δ004AG	Synchronous 6 Bit;tpd 20ns typ.
68▼	SN7497J	28	32MΔ%	MON	2 0%	.80*	0.0	5.0	400m†	0	70		M153d	Synchronous 6 Bit;tpd 20ns typ.
69▼	SN7497N	28	32MΔ%	MON	2.0%	.80*	0.0	5.0	400m†	0	70		M117x	Synchronous 6 Bit;tpd 20ns typ.
70	MC14554AL	28		MOS	9.99%	.01*†	0.0	10	100m%	-55	125	K284	M191	2-Bitx2-Bit Parallel Binary Multiplier.
71	MC14554CL	28		MOS	9.99%	.01*†	0.0	10	1.0m%	-40	85	K284	M191	2-Bitx2-Bit Parallel Binary Multiplier.
72	MC14554CP	28		MOS	9 99%	01*†	0.0	10	1 0m%	-40	85	K284	M278	2-Bitx2-Bit Parallel Binary Multiplier
73♦	MC14527AL	28	4.5MΔ%	MOS	9.99%	.01*†	0.0	10	1.0u%	-55	125	K281	M191	BCD Rate Multiplier.
74	MC14527CL	28	4.5MΔ%	MOS	9.99%	.01*†	0 0	10	1.0m%	-40	85	K281	M191	BCD Rate Multiplier.
75	MC14527CP	28	4.5MΔ%	MOS	9.99%	.01*†	0 0	10	1 0m%	-40	85	K281	M278	BCD Rate Multiplier
76#	FLJ331-7497	29	32M%Δ	MON	2 0%	.80*	0.0	5.0	600m§	0	70	E0277	M117w	Programmable 6-Bit;Max Rate 63;tpd39ns max
77#	FLJ471-74167	29	32M%Δ	MON	2.0%	.80*	0.0	5.0	495m§	0	70	K283	M117w	Programmable Decimal;tpd 39ns max.
78▼	SN54167J	29	32MΔ%	TTL	2.0%	.80*	0 0	5 0	325m†	-55	125		M153d	Synchronous Decade;tpd 32ns typ.
79▼	SN54167W	29	32MΔ%	TTL	2.0%	.80*	0.0	5 0	325m†	-55	125		Δ004AG	Synchronous Decade;tpd 32ns typ.
80▼	SN74167J	29	32MΔ%	TTL	2 0%	80*	0.0	5 0	325m†	0	70		M153d	Synchronous Decade,tpd 32ns typ.
81▼	SN74167N	29	32MΔ%	TTL	2.0%	.80*	0.0	5.0	325m†	0	70		M117x	Synchronous Decade;tpd 32ns typ.
82#	TL7497N	29	32M†%	MON	2.0%	.80*	0.0	5 0	362m†	0	70	K282	M117u	6 Bit,tpd 39ns max.
83#	TL74167N	29	32M†%	MON	2.0%	80*	0.0	5.0	283m†	0	75	K283	M117u	Decade Multiplier;tpd 39ns max.
84♦#	FJH441	30		MON			0.0	5.0	10mΔ	0	75	K3019		Multiplexer;tpd 13ns.
85♦#	GTB74S151	30		MON			0.0	5.0	37mΔ	0	70	K3019		Multiplexer,tpd 3.0ns.
86♦#	GTB74S153	30		MON			0.0	5 0	37mΔ	0	70	K3023		Double Multiplexer;tpd 3.0ns
87♦#	GTB74S157	30		MON			0.0	5.0	37mΔ	0	70	K3024		Quadruple Multiplexer;tpd 3.0ns.
88♦	MC1238L	30		MON			5.2	0 0	150m	-55	125	K3039	TO116	8 Channel Data Selector.
89♦	MC8267F	30		MON			0.0	5 0		-55	125	K3040	TO85	2-Input;4-Bit Data Sel.(Open Collector).
90♦	MC8267L	30		MON			0.0	5.0		-55	125	K3040	M191	2-Input;4-Bit Data Sel.(Open Collector).
91♦	MMUX1	30		3DM			15	15		-55	85		M175	8 channel multiplexer;Acc.01%;Gain .999.
92♦	MMUX3	30		3DM			15	15		0	50		M175	8 channel multiplexer;Acc.01%;Gain .999.
93♦	MU6-2281	30								-65	125	K3035	M171	MTNS 10 Channel Multiplexer
94♦	MX02D	30		MOS			30	30	200m	-55	125		TO87	6 Channel Multiplexer
95♦	MX03C	30		MOS			30	.30	200m	-55	125		FP34	10 Channel Multiplexer
96♦	MX52D	30		MOS			15	0.0	475m	-55	150	K3064	TO87	6 Channel Multiplexer;Vth -6.0V max.
97♦	MX53C	30		MOS			15	0.0	635m	-55	150	K3065	FP81	10 Channel Multiplexer,Vth -6.0V max.
98♦	VMUX	30		3DM			15	15	1.6 †	-55	85	K3070	FP95	Video Freq.Multiplexer;BW 15MHz min.
99♦	770-731	30	200k	3DM			0.0	22		0	50		MØ	10 Channel Mx w/Level Converter.
100♦	MUX201	30	750k	3DM			15	15	45m%	0	70	K3073	M309	8 Channel Multiplexer.
101♦	MUX201MIL	30	750k	3DM			15	15	45m%	-55	125	K3073	M309	8 Channel Multiplexer.
102♦	MC14529AL	30	10M%	MOS			0 0	10	250n%	-55	125	K3075	M191	Dual 4-Channel/8-Channel Analog Sel
103♦	MC14529CL	30	10M%	MOS			0.0	10	250n%	-40	85	K3075	M191	Dual 4-Channel Or An 8-Channel Analog Sel
104♦	MC14529CP	30	10M%	MOS			0 0	10	250n%	-40	85	K3075	M278	Dual 4-Channel Or An 8-Channel Analog Sel.
105♦	MC9701P	30	18M%	MON			0.0	3.6	100m†	15	55	K3076	M278	Dual 4-Channel Data Selector;RTL;tpd 25ns
106♦	MC9801P	30	18M%	MON			0 0	3.6	100m†	0	75	K3076	M278	Dual 4-Channel Data Selector;RTL;tpd 25ns.
107♦	N8234B	30		MON		40†*	0.0	5.0	210m	0	75	K3046	M256	2 Input,4 bit Digital Multiplexer.
108♦	N8234E	30		MON		40†*	0.0	5 0	210m	0	75	K3046	M153a	2 Input,4 bit Digital Multiplexer
109♦	N8234R	30		MON		.40†*	0 0	5.0	210m	0	75	K3046	FP79a	2 Input,4 bit Digital Multiplexer.
110♦	N8235B	30		MON		.40†*	0 0	5.0	310m	0	75	K3047	M256	2 Input;4 bit Digital Multiplexer.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1♦	N8235E	30		MON		.40†*	0 0	5.0	310m	0	75	K3047	M153a	2 Input;4 bit Digital Multiplexer.
2♦	N8235R	30		MON		.40†*	0.0	5.0	310m	0	75	K3047	FP79a	2 Input;4 bit Digital Multiplexer.
3♦	S8234B	30		MON		.40†*	0.0	5.0	210m	-55	125	K3046	M256	2 Input;4 bit Digital Multiplexer.
4♦	S8234E	30		MON		.40†*	0.0	5.0	210m	-55	125	K3046	M153a	2 Input;4 bit Digital Multiplexer.
5♦	S8234R	30		MON		40†*	0 0	5 0	210m	-55	125	K3046	FP79a	2 Input;4 Bit Digital Multiplexer.
6♦	S8235B	30		MON		.40†*	0.0	5.0	310m	-55	125	K3047	M256	2 Input;4 bit Digital Multiplexer.
7♦	S8235E	30		MON		40†*	0.0	5.0	310m	-55	125	K3047	M153a	2 Input;4 bit Digital Multiplexer.
8♦	S8235R	30		MON		.40†*	0.0	5.0	310m	-55	125	K3047	FP79a	2 Input;4 bit Digital Multiplexer.
9♦	MC4043F	30				.50*†	0.0	5.0	70m†	0	75	K3032	TO86	Dual line selector
10♦	MC4043L,P%	30				.50*†	0.0	5.0	70m†	0	75	K3032	TO116	Dual Line Selector.
11▼	SN54LS153W	30				.60*			31m†			K308	Δ004AG	Dual 4-Line-to-1-Line Data Sel/Multiplexer
12▼	SN74LS153W	30				.80*			31m†			K308	Δ004AG	Dual 4-Line-to-1-Line Data Sel/Multiplexer
13♦	MC1028P	30		MON	-.85%	-1.5*†	5.2	0.0	170m†	0	75	K3038	M278	Dual 4Channel Data Selector.
14♦	MC1038P	30		MON	-.85%	-1.5*†	5.2	0.0	150m†	0	75	K3039	TO116	8 Channel Data Selector.
15♦	MC1228F	30		MON	-.85%	-1.5*†	5.2	0.0	170m†	-55	125	K3038	FP85	Dual 4Channel Data Selector.
16♦	MC1228L	30		MON	-.85%	-1.5*†	5.2	0.0	170m†	-55	125	K3038	M191	Dual 4Channel Data Selector.
17♦	MC1238F	30		MON	-.85%	-1.5*†	5.2	0.0	150m†	-55	125	K3039	TO86	8Channel Data Selector
18▼#	GXB10132	30		MON	-.88	-1.7†	5.2	0.0		0	75	K3042	M200f	Dual w/Latch and Common Reset;tpd 2.0ns.
19♦#	GXB10164	30		MON	-.88	-1.7†	5.2	0.0	310m†	0	75	K303	M200n	ECL,8 Input Multiplexer.
20▼#	GXB10174	30		MON	-.88	-1.7†	5.2	0.0		0	75	K3043	M200f	Dual 4 to 1,tpd 2.0ns average.
21▼	MC10564F	30		MON	-.93%	-1.6*†	5.2	0.0	310m†	-55	125	K303	FP85	8-Line Multiplexer;tpd 3.0nsf.
22♦	MC10564L	30		MON	-.93%	-1.6*†	5.2	0.0	310m†	-55	125	K303	M191	8-Line Multiplexer;tpd 3.0nsf.
23♦	MC10574F	30		MON	-.93%	-1.6*†	5.2	0.0	305m†	-55	125	K3043a	FP85	Dual 4 to 1 Multiplexer.
24♦	MC10574L	30		MON	-.93%	-1.6*†	5.2	0.0	305m†	-55	125	K3043	M191	Dual 4 to 1 Multiplexer.
25♦	MC10132L	30		MON	-.96%	-1.6*†	5.2	0.0		-30	85	K3042	M191	Dual Multiplexer w/Latch and Common Reset.
26▼	MC10134L	30		MON	-.96%	-1.6*†	5.2	0.0	225m†	-30	85	K301	M191	Dual Multiplexer w/Latch.
27▼	MC10134P	30		MON	-.96%	-1.6*†	5.2	0.0	225m†	-30	85	K301	M278	Dual Multiplexer w/Latch.
28♦	MC10164L	30		MON	-.96%	-1.6*†	5.2	0.0	310m†	-30	85	K303	M191	8-Line Multiplexer.
29♦	MC10164P	30		MON	-.96%	-1.6*†	5.2	0.0	310m†	-30	85	K303	M278	8-Line Multiplexer.
30▼	MC10173L	30		MON	-.96%	-1.6*†	5.2	0.0	275m†	-30	85	K302	M191	Quad 2 Input Multiplexer/Latch.
31▼	MC10173P	30		MON	-.96%	-1.6*†	5.2	0.0	275m†	-30	85	K302	M278	Quad 2 Input Multiplexer/Latch
32♦	MC10174L	30		MON	-.96%	-1.6*†	5.2	0.0	305m†	-30	85	K3043	M191	Dual 4 to 1 Multiplexer.
33♦#	MIC9322-1D	30		MON	1.7%	.90*	0.0	5.0	215m	-55	125	K3011	M153a	Quad Multiplexer.
34♦#	T163D2	30	20M%	MON	1.7%	.90*	0.0	7.0	215m	-55	125	K3013	M153a	8 Input Multiplexer.
35♦	T220	30	20M	PCB	1 7	90	0.0	5 0	600m	0	70		CB☐	8 Input Multiplexer.
36♦	T222	30	20M	PCB	1 7	.90	0.0	5.0	645m	0	70		CB☐	Quad 2 Input Multiplexer.
37♦	93L09FC	30	5 0M%	MON	1.8%	.75*	0.0	5.0	55m	0	75	K3010	FP47b	Low Power;Dual 4 Input Multiplexer.
38♦	93L12FC	30	5.0M%	MON	1.8%	.75*	0.0	5.0	62m	0	75	K305k	FP47b	Low Power;8 Input Multiplexer.
39♦	93L22FC	30	5.0M%	MON	1.8%	.75*	0.0	5.0	62m	0	75	K3011	FP47b	Low Power;Quad 2 Input Multiplexer.
40♦#	MIC9322-5D	30		MON	1 8%	.85*	0.0	5 0	225m	0	75	K3011	M153a	Quad Multiplexer.
41♦	9309FC	30	20M%	MON	1 8%	.85*	0.0	5.0	200m	0	75	K3010	FP47a	Dual 4 Input Multiplexer.
42♦	9312FC	30	20M%	MON	1.8%	85*	0.0	5.0	215m	0	75	K3013	FP47a	8 Input Multiplexer.
43♦	9322FC	30	20M%	MON	1 8%	85*	0.0	5.0	225m	0	75	K3011	FP47b	Quad 2 Input Multiplexer.
44♦#	T163B1	30	20M%	MON	1 8%	85*	0 0	7 0	215m	0	75	K3013	M117b	8 Input Multiplexer.
45♦#	T163D1	30	20M%	MON	1.8%	85*	0.0	7.0	215m	0	75	K3013	M153a	8 Input Multiplexer.
46♦#	T164B1	30		MON	1.9%	85	0.0	5.0	215m%	0	75	K3010	M267	Dual 4 Input Multiplexer;tpd 32ns max.
47♦#	T164D1	30		MON	1.9%	.85*	0.0	5.0	215m%	0	75	K3010	M200c	Dual 4 Input Multiplexer;tpd 32ns max.
48♦	6470	30		PCB	2 0%	.45*	15	15	1.3	0	70	K3067	CB62	10 Channel Analog Multiplexer.
49♦	HS9P1000	30		MON	2.0%	.50*	15	5.0	200m†	-55	125	K3030	FP100	16 Chan Analog;R(on)500Ω;Access 500ns.
50▼	SN54LS151J	30		MON	2.0%	.60*	0.0	5 0	30m†	-55	125	K3079a	M153d	Data Selectors/Multiplexers.
51▼	SN54LS151N	30		MON	2.0%	.60*	0.0	5.0	30m†	-55	125	K3079a	M117x	Data Selectors/Multiplexers.
52▼	SN54LS151W	30		MON	2.0%	.60*	0.0	5.0	30m†	-55	125	K3079a	Δ004AG	Data Selectors/Multiplexers.
53▼	SN54LS152W	30		MON	2.0%	.60*	0 0	5.0	28m†	-55	125	K3080a	Δ004AA	Data Selectors/Multiplexers.
54♦	SN54LS153J	30		MON	2.0%	60*	0.0	5 0	31m†	-55	125	K308	M153d	Dual 4-Line-to-1-Line Data Sel/Multiplexer
55♦	SN54LS153N	30		MON	2.0%	60*	0 0	5 0	31m†	-55	125	K308	M117x	Dual 4-Line-to-1-Line Data Sel/Multiplexer
56♦	SN54LS253J	30		MON	2.0%	.60*	0.0	5.0	35m†	-55	125	K3012	M153d	Dual 4-Line-to-1-Line Data Sel/Multiplexer
57♦	SN54LS253N	30		MON	2.0%	.60*	0.0	5.0	35m†	-55	125	K3012	M117x	Dual 4-Line-to-1-Line Data Sel/Multiplexer
58▼	SN54LS253W	30		MON	2 0%	.60*	0.0	5.0	35m†	-55	125	K3012	Δ004AG	Dual 4-Line-to-1-Line Data Sel/Multiplexer
59▼	93L09PC	30		MON	2.0%	70*	0 0	5.0	57m%	0	75	K3010	M357	Dual 4 Input;tpd 70ns max.
60▼	93L12PC	30		MON	2.0%	.70*	0.0	5.0	45m†	0	75	K3013	M357	8 Input;lo 30mA max;tpd 110ns max.
61▼	93L22PC	30		MON	2 0%	.70*	0.0	5 0	45m†	0	75	K3011	M357	Quad 2 Input;lo 30mA max;tpd 49ns max.
62♦	DM71L22F	30			2 0%	.70*	0.0	5.0	20m	-55	125	K3011	FP88	Quad 2inp Multiplexer;tpd 140ns max.
63♦	DM71L22J	30			2 0%	70*	0.0	5 0	20m	-55	125	K3011	M200e	Quad 2inp Multiplexer;tpd 140ns max.
64♦	DM71L22N	30			2 0%	.70*	0.0	5.0	20m	-55	125	K3011	M117t	Quad 2inp Multiplexer;tpd 140ns max.
65♦	DM71L23F	30			2.0%	.70*	0.0	5.0	26m	-55	125	K3034	FP88	Quad 2inp Multiplexer;tpd 140ns max.
66♦	DM71L23J	30			2 0%	70*	0.0	5.0	26m	-55	125	K3034	M200e	Quad 2inp Multiplexer;tpd 140ns max.
67♦	DM71L23N	30			2 0%	70*	0 0	5 0	26m	-55	125	K3034	M117t	Quad 2inp Multiplexer;tpd 140ns max.
68♦	DM81L22F	30			2 0%	70*	0 0	5 0	20m	0	70	K3011	FP88	Quad 2inp Multiplexer;tpd 140ns max.
69♦	DM81L22J	30			2.0%	.70*	0.0	5.0	20m	0	70	K3011	M200e	Quad 2inp Multiplexer;tpd 140ns max.
70♦	DM81L22N	30			2.0%	.70*	0.0	5 0	20m	0	70	K3011	M117t	Quad 2inp Multiplexer;tpd 140ns max.
71♦	DM81L23F	30			2.0%	.70*	0.0	5 0	26m	0	70	K3034	FP88	Quad 2inp Multiplexer;tpd 140ns max.
72♦	DM81L23J	30			2 0%	.70*	0.0	5.0	26m	0	70	K3034	M200e	Quad 2inp Multiplexer;tpd 140ns max.
73♦	DM81L23N	30			2 0%	.70*	0 0	5.0	26m	0	70	K3034	M117t	Quad 2inp Multiplexer;tpd 140ns max.
74♦#	FJB93L09	30		MON	2 0%	70*	0.0	5 0	40m†	0	70	K3010	M210a	Dual 4 Input Multiplexer;tpd 48ns.
75♦#	FJB93L12	30		MON	2.0%	.70*	0.0	5.0	45m†	0	70	K3013	M210a	8 Input Multiplexer;tpd 80ns.
76♦#	FJB93L22	30		MON	2.0%	.70*	0.0	5.0	45m†	0	70	K3021	M210a	Quad 2 Input Multiplexer;tpd 44ns.
77▼	SN54LS251J	30		MON	2 0%	.70*	0.0	5.0	35m%	-55	125	K30	M153d	Data Sel/Multiplexer w/3-State Output.
78▼	SN54LS251N	30		MON	2.0%	70*	0.0	5 0	35m%	-55	125	K30	M117x	Data Sel/Multiplexer w/3-State Output.
79▼	SN54LS251W	30		MON	2.0%	70*	0.0	5.0	35m%	-55	125	K30	Δ004AG	Data Sel/Multiplexer w/3-State Output.
80♦	93L09DC	30	5.0M%	MON	2.0%	.70*	0.0	5 0	57m%	0	75	K3010	M224c	Dual 4 Input;tpd 70ns max.
81♦	93L12DC	30	5.0M%	MON	2.0%	70*	0 0	5.0	45m†	0	75	K3013	M224c	8 Input,lo 30mA max;tpd 110ns max.
82♦	93L22DC	30	5.0M%	MON	2 0%	.70*	0.0	5.0	45m†	0	75	K3011	M224c	Quad 2 Input;lo 30mA max;tpd 49ns max.
83♦	93L09DM	30	7.0M%	MON	2 0%	.70*	0.0	5.0	57m%	-55	125	K3010	M224c	Dual 4 Input;tpd 70ns max.
84♦	93L09FM	30	7.0M%	MON	2 0%	70*	0.0	5.0	57m%	-55	125	K3010	FP79b	Dual 4 Input;tpd 70ns max.
85♦	93L12DM	30	7 0M%	MON	2 0%	70*	0.0	5 0	45m†	-55	125	K3013	M224c	8 Input;lo 30mA max;tpd 110ns max.
86♦	93L12FM	30	7 0M%	MON	2.0%	.70*	0 0	5 0	45m†	-55	125	K3013	FP79b	8 Input;lo 30mA max;tpd 110ns max.
87♦	93L22DM	30	7.0M%	MON	2.0%	.70*	0.0	5.0	45m†	-55	125	K3011	M224c	Quad 2 Input;lo 30mA max;tpd 49ns max.
88♦	93L22FM	30	7.0M%	MON	2.0%	70*	0.0	5.0	45m†	-55	125	K3011	FP79b	Quad 2 Input;lo 30mA max;tpd 49ns max.
89♦	SN54L98J	30	30MΔØ	MON	2 0%	.70*	0.0	5.0	25m†	-55	125	K3026	M153	4 Bit Data Selectors/Storage Registers
90♦	SN54L98N	30	30MΔØ	MON	2.0%	.70*	0.0	5.0	25m†	-55	125	K3026	M117x	4-Bit Data Selector/Storage Registers.
91♦	SN74L98J	30	30MΔØ	MON	2 0%	.70*	0 0	5.0	25m†	0	70	K3026	M153d	4-Bit Data Selectors/Storage Registers.
92♦	SN74L98N	30	30MΔØ	MON	2.0%	.70*	0 0	5 0	25m†	0	70	K3026	M117x	4-Bit Data Selectors/Storage Registers.
93▼	9309PC	30		MON	2.0%	80*	0.0	5.0	220m%	0	75	K3010	M357	Dual 4 Input;lo 30mA max;tpd 32ns max.
94▼	9312PC	30		MON	2 0%	.80*	0 0	5 0	220m%	0	75	K3013	M357	8 Input;lo 30mA max;tpd 34ns max.
95♦	9313DC	30			2 0%	.80*	0 0	5 0	235m%	0	75	K305k	M200	8 Input Multiplexer;tpd 45ns max.
96♦	9313DM	30			2.0%	.80*	0.0	5.0	235m%	-55	125	K305k	M200	8 Input Multiplexer;tpd 40ns max.
97♦	9313FC	30		MON	2 0%	80*	0.0	5.0	235m§	0	75	K305k	FP47b	8 Input Multiplexer;tpd 45ns max.
98♦	9313FM	30			2 0%	80*	0.0	5.0	235m%	-55	125	K305k	FP47b	8 Input Multiplexer;tpd 40ns max.
99▼	9322PC	30		MON	2.0%	.80*	0.0	5.0	235m%	0	75	K3011	M357	2 Input;lo 30mA max;tpd 31ns max.
100♦	93150DC	30		MON	2 0%	.80*	0.0	5.0	200m†	0	70	K307	M199	16 Input Multiplexer.
101♦	93150DM	30		MON	2 0%	.80*	0.0	5.0	200m†	-55	125	K307	M199	16 Input Multiplexer.
102♦	93150FC	30		MON	2 0%	80*	0 0	5.0	200m†	0	70	K307	FP66a	16 Input Multiplexer.
103♦	93150FM	30		MON	2.0%	.80*	0.0	5 0	200m†	-55	125	K307	FP66a	16 Input Multiplexer.
104♦	93151DC	30		MON	2 0%	.80*	0.0	5.0	145m†	0	70	K3019	M200	8 Input Multiplexer
105♦	93151DM	30		MON	2 0%	.80*	0.0	5.0	145m†	-55	125	K3019	M200	8 Input Multiplexer.
106♦	93151FC	30		MON	2 0%	80*	0 0	5.0	145m†	0	70	K3019	FP47b	8 Input Multiplexer.
107♦	93151FM	30		MON	2 0%	80*	0 0	5.0	145m†	-55	125	K3019	FP47b	8 Input Multiplexer.
108♦	93152DC	30		MON	2 0%	80*	0.0	5.0	130m†	0	70	K3037	M105ad	8 Input Multiplexer
109♦	93152DM	30		MON	2.0%	80*	0.0	5.0	130m†	-55	125	K3037	M105ad	8 Input Multiplexer.
110♦	93152FC	30		MON	2 0%	80*	0 0	5.0	130m†	0	70	K3037	FP52d	8 Input Multiplexer.

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	[5] TYPE No.	[1] USE	[4] MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL [2] '1' (V)	LOGIC LEVEL [3] '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1♦	93152FM	30		MON	2.0%	.80*	0 0	5.0	130mt	-55	125	K3037	FP52d	8 Input Multiplexer.
2♦	93153DC	30		MON	2.0%	.80*	0.0	5.0	180mt	0	70	K308	M200	Dual 4 Input Data Selector/Multiplexer.
3♦	93153DM	30		MON	2.0%	.80*	0.0	5.0	180mt	-55	125	K308	M200	Dual 4 Input Data Selector/Multiplexer.
4♦	93153FC	30		MON	2.0%	.80*	0 0	5 0	180mt	0	70	K308	FP47b	Dual 4 Input Data Selector/Multiplexer.
5♦	93153FM	30		MON	2.0%	.80*	0.0	5.0	180mt	-55	125	K308	FP47b	Dual 4 Input Data Selector/Multiplexer.
6♦	DG506AR	30		MOS	2.0	.80	15	15	1.2	-55	125	K305c	Δ015AH	16-Chan.Mulitplexer;ton 1.5us;toff 1.0us.
7♦	DG506BR	30		MOS	2.0	.80	15	15	1.2	-20	85	K305c	Δ015AH	16-Chan.Multiplexer;ton 1.5us;toff 1.0us.
8♦	DG507AR	30		MOS	2 0	.80	15	15	1.2	-55	125	K305n	Δ015AH	8-Chan.Diff Mux;ton 1.5us;toff 1.0us.
9♦	DG507BR	30		MOS	2.0	.80	15	15	1.2	-20	85	K305n	Δ015AH	8-Chan.Diff.Mux.;ton 1.5us;toff 1.0us.
10♦	DG508AP	30		MOS	2.0	80	15	15	1.2	-55	125	K3057	TO116	CMS 8-Chan Multipl;ton1.5usmax;toff1.0us.
11♦	DG508BP	30		MOS	2.0	.80	15	15	1.2	-55	125	K3057	TO116	CMS 8-Chan Multipl;ton800ns;toff 300ns.
12♦	DG508CJ	30		MOS	2.0	.80	15	15	470m	0	70	K3057	TO116	CMS 8-Chan Multiplexer;ton800ns;toff300ns
13♦	DG509AP	30		MOS	2 0	.80	15	15	1.2	-55	125	K3058	TO116	CMS 4-Chan Diff.Multipl;ton1.5us max.
14♦	DG509BP	30		MOS	2.0	80	15	15	1.2	-55	125	K3058	TO116	CMS 4-Chan.Diff Multipl;ton800ns;toff300ns
15♦	DG509CJ	30		MOS	2.0	.80	15	15	470m	0	70	K3058	TO116	CMS 4-Chan Diff.Multipl;ton800ns;toff300ns
16♦	DG511AP	30		MOS	2 0	.80	20	10	1.2	-55	125	K305p	TO116	4-Chan.Diff.Ana.Mux;ton 1.2us;toff 400ns.
17♦	DG511BP	30		MOS	2.0	.80	20	10	1.2	-20	85	K305p	TO116	4-Chan.Diff.Ana.Mux.;ton 1.4us;toff 400ns
18♦	DM7121J	30			2.0%	.80*	0.0	5.0	150mt	-55	125	K305h	M224b	8 Channel Multiplexer;tpd 15ns.
19♦	DM7121N	30			2.0%	.80*	0.0	5.0	150mt	-55	125	K305h	M117t	8 Channel Multiplexer;tpd 15ns
20♦	DM8121J	30			2.0%	.80*	0.0	5.0	150mt	0	70	K305h	M224b	8 Channel Multiplexer;tpd 15ns.
21♦#	FJB9309	30		MON	2 0%	.80*	0.0	5.0	220m%	0	70	K3010	M210a	Dual 4 Input Multiplexer;tpd 36ns max.
22♦#	FJB9312	30		MON	2.0%	.80*	0.0	5.0	220m%	0	70	K3013	M210a	8 Input Multiplexer;tpd 36ns max.
23♦#	FJB9313	30		MON	2.0%	.80*	0.0	5.0	235mt	0	70	K3013a	M210a	8 Input Multiplexer;tpd 45ns max
24♦#	FJB9322	30		MON	2.0%	.80*	0.0	5.0	235m%	0	70	K3011	M210a	Quad 2 Input Multiplexer;tpd 31ns max.
25♦#	FJB93150	30		MON	2.0%	.80*	0.0	5.0	340m%	0	70	K307	M186b	16 Bit Multiplexer;lo 30mA;tpd 52ns max.
26♦#	FJH351	30		MON	2.0%	.80*	0.0	5.0	135mt	0	75	K3022	M117v	Multiplexer;tpd 36ns max.
27♦#	FJH391	30			2.0%	.80*	0.0	5.0	150mt	0	70	K3011	M117v	Multiplexer;tpd 20ns;Noise Rej 400mV min.
28♦#	FJH401	30			2.0%	80*	0.0	5.0	150mt	0	70	K3020	M117v	Multiplexer;tpd 32ns,Noise Rej 400mV min.
29▼#	FJH491	30		MON	2.0%	.80*	0.0	5.0	125mt	0	70	K3094	M117u	Dual Demultiplexer;tpd32ns max;FO 20 max
30▼#	FJH521	30		MON	2.0%	.80*	0.0	5.0	200mt	0	70	K307	M200f	16 Line to 1 Multiplexer. .
31▼#	FJH531	30		MON	2.0%	.80*	0.0	5 0	170mt	0	70	K308	M200f	Dual 4 Line to 1 Line Data Selector/Mult.
32▼#	FJH541	30		MON	2 0%	.80*	0.0	5 0	150m%	0	70	K309	M200f	Quad 2 Line to 1 Line Data Selector/Mult.
33♦#	FLY111-74150	30		MON	2.0%	.80*	0.0	5.0	340mś	0	70	K307	M186	16 Line to 1 Line Multiplexer.
34♦#	FLY115-84150	30		MON	2.0%	.80*	0.0	5.0	340mś	-25	85	K307	M186	16 Line to 1 Line Multiplexer.
35♦#	FLY121-74151	30		MON	2.0%	.80*	0.0	5.0	240mś	0	70	K305h	M117	8 Line to 1 Line Multiplexer.
36♦#	FLY125-84151	30		MON	2.0%	.80*	0.0	5.0	240mś	-25	85	K305h	M117	8 Line to 1 Line Multiplexer.
37♦#	FLY131-74153	30		MON	2.0%	.80*	0.0	5.0	300mś	0	70	K308	M117	Dual 4 Line to 1 Line Multiplexer.
38♦#	FLY135-84153	30		MON	2.0%	.80*	0.0	5.0	300mś	-25	85	K308	M117	Dual 4 Line to 1 Line Multiplexer.
39♦#	FLY171-74157	30		MON	2.0%	.80*	0.0	5.0		0	70	K309	M117	Quadruple 2 Line to 1 Line Multiplexer.
40♦#	FLY175-84157	30		MON	2.0%	.80*	0.0	5.0		-25	85	K309	M117	Quadruple 2 Lint to 1 Line Multiplexer.
41♦	HRA16-4	30			2.0%	80*	0.0	5.0	150mś	0	70	K3031	M342	16 to 4 Line Multiplexer Unit;tpd 200ns.
42♦	JANM38510/01401BJB	30		MON	2 0%	.80*	0.0	5.5	375m	-55	125	K307	M277	TTL DATA Selector/Multiplexer;tpd 43ns max
43♦	JANM38510/01401BKB	30		MON	2.0%	.80*	0.0	5.5	375m	-55	125	K307	FP82	TTL DATA Selector/Multiplexer;tpd 43ns max
44♦	JANM38510/01401CJB	30		MON	2.0%	.80*	0 0	5.5	375m	-55	125	K307	M277	TTL DATA Selector/Multiplexer;tpd 43ns max
45♦	JANM38510/01401CKB	30		MON	2.0%	.80*	0.0	5.5	375m	-55	125	K307	FP82	TTL DATA Selector/Multiplexer;tpd 43ns max
46♦	JANM38510/01402BEC	30		MON	2.0%	.80*	0.0	5.5	248m	-55	125	K3019	M323	TTL DATA Selector/Multiplexer;tpd 44ns max
47♦	JANM38510/01402BFC	30		MON	2.0%	.80*	0.0	5.5	248m	-55	125	K3019	FP93	TTL DATA Selector/Multiplexer;tpd 44ns max
48♦	JANM38510/01402CEC	30		MON	2.0%	.80*	0.0	5.5	248m	-55	125	K3019	M323	TTL DATA Selector/Multiplexer;tpd 44ns max
49♦	JANM38510/01402CFC	30		MON	2.0%	.80*	0.0	5.5	248m	-55	125	K3019	FP93	TTL DATA Selector/Multiplexer;tpd 44ns max
50♦	JANM38510/01403BEB	30		MON	2.0%	.80*	0.0	5.5	286m	-55	125	K308	M323	TTL DATA Selector/Multiplexer;tpd 44ns max
51♦	JANM38510/01403BFB	30		MON	2.0%	.80*	0.0	5.5	286m	-55	125	K308	FP93	TTL DATA Selector/Multiplexer;tpd 44ns max
52♦	JANM38510/01403CEB	30		MON	2.0%	.80*	0.0	5.5	286m	-55	125	K308	M323	TTL DATA Selector/Multiplexer;tpd 44ns max
53♦	JANM38510/01403CFB	30		MON	2 0%	.80*	0.0	5.5	286m	-55	125	K308	FP93	TTL DATA Selector/Multiplexer;tpd 44ns max
54♦	JANM38510/01404BEC	30		MON	2.0%	.80*	0.0	5.5	248m	-55	125	K3010	M323	TTL DATA Selector/Multiplexer;tpd 48ns max
55♦	JANM38510/01404BFC	30		MON	2.0%	.80*	0.0	5.5	248m	-55	125	K3010	FP93	TTL DATA Selector/Multiplexer;tpd 48ns max
56♦	JANM38510/01404CEC	30		MON	2.0%	.80*	0.0	5.5	248m	-55	125	K3010	M323	TTL DATA Selector/Multiplexer;tpd 48ns max
57♦	JANM38510/01404CFC	30		MON	2.0%	.80*	0.0	5.5	248m	-55	125	K3010	FP93	TTL DATA Selector/Multiplexer;tpd 48ns max
58♦	JANM38510/01405BEC	30		MON	2.0%	.80*	0.0	5.5	275m	-55	125	K3011	M323	TTL DATA Selector/Multiplexer;tpd 46ns max
59♦	JANM38510/01405BFC	30		MON	2.0%	.80*	0.0	5.5	275m	-55	125	K3011	FP93	TTL DATA Selector/Multiplexer;tpd 46ns max
60♦	JANM38510/01405CEC	30		MON	2.0%	.80*	0.0	5.5	275m	-55	125	K3011	M323	TTL DATA Selector/Multiplexer;tpd 46ns max
61♦	JANM38510/01405CFC	30		MON	2.0%	80*	0.0	5.5	275m	-55	125	K3011	FP93	TTL DATA Selector/Multiplexer;tpd 46ns max
62♦#	M53350P	30		MON	2.0%	.80*	0.0	5.0	200mt	0	75	K307	M186	16-Line to-1-Line Multiplexer.
63♦#	M53351P	30		MON	2 0%	.80*	0.0	7.0	145mt	0	75	K305h	M153b	8Bit Data Selector/Multiplexer with Strobe
64♦#	M53353P	30		MON	2.0%	.80*	0.0	5.0	170mt	0	75	K308	M105j	Dual 4 Line to 1 Line Data Selector/Multi.
65♦#	MIC54150J	30		MON	2.0%	.80*	0.0	5.0	200mt	-55	125	K307	M197b	One of Sixteen Data Selector/Multiplexer.
66♦#	MIC54151J	30		MON	2.0%	.80*	0.0	5.0	145mt	-55	125	K305h	M153a	One of Sixteen Data Selector/Multiplexer.
67♦#	MIC54153J	30		MON	2.0%	.80*	0.0	5.0	170mt	-55	125	K308	M153a	Dual 4 Line to 1 Line DATA Sel/Multiplexer
68♦#	MIC54157J	30		MON	2.0%	.80*	0.0	5.0	140mt	-55	125	K309	M153a	Selector/Multiplexer;tpd27ns max;FO 20 max
69♦#	MIC64150J	30		MON	2.0%	.80*	0.0	5.0	200mt	-40	85	K307	M197b	One of Sixteen Data Selector/Multiplexer.
70♦#	MIC64151J	30		MON	2.0%	.80*	0.0	5.0	145mt	-40	85	K305h	M153a	One of Sixteen Data Selector/Multiplexer.
71♦#	MIC64153J	30		MON	2 0%	.80*	0 0	5.0	170mt	-40	85	K308	M153a	Dual 4 Line to 1 Line Sel./Multiplexer
72♦#	MIC64157J	30		MON	2.0%	.80*	0.0	5.0	140mt	-40	85	K309	M153a	Selector/Multiplexer;tpd27ns max;FO 20 max
73♦#	MIC74150J	30		MON	2.0%	.80*	0.0	5.0	200mt	0	75	K307	M197b	One of Sixteen Data Selector/Multiplexer.
74♦#	MIC74150N	30		MON	2.0%	.80*	0.0	5.0	200mt	0	75	K307	M186	One of Sixteen Data Selector/Multiplexer.
75♦#	MIC74151J	30		MON	2.0%	.80*	0.0	5.0	145mt	0	75	K305h	M153a	One of Sixteen Data Selector/Multiplexer.
76♦#	MIC74151N	30		MON	2.0%	.80*	0.0	5.0	145mt	0	75	K305b	M117	One of Sixteen Data Selector/Multiplexer.
77♦#	MIC74153J	30		MON	2.0%	.80*	0.0	5.0	170mt	0	75	K308	M153a	Dual 4Line to 1Line Data Sel./Multiplexer.
78♦#	MIC74153N	30		MON	2.0%	.80*	0.0	5.0	170mt	0	75	K308	M153a	Dual 4 Line to 1Line Data Sel./Multiplexer
79♦#	MIC74157J	30		MON	2.0%	.80*	0.0	5.0	140mt	0	75	K309	M153a	Selector/Multiplexer;tpd27ns max;FO 20 max
80♦#	MIC74157N	30		MON	2.0%	.80*	0.0	5.0	140mt	0	75	K309	M117	Selector/Multiplexer;tpd27ns max;FO 20 max
81♦	MPM-8S	30		3DM	2.0%	.80*	15	15		-25	85	K3069	M304a	8-Channel Analog Multiplexer.
82♦	N74150N	30		MON	2.0%	.80*	0.0	5.0		0	70	K307	M237	16 to 1 Line Data Selector/Multiplexer.
83♦	N74150P	30		MON	2.0%	.80*	0.0	5.0		0	70	K307	FP48	16 to 1 Line Data Selector/Multiplexer.
84♦	N74151B	30		MON	2.0%	.80*	0.0	5.0		0	70	K305h	M256	8 to 1 Line Data Selector/Multiplexer.
85♦	N74151R	30		MON	2.0%	.80*	0.0	5.0		0	70	K305h	FP79a	8 to 1 Line Data Selector/Multiplexer.
86♦	N74152Q	30			2.0%	.80*	0.0	5.0		0	70	K305m	TO88	8 to 1 Line Data Selector/Multiplexer.
87♦	N74154N	30		MON	2.0%	.80*	0.0	5.0		0	70	K3051	M237	4 to 16 Line Decoder/Demultiplexer.
88♦	N74154P	30		MON	2.0%	.80*	0.0	5.0		0	70	K3051	FP48	4 to 16 Line Decoder/Demultiplexer.
89▼	RSN54H149H	30		MON	2.0%	.80*	0.0	5.0	300m%	-55	125	K3083	FP69b	3-Line-to-8-Line Decoder/Multiplexer.
90♦	S54150N	30		MON	2.0%	.80*	0.0	5.0		-55	125	K307	M237	16 to 1 Line Data Selector/Multiplexer.

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0' (4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1♦	S54150P	30		MON	2.0%	.80*	0.0	5.0		-55	125	K307	FP48	16 to 1 Line Data Selector/Multiplexer.
2♦	S54150Y	30		MON	2.0%	.80*	0.0	5.0		-55	125	K307	M270	16 to 1 Line Data Selector/Multiplexer.
3♦	S54151B	30		MON	2.0%	.80*	0.0	5.0		-55	125	K305h	M256	8 to 1 Line Data Selector/Multiplexer.
4♦	S54151E	30		MON	2.0%	.80*	0.0	5.0		-55	125	K305h	M153a	8 to 1 Line Data Selector/Multiplexer.
5♦	S54151R	30		MON	2.0%	.80*	0.0	5.0		-55	125	K305h	FP79a	8 to 1 Line Data Selector/Multiplexer.
6♦	S54152Q	30			2.0%	.80*	0.0	5.0		-55	125	K305m	TO88	8 to 1 Line Data Selector/Multiplexer.
7♦	S54154N	30		MON	2.0%	.80*	0.0	5.0		-55	125	K3051	M237	4 to 16 Line Decoder/Demultiplexer.
8♦	S54154P	30		MON	2.0%	.80*	0.0	5.0		-55	125	K3051	FP48	4 to 16 Line Decoder/Demultiplexer.
9♦	S54154Y	30		MON	2.0%	.80*	0.0	5.0		-55	125	K3051	M270	4 to 16 Line Decoder/Demultiplexer.
10♦#	SFC4150E	30		MON	2.0%	.80*	0.0	5.0		0	70	K307	M186	16 line to 1 line multiplexer.
11♦#	SFC4150EM	30		MON	2.0%	.80*	0.0	5.0		-55	125	K307	M186	16 line to 1 line multiplexer.
12♦#	SFC4150ET	30		MON	2.0%	.80*	0.0	5.0		-25	85	K307	M186	16 line to 1 line multiplexer.
13♦#	SFC4151E	30		MON	2.0%	.80*	0.0	5.0		0	70		M117	8 Line to 1 Line Multiplexer.
14♦#	SFC4151EM	30		MON	2.0%	.80*	0.0	5.0		-55	125		M117	8 line to 1 line multiplexer.
15♦#	SFC4151ET	30		MON	2.0%	.80*	0.0	5.0		-25	85		M117	8 line to 1 line multiplexer.
16♦#	SFC4153E	30		MON	2.0%	.80*	0.0	5.0		0	70	K308	M117	Dual 4 line to 1 line Data Selectors/Mult.
17♦#	SFC4153EM	30		MON	2.0%	.80*	0.0	5.0		-55	155	K308	M117	Dual 4 line to 1 line Data Selectors/Mult.
18♦#	SFC4153ET	30		MON	2.0%	.80*	0.0	5.0		-25	85	K308	M117	Dual 4 line to 1 line Data Selectors/Mult.
19♦#	SFC4157E	30		MON	2.0%	.80*	0.0	5.0		0	70	K309	M117	Quad 2 line to 1 line Data Select/Mult.
20♦#	SFC4157EM	30		MON	2.0%	.80*	0.0	5.0		-55	125	K309	M117	Quad 2 line to 1 line Data Select/Mult.
21♦#	SFC4157ET	30		MON	2.0%	.80*	0.0	5.0		-25	85	K309	M117	Quad 2 line to 1 line Data Select/Mult.
22♦	SN54L153J	30		MON	2.0%	.80*	0.0	5.0	85mt	-55	125	K308	M153d	Dual 4-Line-to-1-Line Data Sel/Multiplexer
23♦	SN54L153N	30		MON	2.0%	.80*	0.0	5.0	85mt	-55	125	K308	Δ004AG	Dual 4-Line-to-1-Line Data Sel/Multiplexer
24▼	SN54L157J	30		MON	2.0%	.80*	0.0	5.0	75m%	-55	125	K309	M153d	Quad 2-Line-to-1-Line Data Sel/Multiplexer
25▼	SN54L157N	30		MON	2.0%	.80*	0.0	5.0	75m%	-55	125	K309	Δ004AG	Quad 2-Line-to-1-Line Date Sel/Multiplexer
26▼	SN54S151J	30		MON	2.0%	.80*	0.0	5.0	225mt	-55	125	K3079a	M153d	Data Selectors/Multiplexers.
27▼	SN54S151W	30		MON	2.0%	.80*	0.0	5.0	225mt	-55	125	K3079a	Δ004AG	Data Selectors/Multiplexers.
28♦	SN54S153J	30		MON	2.0%	.80*	0.0	5.0	225mt	-55	125	K308	M153d	Dual 4 Line-to-1 Line Data Sel/Multiplexer
29♦	SN54S153W	30		MON	2.0%	.80*	0.0	5.0	225mt	-55	125	K308	Δ004AG	Dual 4 Line-to-1 Line Data Sel/Multiplexer
30▼	SN54S157J	30		MON	2.0%	.80*	0.0	5.0	250m%	-55	125	K309	M153d	Quad 2-Line-to-1-Line Data Sel/Multiplexer
31▼	SN54S157W	30		MON	2.0%	.80*	0.0	5.0	250m%	-55	125	K309	Δ004AG	Quad 2-Line-to-1-Line Data Sel/Multiplexer
32▼	SN54S158J	30		MON	2.0%	.80*	0.0	5.0	195m%	-55	125	K30	M153d	Quad 2-Line-to-1-Line Data Sel/Multiplexer
33▼	SN54S158W	30		MON	2.0%	.80*	0.0	5.0	195m%	-55	125		Δ004AG	Quad 2-Line-to-1-Line Data Sel/Multiplexer
34▼	SN54S251J	30		MON	2.0%	80*	0.0	5.0	275m%	-55	125	K30	M153d	Data Sel/Multiplexer w/3-State Output.
35▼	SN54S251W	30		MON	2.0%	.80*	0.0	5.0	275m%	-55	125	K30	Δ004AG	Data Sel/Multiplexer w/3-State Output.
36▼	SN54S253J	30		MON	2.0%	.80*	0.0	5.0	350m%	-55	125	K308	M224c	4 to 1 Line Data Selector/MUX;tpd 18ns max
37▼	SN54S253W	30		MON	2.0%	80*	0.0	5.0	350m%	-55	125	K308	FP79b	4 to 1 Line Data Selector/MUX;tpd 18ns max
38▼	SN54S257J	30		MON	2.0%	.80*	0.0	5.0	495m%	-55	125	K309	M224c	2 to 1 Line Data Selector/MUX;tpd 15ns max
39▼	SN54S257W	30		MON	2.0%	.80*	0.0	5.0	300m%	-55	125	K3085	Δ004AG	Quad 2-to-1-Line Data Sel/Mult.
40▼	SN54S258J	30		MON	2.0%	.80*	0.0	5.0	435m%	-55	125	K3014	M224c	2 to 1 Line Data Selector/MUX;tpd 12ns max
41▼	SN54S258W	30		MON	2.0%	80*	0.0	5.0	300m%	-55	125	K3085a	M117x	Quad 2-to-1-Line Data Sel/Mult.
42♦	SN74L153J	30		MON	2.0%	.80*	0.0	5.0	85mt	0	70	K308	M153d	Dual 4-Line-to-1-Line Data Sel/Multiplexer
43♦	SN74L153N	30		MON	2.0%	.80*	0.0	5.0	85mt	0	70	K308	M117x	Dual 4-Line-to-1-Line Data Sel/Multiplexer
44▼	SN74L157J	30		MON	2.0%	.80*	0.0	5.0	75m%	0	70	K309	M153d	Quad 2-Line-to-1-Line Data Sel/Multiplexer
45▼	SN74L157N	30		MON	2.0%	.80*	0.0	5.0	75m%	0	70	K309	M117x	Quad 2-Line-to-1-Line Data Sel/Multiplexer
46▼	SN74LS151J	30		MON	2.0%	.80*	0.0	5.0	30mt	0	70	K3079a	M153d	Data Selectors/Multiplexers.
47▼	SN74LS151N	30		MON	2.0%	80*	0.0	5.0	30mt	0	70	K3079a	M117x	Data Selectors/Multiplexers.
48▼	SN74LS151W	30		MON	2.0%	.80*	0.0	5.0	30mt	0	70	K3079a	Δ004AG	Data Selectors/Multiplexers.
49▼	SN74LS152W	30		MON	2.0%	80*	0.0	5.0	28mt	0	70	K3080a	Δ004AA	Data Selectors/Multiplexers.
50♦	SN74LS153J	30		MON	2.0%	.80*	0.0	5.0	31mt	0	70	K308	M153d	Dual 4-Line-to-1-Line Data Sel/Multiplexer
51♦	SN74LS153N	30		MON	2.0%	.80*	0.0	5.0	31mt	0	70	K308	M117x	Dual 4-Line-to-1-Line Data Sel/Multiplexer
52▼	SN74LS251J	30		MON	2.0%	.80*	0.0	5.0	35m%	0	70	K30	M153d	Data Sel/Multiplexer w/3-State Output.
53▼	SN74LS251N	30		MON	2.0%	.80*	0.0	5.0	35m%	0	70	K30	M117x	Data Sel/Multiplexer w/3-State Output.
54▼	SN74LS251W	30		MON	2.0%	.80*	0.0	5.0	35m%	0	70	K30	Δ004AG	Data Sel/Multiplexer w/3-State Output.
55♦	SN74LS253J	30		MON	2.0%	80*	0.0	5.0	35mt	0	70	K3012	M153d	Dual 4-Line-to-1-Line Data Sel/Multiplexer
56♦	SN74LS253N	30		MON	2.0%	.80*	0.0	5.0	35mt	0	70	K3012	M117x	Dual 4-Line-to-1-Line Data Sel/multiplexer
57▼	SN74LS253W	30		MON	2.0%	.80*	0.0	5.0	35mt	0	70	K3012	Δ004AG	Dual 4-Line-to-1-Line Data Sel/Multiplexer
58▼	SN74S151J	30		MON	2.0%	80*	0.0	5.0	225mt	0	70	K3079a	M153d	Data Selectors/Multiplexers.
59▼	SN74S151N	30		MON	2.0%	.80*	0.0	5.0	225mt	0	70	K3079a	M117x	Data Selectors/Multiplexers.
60♦	SN74S153J	30		MON	2.0%	80*	0.0	5.0	225mt	0	70	K308	M153d	Dual 4 Line-to-1 Line Data Sel/Multiplexer
61♦	SN74S153N	30		MON	2.0%	.80*	0.0	5.0	225mt	0	70	K308	M117x	Dual 4 Line-to-1 Line Data Sel/Multiplexer
62▼	SN74S157J	30		MON	2.0%	.80*	0.0	5.0	250m%	o	70	K309	M153d	Quad 2-Line-to-1-Line Data Sel/Multiplexer
63▼	SN74S157N	30		MON	2.0%	.80*	0.0	5.0	250m%	0	70	K309	M117x	Quad 2-Line-to-1-Line Data Sel/Multiplexer
64▼	SN74S158J	30		MON	2.0%	.80*	0.0	5.0	195m%	0	70		M153d	Quad 2-Line-to-1-Line Data Sel/Multiplexer
65▼	SN74S158N	30		MON	2.0%	.80*	0.0	5.0	195m%	0	70		M117x	Quad 2-Line-to-1-Line Data Sel/Multiplexer
66▼	SN74S251J	30		MON	2.0%	.80*	0.0	5.0	275m%	0	70	K30	M153d	Data Sel/Multiplexer w/3-State Output.
67▼	SN74S251N	30		MON	2.0%	.80*	0.0	5.0	275m%	0	70	K30	M117x	Data Sel/Multiplexer w/3-State Output.
68▼	SN74S253J	30		MON	2.0%	.80*	0.0	5.0	350m%	0	70	K308	M224c	4 to 1 Line Data Selector/MUX;tpd 18ns max
69▼	SN74S253N	30		MON	2.0%	.80*	0.0	5.0	350m%	0	70	K308	M357	4 to 1 Line Data Selector/MUX;tpd 18ns max
70▼	SN74S257J	30		MON	2.0%	.80*	0.0	5.0	495m%	0	70	K309	M224c	2 to 1 Line Data Selector/MUX;tpd 15ns max
71▼	SN74S257N	30		MON	2.0%	.80*	0.0	5.0	260m%	0	70	K3085	Δ004AG	Quad 2-to-1-Line Data Sel/Mult.
72▼	SN74S258J	30		MON	2.0%	.80*	0.0	5.0	435m%	0	70	K3014	M224c	2 to 1 Line Data Selector/MUX;tpd 12ns max
73▼	SN74S258N	30		MON	2.0%	.80*	0.0	5.0	260m%	0	70	K3085a	M117x	Quad 2-to-1-Line Data Sel/Mult.
74▼	SN29309J	30		MON	2.0%	.80*	0.0	5.0	95m%	0	75	K3087	M153d	Dual 4-Line-to-1-Line Data Sel/Multiplexer
75▼	SN29309N	30		MON	2.0%	.80*	0.0	5.0	95m%	0	75	K3087	M117x	Dual 4-Line-to-1-Line Data Sel/Multiplexer
76▼	SN29311J	30		MON	2.0%	.80*	0.0	5.0	170m%	0	75	K3088	Δ015AA	4-Line-to-16-Line Decoders/Demultiplexer
77▼	SN29311N	30		MON	2.0%	.80*	0.0	5.0	170m%	0	75	K3088	M186	4-Line-to-16-Line Decoders/Demultiplexer
78▼	SN29312J	30		MON	2.0%	.80*	0.0	5.0	150m%	0	75	K3089	M153d	Data Selectors/Multiplexers;tpd 35ns max
79▼	SN29312N	30		MON	2.0%	.80*	0.0	5.0	150m%	0	75	K3089	M117x	Data Selectors/Multiplexers;tpd 35ns max
80▼	SN29322J	30		MON	2.0%	.80*	0.0	5.0	150m%	0	75	K3091	M153d	Quad 2-Line-to-1-Line Data Sel/Multiplexer
81▼	SN29322N	30		MON	2.0%	.80*	0.0	5.0	150m%	0	75	K3091	M117x	Quad 2-Line-to-1-Line Data Sel/Multiplexer
82▼	SN39309J	30		MON	2.0%	.80*	0.0	5.0	95m%	-55	125	K3087	M153d	Dual 4-Line-to-1-Line Data Sel/Multiplexer
83▼	SN39311J	30		MON	2.0%	.80*	0.0	5.0	170m%	-55	125	K3088	Δ015AA	4-Line-to-16-Line Decoders/Demultiplexer
84▼	SN39312J	30		MON	2.0%	.80*	0.0	5.0	150m%	-55	125	K3089	M153d	Data Selectors/Multiplexers;tpd 35ns max
85▼	SN39322J	30		MON	2.0%	.80*	0.0	5.0	150m%	-55	125	K3091	M153d	Quad 2-Line-to-1-Line Data Sel/Multiplexer
86▼	SN54150J	30		MON	2.0%	.80*	0.0	5.0	200mt	-55	125	K307	Δ015AA	Data Selectors/Multiplexers.
87♦	SN54150W	30		MON	2.0%	.80*	0.0	5.0	200mt	-55	125	K307	Δ019AA	Data Selectors/Multiplexers.
88▼	SN54151AJ	30		MON	2.0%	.80*	0.0	5.0	145mt	-55	125	K3079	M153d	Data Selectors/Multiplexers.
89▼	SN54151AW	30		MON	2.0%	.80*	0.0	5.0	145mt	-55	125	K3079	Δ004AG	Data Selectors/Multiplexers.
90▼	SN54152AW	30		MON	2.0%	.80*	0.0	5.0	130mt	-55	125	K3080	Δ004AG	Data Selectors/Multiplexers.
91♦	SN54153J	30		MON	2.0%	.80*	0.0	5.0	170mt	-55	125	K308	M153d	Dual 4 line to 1 line Data Selector/Mult.
92♦	SN54153W	30		MON	2.0%	.80*	0.0	5.0	170mt	-55	125	K308	Δ004AG	Dual 4 Line to 1 Line Data Selector/Mult.
93♦	SN54157J	30		MON	2.0%	.80*	0.0	5.0	150m%	-55	125	K309	M153d	Quad 2-Line-to-1-Line Data Sel/Multiplexer
94♦	SN54157W	30		MON	2.0%	.80*	0.0	5.0	150m%	-55	125	K309	Δ004AG	Quad 2-Line-to-1-Line Data Sel/Multiplexer
95▼	SN54251J	30		MON	2.0%	.80*	0.0	5.0	250m%	-55	125	K30	M153d	Data Sel/Multiplexer w/3-State Output.
96▼	SN54251W	30		MON	2.0%	.80*	0.0	5.0	250m%	-55	125	K30	Δ004AG	Data Sel/Multiplexer w/3-State Output.
97▼	SN54298J	30		MON	2.0%	.80*	0.0	5.0	195m%	-55	125	K3086	M153d	Quad 2-Input Multiplexer w/Storage.
98▼	SN54298W	30		MON	2.0%	.80*	0.0	5.0	195m%	-55	125	K3086	Δ004AG	Quad 2-Input Multiplexers w/Storage
99♦	SN74150J	30		MON	2.0%	.80*	0.0	5.0	200mt	0	70	K307	Δ015AA	16 Line to 1 Line Multiplexer.
100♦	SN74150N	30		MON	2.0%	.80*	0.0	5.0	200mt	0	70	K307	M186	16-Line-to-1-Line Multiplexer.
101▼	SN74151AJ	30		MON	2.0%	.80*	0.0	5.0	145mt	0	70	K3079	M153d	Data Selectors/Multiplexers.
102▼	SN74151AN	30		MON	2.0%	.80*	0.0	5.0	145mt	0	70	K3079	M117x	Data Selectors/Multiplexers.
103▼	SN74152AW	30		MON	2.0%	.80*	0.0	5.0	130mt	0	70	K3080	Δ004AG	Data Selectors/Multiplexers.
104♦	SN74153J	30		MON	2.0%	.80*	0.0	5.0	170mt	0	70	K308	M153d	Dual 4 Line to 1 Line Data Selector/Mult.
105♦	SN74153N	30		MON	2.0%	.80*	0.0	5.0	170mt	0	70	K308	M117x	Dual 4 line to 1 line Data Selector/Mult.
106♦	SN74157J	30		MON	2.0%	.80*	0.0	5.0	150m%	0	70	K309	M153d	Quad 2-Line-to-1-Line Data Sel/Multiplexer
107♦	SN74157N	30		MON	2.0%	80*	0.0	5.0	150m%	0	70	K309	M117x	Quad 2-Line-to-1-Line Data Sel/Multiplexer
108▼	SN74251J	30		MON	2.0%	.80*	0.0	5.0	250m%	0	70	K30	M153d	Data Sel/Multiplexer w/3-State Output.
109▼	SN74251N	30		MON	2.0%	.80*	0.0	5.0	250m%	0	70	K30	M117x	Data Sel/Multiplexer w/3-State Output.
110▼	SN74298J	30		MON	2.0%	.80*	0.0	5.0	195m%	0	70	K3086	M153d	Quad 2-Input Multiplexers w/Storage.

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0' (4)MAX OPER FREQ(5)TYPE No.

LINE No.	[5] TYPE No.	[1] USE	[4] MAX OPER-ATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL [2] '1' (V)	LOGIC LEVEL [3] '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1▼	SN74298N	30		MON	2.0%	.80*	0.0	5.0	195m%	0	70	K3086	M117x	Quad 2-Input Multiplexers w/Storage.
2▼	SN74351N	30		MON	2.0%	.80*	0.0	5.0	220m†	0	70	K3081	K30	Dual DATA SEL/MUX.
3♦	SW54150J	30		MON	2.0%	.80*	0.0	5.5	374m†	-55	125	K307	M197	16 line to 1 line Multiplexer
4♦	SW54151J	30		MON	2.0%	.80*	0.0	5.5	264m†	-55	125	K307	M153	8 line to 1 line Multiplexer
5♦	SW54153J	30		MON	2.0%	.80*	0.0	5.5	286m†	-55	125	K308	M153	Dual 4 Line to 1 Line Data Selector/Multi.
6♦	SW74150J	30		MON	2.0%	.80*	0.0	5.25	357m†	0	70	K307	M197	16 line to 1 line Multiplexer
7♦	SW74150N	30		MON	2.0%	.80*	0.0	5.25	357m†	0	70	K307	M197	16 Line to 1 Line Multiplexer.
8♦	SW74151J	30		MON	2.0%	.80*	0.0	5.25	252m†	0	70	K307	M153	8 line to 1 line Multiplexer
9♦	SW74151N	30		MON	2.0%	.80*	0.0	5.25	252m†	0	70	K307	M153	8 line to 1 line Multiplexer
10♦	SW74153J	30		MON	2.0%	.80*	0.0	5.25	315m†	0	70	K308	M153	Dual 4 line to 1 line Data Selector/Mult.
11♦	SW74153N	30		MON	2.0%	.80*	0.0	5.25	315m†	0	70	K308	M153	Dual 4 line to 1 line Data Selector/Mult.
12♦	T54S151F	30		MON	2.0%	.80*	0.0	5.0	425m§	-55	125	K323	FP101	8 Inp Selector/Multiplexer;tpd 18ns max.
13♦	T54S151J	30		MON	2.0%	.80*	0.0	5.0	425m§	-55	125	K323	M352	8 Inp Selector/Multiplexer;tpd 18ns max.
14♦	T54S152F	30		MON	2.0%	80*	0.0	5.0	350m§	-55	125	K3052	TO86	8 Inp Selector/Multiplexer;tpd 18ns max.
15♦	T54S152J	30		MON	2.0%	.80*	0.0	5.0	350m§	-55	125	K3052	M157c	8 Inp Selector/Multiplexer;tpd 18ns max.
16♦	T54S153F	30		MON	2.0%	.80*	0.0	5.0	350m§	-55	125	K308	FP103	4 to 1 Line Data Sel./Multipl,FO 20 max.
17♦	T54S153J	30		MON	2.0%	80*	0.0	5.0	350m§	-55	125	K308	M352	4 to 1 Line Data Sel./Multipl;FO 20 max.
18♦	T54S157F	30		MON	2.0%	.80*	0.0	5.0	390m§	-55	125	K309	FP101	2 to 1 Line Data Sel./Multipl;tpd 12ns max
19♦	T54S157J	30		MON	2.0%	.80*	0.0	5.0	390m§	-55	125	K309	M352	2 to 1 Line Data Sel./Multipl;tpd 12ns max
20♦	T54S158F	30		MON	2.0%	80*	0.0	5.0	305m§	-55	125	K3014	FP101	2 to 1 Line Data Selec/Multipl;tpd12nsmax
21♦	T54S158J	30		MON	2.0%	.80*	0.0	5.0	305m§	-55	125	K3014	M352	2 to 1 Line Data Selec/Multipl;tpd12nsmax
22♦	T54S251F	30		MON	2.0%	.80*	0.0	5.0	425m§	-55	125	K323	FP101	8 Inp Selector/Multiplexer;tpd 19.5ns max
23♦	T54S251J	30		MON	2.0%	80*	0.0	5.0	425m§	-55	125	K323	M352	8 Inp Selector/Multiplexer;tpd 19.5ns max.
24♦	T74S151F	30		MON	2.0%	.80*	0.0	5.0	425m§	0	70	K323	FP101	8 Inp Selector/Multiplexer;tpd 18ns max.
25♦	T74S151J	30		MON	2.0%	80*	0.0	5.0	425m§	0	70	K323	M352	8 Inp Selector/Multiplexer;tpd 18ns max
26♦	T74S152F	30		MON	2.0%	.80*	0.0	5.0	350m§	0	70	K3052	TO86	8 Inp Selector/Multiplexer;tpd 18ns max.
27♦	T74S152J	30		MON	2.0%	80*	0.0	5.0	350m§	0	70	K3052	M157c	8 Inp Selector/Multiplexer;tpd 18ns max.
28♦	T74S153F	30		MON	2.0%	.80*	0.0	5.0	350m§	0	70	K308	FP103	4 to 1 Line Data Sel./Multipl;FO 20 max.
29♦	T74S153J	30		MON	2.0%	.80*	0.0	5.0	350m§	0	70	K308	M352	4 to 1 Line Data Sel./Multipl;FO 20 max.
30♦	T74S157F	30		MON	2.0%	.80*	0.0	5.0	390m§	0	70	K309	FP101	2 to 1 Line Data Sel./Multipl;tpd 12ns max
31♦	T74S157J	30		MON	2.0%	.80*	0.0	5.0	390m§	0	70	K309	M352	2 to 1 Line Data Sel./Multipl;tpd 12ns max
32♦	T74S158F	30		MON	2.0%	.80*	0.0	5.0	305m§	0	70	K3014	FP101	2 to 1 Line Data Selec/Multipl;tpd12nsmax
33♦	T74S158J	30		MON	2.0%	.80*	0.0	5.0	305m§	0	70	K3014	M352	2 to 1 Line Data Selec/Multipl;tpd12nsmax
34♦	T74S251F	30		MON	2.0%	.80*	0.0	5.0	425m§	-55	125	K323	FP101	8 Inp Selector/Multiplexer;tpd 19.5ns max.
35♦	T74S251J	30		MON	2.0%	.80*	0.0	5.0	425m§	0	70	K323	M352	8 Inp Selector/Multiplexer;tpd 19.5ns max.
36♦#	T164D2	30		MON	2.0%	.80*	0.0	5.0	200m%	-55	125	K3010	M200c	Dual 4 Input Multiplexer;tpd 32ns max.
37♦	T9309F	30		MON	2.0%	80*	0.0	5.0	220m§	0	75	K3010	FP101a	Dual 4 Inp Multiplexer;tpd 36ns max.
38♦	T9309FM	30		MON	2.0%	.80*	0.0	5.0	220m§	-55	125	K3010	FP101a	Dual 4 Inp Multiplexer;tpd 32ns max.
39♦	T9309J	30		MON	2.0%	80*	0.0	5.0	220m§	0	75	K3010	M153c	Dual 4 Inp Multiplexer;tpd 36ns max.
40♦	T9309JM	30		MON	2.0%	.80*	0.0	5.0	220m§	-55	125	K3010	M153c	Dual 4 Inp Multiplexer;tpd 32ns max.
41♦	T9312F	30		MON	2.0%	.80*	0.0	5.0	220m§	0	75	K3019a	FP101a	8 Inp Multiplexer;tpd 34ns max.
42♦	T9312FM	30		MON	2.0%	.80*	0.0	5.0	220m§	-55	125	K3019a	FP101a	8 Inp Multiplexer;tpd 34ns max.
43♦	T9312J	30		MON	2.0%	.80*	0.0	5.0	220m§	0	75	K3019a	M153c	8 Inp Multiplexer;tpd 34ns max.
44♦	T9312JM	30		MON	2.0%	.80*	0.0	5.0	220m§	-55	125	K3019a	M153c	8 Inp Multiplexer;tpd 34ns max.
45♦	T9322F	30		MON	2.0%	.80*	0.0	5.0	235m§	0	75	K3011	FP101a	Quad 2 Inp Multiplexer;tpd 31ns max.
46♦	T9322FM	30		MON	2.0%	.80*	0.0	5.0	235m§	-55	125	K3011	FP101a	Quad 2 Inp Multiplexer;tpd 27ns max.
47♦	T9322J	30		MON	2.0%	.80*	0.0	5.0	235m§	0	75	K3011	M153c	Quad 2 Inp Multiplexer;tpd 31ns max.
48♦	T9322JM	30		MON	2.0%	.80*	0.0	5.0	235m§	-55	125	K3011	M153c	Quad 2 Inp Multiplexer;tpd 27ns max.
49♦#	TL74150N	30		MON	2.0%	.80*	0.0	5.0	357m†	0	70	K307	M186	16Bit Data Selector/Mult;tpd 35ns max
50♦#	TL74151N	30		MON	2.0%	.80*	0.0	5.0	252m†	0	70	K3019	M117u	8Bit Data Selector/Mult;tpd 52ns max.
51♦#	TL74153N	30		MON	2.0%	.80*	0.0	5.0	315m†	0	75	K308	M117u	Dual 4Bit Data Selector/Multiplexer.
52♦#	TL84150N	30		MON	2.0%	.80*	0.0	5.0	357m†	-25	85	K307	M186	16Bit Data Selector/Mult;tpd 35ns max.
53♦#	TL84151N	30		MON	2.0%	.80*	0.0	5.0	252m†	-25	85	K3019	M117u	8Bit Data Selector/Mult;tpd 52ns max.
54♦	US54153A	30		MON	2.0%	.80*	0.0	5.0	170m†	-55	125	K308	M126k	Dual 4 line to 1 line Data Selector/Mult
55♦	US74153A	30		MON	2.0%	.80*	0.0	5.0	170m†	0	70	K308	M126k	Dual 4 line to 1 line Date Selector/Mult
56♦	9309DC	30	20M%	MON	2.0%	80*	0.0	5.0	220m%	0	75	K3010	M224c	Dual 4 Input;lo 30mA max,tpd 32ns max.
57♦	9309DM	30	20M%	MON	2.0%	.80*	0.0	5.0	220m%	-55	125	K3010	M224c	Dual 4 Input;lo 30mA max;tpd 32ns max.
58♦	9309FM	30	20M%	MON	2.0%	.80*	0.0	5.0	220m%	-55	125	K3010	FP79b	Dual 4 Input;lo 30mA max;tpd 32ns max.
59♦	9312DC	30	20M%	MON	2.0%	.80*	0.0	5.0	220m%	0	75	K3013	M224c	8 Input;lo 30mA max;tpd 34ns max.
60♦	9312DM	30	20M%	MON	2.0%	.80*	0.0	5.0	220m%	-55	125	K3013	M224c	8 Input;lo 30mA max;tpd 34ns max.
61♦	9312FM	30	20M%	MON	2.0%	.80*	0.0	5.0	220m%	-55	125	K3013	FP79b	8 Input,lo 30mA max;tpd 34ns max.
62♦	9322DC	30	20M%	MON	2.0%	.80*	0.0	5.0	235m%	0	75	K3011	M224c	2 Input;lo 30mA max;tpd 31ns max.
63♦	9322DM	30	20M%	MON	2.0%	.80*	0.0	5.0	235m%	-55	125	K3011	M224c	2 Input,lo 30mA max,tpd 31ns max.
64♦	9322FM	30	20M%	MON	2.0%	.80*	0.0	5.0	235m%	-55	125	K3011	FP79b	2 Input;lo 30mA max;tpd 31ns max.
65♦	5566	30	20MΔ%	PCB	2.0%	.90*	0.0	5.0	425m†	0	70	K3077	CB62	3x8 Digital;tpd 25ns.
66♦	5567	30	20MΔ%	PCB	2.0%	.90*	0.0	5.0	425m†	0	70	K3078	CB62	3x Dual;Digital;tpd 32ns max.
67♦	D4082	30	200k	PCB	2.0%	.95*	22	22	2.6	0	50		CB☑	10 Channel Mux(1 card,2 card spaces).
68♦	MC4000F	30		MON	2.4%	.40†*	0.0	5.0	150m†	0	75	K3033	TO86	Dual 4-Channel Data Selector
69♦	MC4000L,P%	30		MON	2.4%	.40*†	0.0	5.0	150m†	0	75	K3033	TO116	Dual 4-Channel Data Selector.
70♦	MC4300F	30		MON	2.4%	.40†*	0.0	5.0	150m†	-55	125	K3033	TO86	Dual 4-Channel Data Selector.
71♦	MC4300L	30		MON	2.4%	.40*†	0.0	5.0	150m†	-55	125	K3033	TO116	Dual 4-Channel Data Selector.
72♦	MC8309F	30			2.4%	.40*†	0.0	5.0	150m†	0	75	K3033	M191	Dual 4 Channel Data Selector
73♦	MC8309L	30			2.4%	.40*†	0.0	5.0	150m†	0	75	K3033a	M191	Dual 4 Channel Data Selector.
74♦	MC8309P	30			2.4%	.40*†	0.0	5.0	150m†	0	75	K3033	M278	Dual 4Channel Data Selector.
75♦	MC8322F	30		MON	2.4%	40*†	0.0	5.0	150m†	0	75	K3041	FP85	Quad 2-Input Data Selector/Multiplexer
76♦	MC8322L	30		MON	2.4%	40*†	0.0	5.0	150m†	0	75	K3041	M191	Quad 2-Input Data Selector/Multiplexer
77♦	MC8322P	30		MON	2.4%	.40*†	0.0	5.0	150m†	0	75	K3041	M278	Quad 2-Input Data Selector/Multiplexer
78♦	MC9309F	30			2.4%	.40*†	0.0	5.0	150m†	-55	125	K3033	M191	Dual 4 Channel Data Selector.
79♦	MC9309L	30			2.4%	.40*†	0.0	5.0	150m†	-55	125	K3033a	M191	Dual 4 Channel Data Selector
80♦	MC9312F	30		MON	2.4%	.40*†	0.0	5.0	135m†	-55	125	K305k	FP85	8 Channel Data Selector
81♦	MC9312L	30		MON	2.4%	.40†*	0.0	5.0	135m†	-55	125	K305k	M191	8-Channel Data Selector.
82♦	MC9322F	30		MON	2.4%	.40*†	0.0	5.0	150m†	-55	125	K3041	FP85	Quad 2-Input Data Selector/Multiplexer
83♦	MC9322L	30		MON	2.4%	40*†	0.0	5.0	150m†	-55	125	K3041	M191	Quad 2-Input Data Selector/Multiplexer
84♦	MC54150L	30		MON	2.4%	.40*†	0.0	5.0	200m†	-55	125	K305e	M291	16-Channel Data Selector.
85♦	MC54151L	30		MON	2.4%	.40*†	0.0	5.0	145m†	-55	125	K305a	M191	8-Channel Data Selector.
86♦	MC54152F	30		MON	2.4%	.40*†	0.0	5.0	130m†	-55	125	K3037	TO86	8-Channel Data Selector/Multiplexer
87♦	MC54152L	30		MON	2.4%	.40*†	0.0	5.0	130m†	-55	125	K3037	TO116	8-Channel Data Selector/Multiplexer
88♦	MC54153F	30		MON	2.4%	.40*†	0.0	5.0	180m†	-55	125	K3044	FP85	Dual 4-Channel Data Selector/Multiplexer
89♦	MC54153L	30		MON	2.4%	.40*†	0.0	5.0	180m†	-55	125	K3044	M191	Dual 4-Channel Data Selector/Multiplexer
90♦	MC54155F	30		MON	2.4%	.40*†	0.0	5.0	125m†	-55	125	K3045	FP85	Dual 2-to-4 Line Dec/1-to-4 Line Demult.
91♦	MC54155L	30		MON	2.4%	40*†	0.0	5.0	125m†	-55	125	K3045	M191	Dual 2-to-4 Line Dec/1-to-4 Line Demult.
92♦	MC54156F	30		MON	2.4%	.40*†	0.0	5.0	125m†	-55	125	K3045	FP85	Dual 2-to-4 Line Dec/1-to-4 Line Demult.
93♦	MC54156L	30		MON	2.4%	.40*†	0.0	5.0	125m†	-55	125	K3045	M191	Dual 2-to-4 Line Dec/1-to-4 Line Demult.
94♦	MC54157F	30		MON	2.4%	.40*†	0.0	5.0	150m†	-55	125	K3041	FP85	Quad 2-Input Data Selector/Multiplexer
95♦	MC54157L	30		MON	2.4%	.40*†	0.0	5.0	150m†	-55	125	K3041	M191	Quad 2-Input Data Selector/Multiplexer
96♦	MC74150L	30		MON	2.4%	.40*†	0.0	5.0	200m†	0	75	K305e	M291	16-Channel Data Selector.
97♦	MC74150P	30		MON	2.4%	40*†	0.0	5.0	200m†	0	75	K305e	M237	16-Channel Data Selector.
98♦	MC74151L	30		MON	2.4%	40*†	0.0	5.0	145m†	0	75	K305a	M191	8-Channel Data Selector.
99♦	MC74151P	30		MON	2.4%	.40*†	0.0	5.0	145m†	0	75	K305a	M278	8-Channel Data Selector.
100♦	MC74152F	30		MON	2.4%	.40*†	0.0	5.0	130m†	0	75	K3037	TO86	8-Channel Data Selector/Multiplexer.
101♦	MC74152L,P%	30		MON	2.4%	40*†	0.0	5.0	130m†	0	75	K3037	TO116	8-Channel Data Selector/Multiplexer.
102♦	MC74153F	30		MON	2.4%	.40*†	0.0	5.0	180m†	0	75	K3044	FP85	Dual 4-Channel Data Selector/Multiplexer.
103♦	MC74153L	30		MON	2.4%	40*†	0.0	5.0	180m†	0	75	K3044	M191	Dual 4-Channel Data Selector/Multiplexer
104♦	MC74153P	30		MON	2.4%	.40*†	0.0	5.0	180m†	0	75	K3044	M278	Dual 4-Channel Data Selector/Multiplexer.
105♦	MC74155F	30		MON	2.4%	.40*†	0.0	5.0	125m†	0	75	K3045	FP85	Dual 2-to-4 Line Dec 1-to-4 Line Demult.
106♦	MC74155L	30		MON	2.4%	.40*†	0.0	5.0	125m†	0	75	K3045	M191	Dual 2-to-4 Line Dec/1-to-4 Line Demult.
107♦	MC74155P	30		MON	2.4%	40*†	0.0	5.0	125m†	0	75	K3045	M278	Dual 2-to-4 Line Dec/1-to-4 Line Demult.
108♦	MC74156F	30		MON	2.4%	.40*†	0.0	5.0	125m†	0	75	K3045	FP85	Dual 2-to-4 Line Dec/1-to-4 Line Demult.
109♦	MC74156L	30		MON	2.4%	.40*†	0.0	5.0	125m†	0	75	K3045	M191	Dual 2-to-4 Line Dec/1-to-4 Line Demult
110♦	MC74156P	30		MON	2.4%	40*†	0.0	5.0	125m†	0	75	K3045	M278	Dual 2-to-4 Line Dec/1-to-4 Line Demult.

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1♦	MC74157F	30		MON	2.4%	.40*†	0.0	5.0	150mt	0	75	K3041	FP85	Quad 2-Input Data Selector/Multiplexer
2♦	MC74157L	30		MON	2.4%	.40*†	0.0	5.0	150mt	0	75	K3041	M191	Quad 2-Input Data Selector/Multiplexer
3♦	MC74157P	30		MON	2.4%	.40*†	0.0	5.0	150mt	0	75	K3041	M278	Quad 2-Input Data Selector/Multiplexer
4♦	MC83150L	30		MON	2.4%	.40*†	0.0	5.0	200mt	0	75	K305e	M291	16-Channel Data Selector.
5♦	MC83150P	30		MON	2.4%	.40*†	0.0	5.0	200mt	0	75	K305e	M237	16-Channel Data Selector.
6♦	MC83151L	30		MON	2.4%	.40*†	0.0	5.0	145mt	0	75	K305a	M191	8-Channel Data Selector.
7♦	MC83151P	30		MON	2.4%	.40*†	0.0	5.0	145mt	0	75	K305a	M278	8-Channel Data Selector.
8♦	MC83152F	30		MON	2.4%	.40*†	0.0	5.0	130mt	0	75	K3037	TO86	8-Channel Data Selector/Multiplexer.
9♦	MC83152L	30		MON	2.4%	.40*†	0.0	5.0	130mt	0	70	K3037	TO116	8-Channel Data Selector/Multiplexer
10♦	MC83152L,P%	30		MON	2.4%	.40*†	0.0	5.0	130mt	0	75	K3037	TO116	8-Channel Data Selector/Multiplexer.
11♦	MC83153F	30		MON	2.4%	.40*†	0.0	5.0	180mt	0	75	K3044	FP85	Dual 4-Channel Data Selector/Multiplexer.
12♦	MC83153L	30		MON	2.4%	.40*†	0.0	5.0	180mt	0	75	K3044	M191	Dual 4-Channel Data Selector/Multiplexer.
13♦	MC83153P	30		MON	2.4%	.40*†	0.0	5.0	180mt	0	75	K3044	M278	Dual 4-Channel Data Selector/Multiplexer.
14♦	MC93150L	30		MON	2.4%	.40*†	0.0	5.0	200mt	-55	125	K305e	M291	16-Channel Data Selector.
15♦	MC93151L	30		MON	2.4%	.40*†	0.0	5.0	145mt	-55	125	K305a	M278	8-Channel Data Selector
16♦	MC93152F	30		MON	2.4%	.40*†	0.0	5.0	130mt	-55	125	K3037	TO86	8-Channel Data Selector/Multiplexer
17♦	MC93152L	30		MON	2.4%	.40*†	0.0	5.0	130mt	-55	125	K3037	TO116	8-Channel Data Selector/Multiplexer
18♦	MC93153F	30		MON	2.4%	.40*†	0.0	5.0	180mt	-55	125	K15001	FP85	Dual 4-Channel Data Selector/Multiplexer
19♦	MC93153L	30		MON	2.4%	40*†	0.0	5.0	180mt	-55	125	K3044	M191	Dual 4-Channel Data Selector/Multiplexer
20♦	MIC9309-1B	30			2.4%	.40*	0.0	5.0		-55	125	K3010	FP47b	Dual 4 Input Multiplexer.
21♦	MIC9309-1D	30			2.4%	.40*	0.0	5.0		-55	125	K3010	M153a	Dual 4 Input Multiplexer.
22♦	MIC9312-1B	30			2.4%	.40*	0.0	5.0		-55	125	K3013	FP47b	8 Input Multiplexer.
23♦	MIC9312-1D	30			2.4%	.40*	0.0	5.0		-55	125	K3013	M153a	8 Input Multiplexer.
24▼	MPX8A	30		3DM	2.4%	.40%	15	15	663mt	0	70	K3090	M368b	8 Chan.MOSFET;Settl.Time 2.0us max.
25♦	RL211D	30		MON	2.4%	.40*†	0.0	5.5	175m	-55	125	K305s	M105m	Dual 4 Bit Multiplexer.
26♦	RL211K	30		MON	2.4%	.40*†	0.0	5.5	175m	-55	125	K305s	FP21b	Dual 4 Bit Multiplexer.
27♦	RL213D	30		MON	2.4%	.40*†	0.0	5.25	200m	0	75	K305s	M105m	Dual 4 Bit Multiplexer.
28♦	RL213K	30		MON	2.4%	.40*†	0.0	5.25	200m	0	75	K305s	FP21b	Dual 4 Bit Multiplexer.
29▼	SMC1007	30		3DM	2.4%	.40*	15	15	2.0 †	0	70		M378a	Serial;8 Channel.
30▼	SMX1004	30		3DM	2.4%	.40*	15	15	990mt	0	70		M379	Serial;6 Channel.
31♦	MC8312F	30		MON	2.4%	.45*†	0.0	5.0	135mt	0	75	K305k	FP85	8 Channel Data Selector.
32♦	MC8312L	30		MON	2.4%	451*	0.0	5.0	135mt	0	75	K305k	M191	8-Channel Data Selector.
33♦	MC8312P	30		MON	2.4%	.45*†	0.0	5.0	135mt	0	75	K305k	M278	8-Channel Data Selector.
34♦	MIC9309-5B	30			2.4%	.45*	0.0	5.0		0	75	K3010	FP47b	Dual 4 Input Multiplexer.
35♦	MIC9309-5D	30			2.4%	.45*	0.0	5.0		0	75	K3010	M153a	Dual 4 Input Multiplexer.
36♦	MIC9312-5B	30			2.4%	45*	0.0	5.0		0	75	K3013	FP47b	8 Input Multiplexer.
37♦	MIC9312-5D	30			2.4%	.45*	0.0	5.0		0	75	K3013	M153a	8 Input Multiplexer.
38▼	AD7501K	30		MON	2.4%	.80*	15	15	450m	0	75	K3015	M361	8 Chan;R(ON) 170Ω;ton,toff 800ns.
39▼	AD7501S	30		MON	2.4%	.80*	15	15	450m	-55	125	K3015	M361	8 Chan;R(ON) 170Ω;ton,toff 800ns.
40▼	AD7502K	30		MON	2.4%	.80*	15	15	450m	0	75	K3016	M361	4 Chan;R(ON) 170Ω;ton,toff 800ns.
41▼	AD7502S	30		MON	2.4%	80*	15	15	450m	-55	125	K3016	M361	4 Chan;R(ON) 170Ω;ton,toff 800ns.
42▼	AD7503KD	30		MON	2.4%	.80*	15	15	450m	0	75	K3015	M361	8 Chan;R(ON) 170Ω;ton,toff 800ns.
43▼	AD7503SD	30		MON	2.4%	.80*	15	15	450m	-55	125	K3015	M361	8 Chan;R(ON) 170Ω;ton,toff 800ns.
44▼	AD7506KD	30		MON	2.4%	.80*	15	15	1.2	0	75	K3017		16 Chan;ON R(ON) 300Ω;ton,toff 800ns.
45▼	AD7506TD	30		MON	2.4%	.80*	15	15	1.2	-55	125	K3017		16 Chan;ON R(ON) 400Ω max;ton,toff 800ns.
46▼	AD7507KD	30		MON	2.4%	.80*	15	15	1.2	0	75	K3018		8 Chan;ON R(ON) 300Ω;ton,toff 800ns.
47▼	AD7507TD	30		MON	2.4%	.80*	15	15	1.2	-55	125	K3018		8 Chan;ON R(ON) 400Ω max;ton,toff 800ns.
48♦	MC7266F	30		MON	2.6%	.40*†	0.0	5.0	200mt	0	75	K3040	TO85	2-Input;4-Bit Data Selector.
49♦	MC7266L	30		MON	2.6%	40*†	0.0	5.0	200mt	0	75	K3040	M191	2-Input;4-Bit Data Selector.
50♦	MC7266P	30		MON	2.6%	.40*†	0.0	5.0	200mt	0	75	K3040	M278	2-Input;4-Bit Data Selector.
51♦	MC7267F	30		MON	2.6%	.40*†	0.0	5.0	200mt	0	75	K3040	TO85	2-Input;4-Bit Data Sel.(Open Collector).
52♦	MC7267L	30		MON	2.6%	.40*†	0.0	5.0	200mt	0	75	K3040	M191	2-Input;4-Bit Data Sel.(Open Collector).
53♦	MC7267P	30		MON	2.6%	.40*†	0.0	5.0	200mt	0	75	K3040	M278	2-Input;4-Bit Data Sel.(Open Collector).
54♦	MC8266F	30		MON	2.6%	.40*†	0.0	5.0		-55	125	K3040	TO85	2-Input;4-Bit Data Selector.
55♦	MC8266L	30		MON	2.6%	.40*†	0.0	5.0		-55	125	K3040	M191	2-Input;4-Bit Data Selector
56♦	N8230B	30		MON	2.6%	.40†	0.0	5.0	250m	0	75	K305f	M117h	8 input digital multiplexer.
57♦	N8230E	30		MON	2.6%	.40†	0.0	5.0	250m	0	75	K305f	M153a	8 Input Digital Multiplexer.
58♦	N8230R	30		MON	2.6%	.40†	0.0	5.0	250m	0	75	K305f	FP47c	8 input digital multiplexer.
59♦	N8231B	30		MON	2.6%	.40†	0.0	5.0	250m	0	75	K305f	M117h	8 input digital multiplexer.
60♦	N8231E	30		MON	2.6%	.40†	0.0	5.0	250m	0	75	K305f	M153a	8 Input Digital Multiplexer.
61♦	N8231R	30		MON	2.6%	40†	0.0	5.0	250m	0	75	K305f	FP47c	8 input digital multiplexer.
62♦	N8232B	30		MON	2.6%	.40†	0.0	5.0	262m	0	75	K305f	M117h	8 input digital multiplexer.
63♦	N8232E	30		MON	2.6%	.40†	0.0	5.0	262m	0	75	K305f	M153a	8 Input Digital Multiplexer.
64♦	N8232R	30		MON	2.6%	.40†	0.0	5.0	262m	0	75	K305f	FP47c	8 input digital multiplexer.
65♦	N8233B	30		MON	2.6%	.40†*	0.0	5.0	252m	0	75	K3046	M256	2 Input;4 bit Digital Multiplexer.
66♦	N8233E	30		MON	2.6%	.40†*	0.0	5.0	252m	0	75	K3046	M153a	2 Input;4 bit Digital Multiplexer.
67♦	N8233R	30		MON	2.6%	40†*	0.0	5.0	252m	0	75	K3046	FP79a	2 Input;4 bit Digital Multiplexer.
68♦	N8263N	30		MON	2.6%	40†*	0.0	5.0	420m	0	75	K3048	M237	3 Input,4-Bit Digital Multiplexer.
69♦	N8263P	30		TTL	2.6%	40†	0.0	5.0	475m	0	75	K3048	FP59	3 input, 4 bit digital multiplexer.
70♦	N8263Y	30		MON	2.6%	.40†*	0.0	5.0	420m	0	75	K3048	M270	3 Input,4-Bit Digital Multiplexer.
71♦	N8264N	30		MON	2.6%	.40†*	0.0	5.0	475m	0	75	K3049	M237	3 Input,4-Bit Digital Multiplexer.
72♦	N8264P	30		TTL	2.6%	.40†	0.0	5.0	475m	0	75	K3049	FP59	3 input, 4 bit digital multiplexer.
73♦	N8264Y	30		MON	2.6%	.40†*	0.0	5.0	475m	0	75	K3049	M270	3 Input,4-Bit Digital Multiplexer.
74♦	N8266B	30		MON	2.6%	.40†	0.0	5.0	275m	0	75	K3050a	M117h	2 input, 4 bit digital multiplexer.
75♦	N8266E	30		MON	2.6%	.40†*	0.0	5.0	275m	0	75	K3050a	M153a	2 Input,4-Bit Digital Multiplexer.
76♦	N8266R	30		MON	2.6%	.40†	0.0	5.0	275m	0	75	K3050a	FP47c	2 input, 4 bit digital multiplexer.
77♦	N8267B	30		MON	2.6%	.40†	0.0	5.0	275m	0	75	K3050	M117h	2 input, 4 bit digital multiplexer.
78♦	N8267E	30		MON	2.6%	40†*	0.0	5.0	275m	0	75	K3050	M153a	2 Input,4-Bit Digital Multiplexer.
79♦	N8267R	30		MON	2.6%	.40†	0.0	5.0	275m	0	75	K3050	FP47c	2 input, 4 bit digital multiplexer.
80♦	S8230B	30		MON	2.6%	40†	0.0	5.0	250m	-55	125	K305f	M117h	8 input digital multiplexer.
81♦	S8230E	30		MON	2.6%	.40†	0.0	5.0	250m	-55	125	K305f	M105s	8 input digital multiplexer.
82♦	S8230R	30		MON	2.6%	.40†	0.0	5.0	250m	-55	125	K305f	FP47c	8 input digital multiplexer.
83♦	S8231B	30		MON	2.6%	.40†	0.0	5.0	250m	-55	125	K305f	M117h	8 input digital multiplexer.
84♦	S8231E	30		MON	2.6%	.40†	0.0	5.0	250m	-55	125	K305f	M105s	8 input digital multiplexer.
85♦	S8231R	30		MON	2.6%	.40†	0.0	5.0	250m	-55	125	K305f	FP47c	8 input digital multiplexer.
86♦	S8232B	30		MON	2.6%	.40†	0.0	5.0	262m	-55	125	K305f	M117h	8 input digital multiplexer.
87♦	S8232E	30		MON	2.6%	.40†	0.0	5.0	262m	-55	125	K305f	M105s	8 input digital multiplexer.
88♦	S8232R	30		MON	2.6%	.40†	0.0	5.0	262m	-55	125	K305f	FP47c	8 input digital multiplexer.
89♦	S8233B	30		MON	2.6%	.40†*	0.0	5.0	252m	-55	125	K3046	M256	2 Input;4 bit Digital Multiplexer.
90♦	S8233E	30		MON	2.6%	.40†*	0.0	5.0	252m	-55	125	K3046	M153a	2 Input;4 bit Digital Multiplexer.
91♦	S8233R	30		MON	2.6%	40†*	0.0	5.0	252m	-55	125	K3046	FP79a	2 Input;4 bit Digital Multiplexer.
92♦	S8263N	30		MON	2.6%	.40†*	0.0	5.0	420m	-55	125	K3048	M237	3 Input,4-Bit Digital Multiplexer.
93♦	S8263P	30		MON	2.6%	.40†	0.0	5.0	420m	-55	125	K3048	FP59	3 input, 4 bit digital multiplexer.
94♦	S8263Y	30		MON	2.6%	.40†	0.0	5.0	420m	-55	125	K3048	M183	3 input, 4 bit digital multiplexer.
95♦	S8264N	30		MON	2.6%	.40†*	0.0	5.0	475m	-55	125	K3049	M237	3 Input,4-Bit Digital Multiplexer.
96♦	S8264P	30		MON	2.6%	.40†	0.0	5.0	475m	-55	125	K3049	FP59	3 input, 4 bit digital multiplexer.
97♦	S8264Y	30		MON	2.6%	.40†	0.0	5.0	475m	-55	125	K3049	M183	3 input, 4 bit digital multiplexer.
98♦	S8266B	30		MON	2.6%	.40†	0.0	5.0	275m	-55	125	K3050a	M117h	2 input, 4 bit digital multiplexer.
99♦	S8266E	30		MON	2.6%	.40†	0.0	5.0	275m	-55	125	K3050a	M105s	2 input, 4 bit digital multiplexer.
100♦	S8266R	30		MON	2.6%	40†	0.0	5.0	275m	-55	125	K3050a	FP47c	2 input, 4 bit digital multiplexer.
101♦	S8267B	30		MON	2.6%	.40†	0.0	5.0	275m	-55	125	K3050	M117h	2 input, 4 bit digital multiplexer.
102♦	S8267E	30		MON	2.6%	.40†	0.0	5.0	275m	-55	125	K3050	M105s	2 input, 4 bit digital multiplexer.
103♦	S8267R	30		MON	2.6%	40†	0.0	5.0	275m	-55	125	K3050	FP47c	2 input, 4 bit digital multiplexer.
104♦	CAM601	30	200k	TFH	2.8%	50*	18	5.0	250m	-20	85	K3072	CN66	6 Channel Multiplexer;Ron 60Ω max;±10V Sig
105♦	CAM601A	30	200k	TFH	2.8%	50*	18	5.0	250m	-55	125	K3072	CN66	6 Channel Multiplexer;Ron 60Ω max;±10V Sig
106▼	AD7506JD	30		MON	3.0%	.80*	15	15	1.2	0	75	K3017		16 Chan;ON R(ON) 300Ω;ton,toff 800ns.
107▼	AD7506SD	30		MON	3.0%	80*	15	15	1.2	-55	125	K3017		16 Chan;ON R(ON) 400Ω max;ton,toff 800ns.
108▼	AD7507JD	30		MON	3.0%	80*	15	15	1.2	0	75	K3018		8 Chan;ON R(ON) 300Ω;ton,toff 800ns.
109▼	AD7507SD	30		MON	3.0%	.80*	15	15	1.2	-55	125	K3018		8 Chan;ON R(ON) 400Ω max;ton,toff 800ns.
110♦	LO2	30		MOS	3.2%	.80*	15	5.0	150ms	0	75	K3059	M148a	CMS 8 Channel Multiplexer;ts45ns;Ron 250Ω

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1♦	LO2FT	30		MOS	3 2%	.80*	15	5.0	200m§	-55	125	K3059	M148a	CMS 8 Channel Multiplexer;ts 45ns;Ron250Ω
2♦	LO5	30		MOS	3 2%	.80*	16	5.0	150mt	0	75	K3060	M330	CMS 8 Channel Multiplexer,Ron 15Ω.
3♦	LO21	30		MOS	3.2%	.80*	15	5.0	200m§	0	75	K3059	M148a	CMS 8 Channel Multiplexer;ts 45ns;Ron 250Ω
4♦	DG501AP	30		MOS	3.5%	60*	20	5.0	1.2	-55	125	K3056	TO116	8-Chan Multiplex SW,ton 2.5us;toff 15us.
5♦	DG501BK	30		MOS	3.5	.60	20	5.0	450m	-20	85	K305b	TO116	8-Chan.Multiplex Sw.;ton 2.5us;toff 1.5us
6♦	DG501CJ	30		MOS	3.5%	60*	20	5.0	470m	0	70	K3056	TO116	8-Chan Multiplex SW;ton1.2us;toff 800ns.
7♦	AY6-4016	30		MOS	3.5%	.80*	-12	5.0		-55	125		M193	16 Channel Random/Sequential multiplexer.
8♦	MU6-8572	30	200k		3.5%	.80*	12	5.0		-55	125	K3071	M265	16 Channel Multiplexer;tr and tf 1.0us max
9♦	HI-1F1818-2	30		MON	4.0%	40*	12	12	200m	-55	125	K3028	M210c	8 Chan Analog;R(on)250Ω.
10♦	HI-1F1818-5	30		MON	4 0%	.40*	12	12	200m	0	75	K3028	M210c	8 Chan Analog;R(on)250Ω.
11♦	HI-1F1818A2	30		MON	4.0%	40*	12	12	200m	-55	125	K3028	M210c	8 Chan Analog;R(on)250Ω
12♦	HI-1F1818A5	30		MON	4.0%	40*	12	12	200m	0	75	K3028	M210c	8 Chan Analog;R(on)250Ω.
13♦	HI-1F1828-2	30		MON	4 0%	.40*	12	12	200m	-55	125	K3028a	M210c	8 Chan Analog;R(on)250Ω.
14♦	HI-1F1828-5	30		MON	4 0%	40*	12	12	200m	0	75	K3028a	M210c	8 Chan Analog;R(on)250Ω.
15♦	HI-1F1828A2	30		MON	4.0%	.40*	12	12	200m	-55	125	K3028a	M210c	8 Chan Analog;R(on)250Ω.
16♦	HI-1F1828A5	30		MON	4 0%	40*	12	12	200m	0	75	K3028a	M210c	8 Chan Analog;R(on)250Ω.
17▼	AD7501J	30		MON	4.0%	.80*	15	15	450m	0	75	K3015	M361	8 Chan;R(ON) 170Ω;ton,toff 800ns.
18▼	AD7502J	30		MON	4.0%	.80*	15	15	450m	0	75	K3016	M361	4 Chan;R(ON) 170Ω;ton,toff 800ns.
19▼	AD7503JD	30		MON	4.0%	80*	15	15	450m	0	75	K3015	M361	8 Chan;R(ON) 170Ω,ton,toff 800ns.
20♦	HI-1L506A2	30		MON	4.0%	80*	15	15	1.2	-55	125	K3029	M349	16 Chan Analog;R(on)1.2kΩ;ton,toff 300ns.
21♦	HI-1L506A5	30		MON	4.0%	.80*	15	15	1.2	0	75	K3029	M349	16 Chan Analog;R(on)1.5kΩ;ton,toff 300ns.
22▼	HI-1L507A2	30		MON	4 0%	80*	15	15	1.2	-55	125	K3092	M349	Dual 8 Chan;R(on)1.2kΩ;ton,toff 300ns.
23▼	HI-1L507A5	30		MON	4.0%	.80*	15	15	1 2	0	75	K3092	M349	Dual 8 Chan,R(on)1.5kΩ;ton,toff 300ns.
24♦	T217	30	10M	PCB	5.0	0.0	4.8	5.2	650m	0	70		CB☑	Four-Input Digital Multiplexer.
25♦	350AJ	30		MON	6 5*	5.0%	0 0	15	640mt	-30	70	K3036	M319	8 Input Multiplexer;Isink 25mA max.
26♦	350AL	30		MON	6.5*	5.0%	0.0	15	640mt	-30	70	K3036	M200j	8 Input Multiplexer;Isink 25mA max.
27♦	350BL	30		MON	6.5*	5.0%	0.0	12	429mt	-55	125	K3036	M200j	8 Input Multiplexer;Isink 25mA max.
28♦	350CJ	30		MON	6.5*	5.0%	0.0	12	429mt	-30	85	K3036	M319	8 Input Multiplexer;Isink 25mA max.
29♦	350CL	30		MON	6.5*	5.0%	0.0	12	429mt	-30	85	K3036	M200j	8 Input Multiplexer;Isink 25mA max.
30♦	350ML	30		MON	6.5*	5.0%	0.0	15	640mt	-55	125	K3036	M200j	8 Input Multiplexer,Isink 25mA max.
31♦	351AJ	30		MON	6.5*	5.0%	0.0	12	640mt	-30	70	K308a	M319	Dual 4 Input Multiplexer;Isink 25mA max.
32♦	351AL	30		MON	6.5*	5.0%	0.0	12	640mt	-30	70	K308a	M200j	Dual 4 Input Multiplexer;Isink 25mA max.
33♦	351BL	30		MON	6.5*	5.0%	0.0	12	429mt	-55	125	K308a	M200j	Dual 4 Input Multiplexer;Isink 25mA max.
34♦	351CJ	30		MON	6.5*	5 0%	0 0	12	429mt	-30	85	K308a	M319	Dual 4 Input Multiplexer,Isink 25mA max.
35♦	351CL	30		MON	6.5*	5.0%	0.0	12	429mt	-30	85	K308a	M200j	Dual 4 Input Multiplexer,Isink 25mA max.
36♦	351ML	30		MON	6.5*	5.0%	0.0	15	640mt	-55	125	K308a	M200j	Dual 4 Input Multiplexer,Isink 25mA max.
37♦	DG503BK	30		MOS	8.5	60	20	10	450m	-20	85	K305b	TO116	8-Chan.Multiplex Sw.;ton 1.5us;toff 1.0us
38♦	MC14016AL	30		MOS	9.99%	.01*†	0.0	10	100n%	-55	125	K304	TO116	Quad Analog Sw/Quad Multiplier.
39♦	MC14016CL,P%	30		MOS	9.99%	.01*†	0 0	10	100n%	-40	85	K304	TO116	Quad Analog Sw/Quad Multiplier.
40♦	MC14512AL	30		MOS	9.99%	.01*†	0 0	10	75n%	-55	125	K305d	M191	8-Channel Data Selector.
41♦	MC14512CL	30		MOS	9.99%	.01*†	0.0	10	75n%	-40	85	K305d	M191	8-Channel Data Selector
42♦	MC14512CP	30		MOS	9.99%	.01*†	0.0	10	75n%	-40	85	K305d	M278	8-Channel Data Selector.
43♦	MC14519AL#1	30		MOS	9.99%	.01*†	0.0	10	10u%	-55	125	K306	M191	Quad 2-Channel Data Select.
44♦	MC14519CL#1	30		MOS	9.99%	.01*†	0.0	10	100u%	-40	85	K306	M191	Quad 2-Channel Data Select.
45▼	MC14519CP#1	30		MOS	9.99%	.01*†	0.0	10	100u%	-40	85	K306	M278	Quad 2 Channel Data Select.
46♦	MC14539AL	30		MOS	9.99%	01*†	0.0	10	100u%	-55	125	K3061	M191	Dual 4-Channel Data Selector/Multiplexer.
47♦	MC14539CL	30		MOS	9.99%	.01*†	0 0	10	1.0m%	-40	85	K3061	M191	Dual 4-Channel Data Selector/Multiplexer.
48♦	MC14539CP	30		MOS	9.99%	.01*†	0.0	10	1.0m%	-40	85	K3061	M278	Dual 4-Channel Data Selector/Multiplexer.
49♦	MC14555AL	30		MOS	9.99%	.01*†	0.0	10	100u%	-55	125	K3062	M191	Dual Binary to 1-of-4 Dec./Demultiplexer.
50♦	MC14555CL	30		MOS	9.99%	01*†	0 0	10	1.0m%	-40	85	K3062	M191	Dual Binary to 1-of-4 Dec./Demultiplexer.
51♦	MC14555CP	30		MOS	9.99%	01*†	0 0	10	1.0m%	-40	85	K3062	M278	Dual Binary to 1-of-4 Dec./Demultiplexer.
52♦	MC14556AL	30		MOS	9.99%	.01*†	0.0	10	100u%	-55	125	K3062a	M191	Dual Binary to 1-of-4 Dec./Demultiplexer
53♦	MC14556CL	30		MOS	9 99%	01*†	0.0	10	1.0m%	-40	85	K3062a	M191	Dual Binary to 1-of-4 Dec./Demultiplexer.
54♦	MC14556CP	30		MOS	9.99%	.01*†	0.0	10	1.0m%	-40	85	K3062a	M278	Dual Binary to 1-of-4 Dec./Demultiplexer.
55▼	CM4108AD	30	2.0MΔ	MOS	-1.5	-4.2*	15	0.0	600m	-55	125	K3093	M☑	16 Channel Random Access Multiplexer.
56▼	CM4108AE	30	2.0MΔ	MOS	-1.5	-4.2*	15	0.0	600m	-40	85	K3093	M☑	16 Channel Random Access Multiplexer
57▼	CM4108AF	30	2.0MΔ	MOS	-1.5	-4.2*	15	0.0	600m	-55	125	K3093	FP☑	16 Channel Random Access Multiplexer.
58♦	UC6410F	30		MOS	-2 0%	-5.0*	0.0	40	900m	-55	125	K3066e	TO87	6 Channel Multiplexer;tr 30ns max
59♦	UC7410F	30		MOS	-2.0%	-5.0*	0 0	40	900m	0	70	K3066e	TO87	6 Channel Multiplexer;tr 30ns max
60♦	W802	30		PCB	-3.0	0.0	15	10		-20	65	K3068	CB31a	Relay Multiplexer.
61♦	A111	30	200k	PCB	-3.0	0.0	15	10	130m	-20	55		CB31	Two Relay Multiplexers.
62♦	MM482	30	2.0M	MOS	-8 0%	-1 0*†	25	.50	40m	-55	125	K3074	TO100	Dual Digital Multiplex Switch.
63♦	MM582	30	2.0M	MOS	-8.0%	-1.0*†	25	.50	40m	0	70	K3074	TO100	Dual Digital Multiplex Switch.
64♦	CD4051AD	30		MOS	10	0.0	5.0	5.0	200m	-55	125	K3053	Δ001AE	CMS Single 8-Channel Multiplexer;tpd 200ns
65♦	CD4051AE	30		MOS	10	0 0	5.0	5.0	200m	-55	125	K3053	Δ001AC	CMS Single 8-Channel Multiplexer,tpd 200ns
66♦	CD4051AK	30		MOS	10	0.0	5 0	5.0	200m	-55	125	K3053	Δ004AG	CMS Single 8-Channel Multiplexer;tpd 200ns
67♦	CD4052AD	30		MOS	10	0 0	5.0	5.0	200m	-55	125	K3054	Δ001AE	CMS Diff.4-Channel Multiplexer;tpd 200ns.
68♦	CD4052AE	30		MOS	10	0.0	5.0	5.0	200m	-55	125	K3054	Δ001AC	CMS Diff.4-Channel Multiplexer;tpd 200ns.
69♦	CD4052AK	30		MOS	10	0.0	5.0	5.0	200m	-55	125	K3054	Δ004AG	CMS Diff. 4-Channel Multiplexer;tpD 200ns.
70♦	CD4053AD	30		MOS	10	0.0	5.0	5.0	200m	-55	125	K3055	Δ001AE	CMS Triple 2-Channel Multipl;tpd 200ns.
71♦	CD4053AE	30		MOS	10	0 0	5.0	5.0	200m	-55	125	K3055	Δ001AC	CMS Triple 2-Channel Multipl;tpd 200ns.
72♦	CD4053AK	30		MOS	10	0.0	5.0	5.0	200m	-55	125	K3055	Δ004AG	CMS Triple 2-Channel Multipl,tpd 200ns.
73♦	MM454F	30		MOS	10%	5 0*	24	0.0	200m	-55	125	K3063	TO86	Four channel analog commutator.
74♦	MM554F	30		MOS	10%	5.0*	24	0.0	200m	-25	70	K3063	TO86	Four channel analog commutator.
75♦	MS504#1	30		MON	12.8%	3.2*	0.0	16	1 0u%	-55	125	K3027	M☑	C/MOS 8 channel Analog Multiplexer;16 Lead
76♦	MS504#2	30		MON	12 8%	3 2*	0.0	16	1.0u%	-55	125	K3027	FP☑	C/MOS 8 channel Analog Multiplexer;16 Lead
77♦	MS504#3	30		MON	12 8%	3 2*	0.0	16	1.0u%	-55	125	K3027	M☑	C/MOS 8 channel Analog Multiplexer;24 Lead
78♦	MS504#4	30		MON	12.8%	3.2*	0.0	16	1.0u%	-55	125	K3027	FP☑	C/MOS 8 channel Analog Multiplexer;24 Lead
79▼	5060	31		3DM			15	15	300m§	-55	100			Analog Divider;Linearity ±.50% FS max.
80▼	5061	31		3DM			15	15	240m§	-55	100			Analog Divider;Linearity ±.10% FS max.
81♦	HBY80801	31		MOH			0	8	1.0	-55	125			4 Bit Arithmetic unit.
82♦	HBY80809	31		MOH			0	8	1.0	0	70			4 Bit Arithmetic unit.
83▼	SN54LS181W	31										K312	Δ019AA	
84♦#	SP521	31	1.0M	MON			0.0	5.0		0	70			5-Bit Binary rate multiplier.
85♦	MC897P	31		MON	.80%	.50*†	0.0	3.6	225mt	0	75	K319	TO116	Dual Full Subtractors;tpd 60ns typ.
86♦	MC997F	31		MON	.82%	.57*	0	4	70mt	-55	125	K319a	TO86	Dual Full Subtractors;tpd 60ns typ.
87♦	MC797F	31		MON	.85%	.46*	0 0	3.6	225mt	15	55	K319	TO86	Dual Full Subtractors;tpd 60ns typ.
88♦	MC797P	31		MON	.85%	.46*	0.0	3.6	225mt	15	55	K319	TO116	Dual Full Subtractors;tpd 60ns typ.
89♦	MC897F	31		MON	.85%	.56*	0	4	70mt	-55	125	K319a	TO86	Dual Full Subtractors;tpd 60ns typ.
90♦	MC1021P	31		MON	-.85%	-1.5*†	5.2	0.0	145mt	0	75	K3110	TO116	Full Subtractor;Fan Out 25.
91♦	MC1221F	31		MON	-.85%	-1 5*†	5 2	0 0	145mt	-55	125	K3110	TO86	Full Subtractor;Fan Out 25.
92♦	MC1221L	31		MON	-.85%	-1.5*†	5.2	0.0	145m	-55	125	K3110	TO116	Full Subtractor;tpd 10ns;Fan Out 15 min.
93▼#	GXB10181	31		MON	-88	-1 7†	5.2	0 0		0	75	K3112	M200f	4 bit ALU/Function Generator;tpd 2.0ns ave
94▼	MC10580F	31		MON	-.93%	-1.6*†	5.2	0.0	360mt	-55	125	K311	FP85	Dual 2-Bit Adder/Subtractor.
95▼	MC10580L	31		MON	-.93%	-1 6*†	5.2	0.0	360mt	-55	125	K311	M191	Dual 2-Bit Adder/Subtractor.
96♦	MC10581F	31		MON	-.93%	-1 6*†	5.2	0 0	600mt	-55	125	K312	FP85	4-Bit Arithmetic Logic Unit/Function Gen.
97♦	MC10581L	31		MON	-.93%	-1.6*†	5.2	0.0	600mt	-55	125	K312	M191	4-Bit Arithmetic Logic Unit/Function Gen.
98♦	MC10180L	31		MON	-.96%	-1.6*†	5 2	0.0	360mt	-30	85	K311	M191	Dual 2-Bit Adder/Subtractor
99▼	MC10180P	31		MON	-.96%	-1.6*†	5.2	0.0	360mt	-30	85	K311	M278	Dual 2-Bit Adder/Subtractor.
100♦	MC10181L	31		MON	-.96%	-1.6*†	5.2	0 0	600mt	-30	85	K3112	M291	4-Bit Arith.Logic Unit/Function Generator.
101♦	MC10181P	31		MON	-.96%	-1 6*†	5.2	0.0	600mt	-30	85	K3112	M237	4-Bit Arith.Logic Unit/Function Generator.
102♦	T221	31		PCB	1.7	.90	0.0	5.0	850m	0	70		CB☑	Arith.Logic Unit;TTL;Adds,Subtracts,etc.
103♦	9340FC	31		MON	1 8%	.85*	0.0	5.25	425mt	0	75	K316	FP66	Arith.Logic Unit;TTL,Adds,Subtracts,etc.
104▼	5535	31		PCB	2.0%	45*	0.0	5.0	940mt	0	70		CB62	ALU/Function Generator;tpd 35ns.
105▼	93L40DC	31			2.0%	.70*	0 0	5.0	110mt	0	75	K313	M246	4 bit;lo 30mA max;tpd 99ns max.
106▼	93L40DM	31			2.0%	.70*	0.0	5.0	110mt	-55	125	K313	M246	4 bit;lo 30mA max;tpd 99ns max.
107▼	93L40FM	31			2.0%	.70*	0.0	5.0	110mt	-55	125	K313	FP105	4 bit;lo 30mA max;tpd 99ns max.
108▼	93L40PC	31			2 0%	.70*	0.0	5.0	110mt	0	75	K313	M197a	4 bit;lo 30mA max;tpd 99ns max.
109▼	93L41DC	31			2.0%	.70*	0.0	5.0	125mt	0	75	K314	M246	4 bit ALU/Function Generator;tpd 80ns max
110▼	93L41DM	31			2.0%	.70*	0.0	5.0	125mt	-55	125	K314	M246	4 bit ALU/Function Generator;tpd 80ns max

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPER-ATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1▼	93L41FM	31			2.0%	.70*	0 0	5.0	125mt	-55	125	K314	FP105	4 bit ALU/Function Generator;tpd 80ns max
2▼	93L41PC	31			2.0%	.70*	0 0	5.0	125mt	0	75	K314	M197a	4 bit ALU/Function Generator;tpd 80ns max
3▼	AM25L06DC	31			2.0%	.70*	0.0	5.0	125mt	0	75	K315	M246	4 bit ALU/Function Generator w/Outp Latch
4▼	AM25L06DM	31			2.0%	.70*	0 0	5.0	125mt	-55	125	K315	M246	4 bit ALU/Function Generator w/Outp Latch
5▼	AM25L06FM	31			2.0%	.70*	0 0	5.0	125mt	-55	125	K315	FP105	4 bit ALU/Function Generator w/Outp Latch
6▼	AM25L06PC	31			2.0%	.70*	0.0	5 0	125mt	0	75	K315	M197a	4 bit ALU/Function Generator w/Outp Latch
7♦	SN54LS181J	31		MON	2.0%	70*	0.0	5.0	105mt	-55	125	K312	Δ015AA	Arithmetic Logic Unit/Function Generator.
8♦	SN54LS181N	31		MON	2 0%	70*	0 0	5 0	105mt	-55	125	K312	M186	Arithmetic Logic Unit/Function Generator.
9♦	9340DC	31		MON	2 0%	80*	0.0	5.0	640m%	0	75	K313	M246	4 bit ALU,lo 30mA max;tpd 38ns max.
10♦	9340DM	31		MON	2.0%	.80*	0 0	5 0	635m%	-55	125	K313	M246	4 bit ALU;lo 30mA max;tpd 38ns max.
11♦	9340FM	31		MON	2.0%	80*	0.0	5.0	635m%	-55	125	K313	FP105	4 bit ALU,lo 30mA max;tpd 38ns max.
12▼	9340PC	31		MON	2.0%	.80*	0.0	5 0	640m%	0	75	K313	M197a	4 bit ALU;lo 30mA max;tpd 38ns max.
13♦	9341DC	31			2 0%	.80*	0.0	5.0	750m%	0	75	K314	M246	4 bit ALU/Function Generator;tpd 37ns max
14♦	9341DM	31			2 0%	.80*	0.0	5.0	675m%	-55	125	K314	M246	4 bit ALU/Function Generator;tpd 37ns max
15♦	9341FC	31		MON	2.0%	.80*	0.0	5.0	750m§	0	75	K317	FP66a	4 Bit Arithmetic Logic Unit;tpd 44ns max.
16♦	9341FM	31			2.0%	.80*	0 0	5 0	675m%	-55	125	K314	FP105	4 bit ALU/Function Generator;tpd 37ns max
17▼	9341PC	31		MON	2.0%	80*	0 0	5.0	750m%	0	75	K314	M197a	4 bit ALU/Function Generator;tpd 37ns max
18▼	AM2506DC	31			2 0%	.80*	0.0	5 0	750m%	0	75	K315	M246	4 bit ALU/Function Generator w/Outp Latch
19▼	AM2506DM	31			2 0%	.80*	0.0	5.0	675m%	-55	125	K315	M246	4 bit ALU/Function Generator w/Outp Latch
20▼	AM2506FM	31			2.0%	.80*	0.0	5.0	675m%	-55	125	K315	FP105	4 bit ALU/Function Generator w/Outp Latch
21▼	AM2506PC	31			2.0%	.80*	0.0	5.0	750m%	0	75	K315	M197a	4 bit ALU/Function Generator w/Outp Latch
22♦#	FJB9340	31		MON	2.0%	.80*	0.0	5.0	425mt	0	70	K316	M186b	4 Bit Arithmetic Logic Unit;tpd 37ns max.
23♦#	FJB9341	31		MON	2.0%	.80*	0.0	5.0	750m%	0	70	K314	M186b	4 Bit Arithmetic Logic Unit;tpd 44ns max.
24♦#	FJH451	31		MON	2 0%	.80*	0.0	5.0	700m§	0	75	K3117	M199b	4 bit ALU;tpd 25ns max.
25♦#	FLH401-74181	31		MON	2.0%	.80*	0.0	5.0	750m§	0	70	K312	M186	4 Bit Arithmetic Logic Unit;tpd 48ns max.
26♦#	FLH405-84181	31		MON	2.0%	80*	0 0	5.0	750m§	-25	85	K312	M186	4 Bit Arithmetic Logic Unit,tpd 48ns max.
27▼#	GTB74S181	31		MON	2 0%	.80*	0.0	5.0	19mt	0	70	K312	M199b	4 bit ALU;tpd 3.0ns.
28♦	JANM38510/01101BJB	31		MON	2 0%	80*	0.0	5.5	795m	-55	125	K3117	FP82	TTL ALU/Function Generator;tpd 76ns max
29♦	JANM38510/01101BJC	31		MON	2.0%	.80*	0 0	5 5	795m	-55	125	K3117	FP82	TTL ALU/Function Generator;tpd 76ns max.
30♦	JANM38510/01101BKB	31		MON	2.0%	.80*	0.0	5 5	795m	-55	125	K3117	M277	TTL ALU/Function Generator;tpd 76ns max.
31♦	JANM38510/01101BKC	31		MON	2.0%	.80*	0.0	5 5	795m	-55	125	K3117	M277	TTL ALU/Function Generator;tpd 76ns max.
32♦	JANM38510/01101CJB	31		MON	2 0%	80*	0 0	5 5	795m	-55	125	K3117	FP82	TTL ALU/Function Generator;tpd 76ns max.
33♦	JANM38510/01101CJC	31		MON	2.0%	80*	0.0	5.5	795m	-55	125	K3117	FP82	TTL ALU/Function Generator;tpd 76ns max.
34♦	JANM38510/01101CKB	31		MON	2.0%	.80*	0.0	5.5	795m	-55	125	K3117	M277	TTL ALU/Function Generator;tpd 76ns max.
35♦	JANM38510/01101CKC	31		MON	2.0%	80*	2.0	5.5	795m	-55	125	K3117	M277	TTL ALU/Function Generator,tpd 76ns max.
36♦#	M54401P	31		MON	2.0%	80*	0 0	7.0	270m	0	75	K318	M105J	Dual Full Adder/Full Subtractor.
37♦#	MIC54181J	31		MON	2 0%	.80*	0.0	5.0	675mt	-55	125	K312	M277	Arithmetic Logic Unit/Function Generators.
38♦#	MIC64181J	31		MON	2 0%	.80*	0.0	5.0	750mt	-40	85	K312	M277	Arithmetic Logic Unit/Function Generators
39♦#	MIC74181J	31		MON	2 0%	80*	0 0	5.0	750mt	0	75	K312	M277	Arithmetic Logic Unit/Function Generators
40♦#	MIC74181N	31		MON	2.0%	.80*	0.0	5.0	750mt	0	75	K312	M197c	Arithmetic Logic Unit/Function Generators.
41♦#	SFC4181E	31		MON	2.0%	.80*	0.0	5 0		0	70	K312	M186	Arithmetic Logic Units/Function Generators
42♦#	SFC4181EM	31		MON	2 0%	.80*	0.0	5.0		-55	125	K312	M186	Arithmetic Logic Units/Function Generators
43♦#	SFC4181ET	31		MON	2.0%	.80*	0.0	5.0		-25	85	K312	M186	Arithmetic Logic Units/Function Generators
44▼	SN54S181W	31		MON	2 0%	.80*	0.0	5.0	600m%	-55	125	K312	Δ019AA	Arithmetic Logic Units/Function Generators
45♦	SN74LS181J	31		MON	2.0%	80*	0.0	5.0	105mt	0	70	K312	Δ015AA	Arithmetic Logic Unit/Function Generator.
46♦	SN74LS181N	31		MON	2.0%	.80*	0.0	5.0	105mt	0	70	K312	M186	Arithmetic Logic Unit/Function Generator.
47▼	SN74LS181W	31		MON	2 0%	.80*	0.0	5.0	105m%	0	70	K312	Δ019AA	Arithmetic Logic Units/Function Generators
48▼	SN74S181J	31		MON	2 0%	.80*	0.0	5.0	600m%	0	70	K312	Δ015AA	Arithmetic Logic Units/Function Generators
49▼	SN74S181N	31		MON	2.0%	.80*	0.0	5.0	600m%	0	70	K312	M186	Arithmetic Logic Units/Function Generators
50▼	SN74S381N	31		MON	2.0%	.80*	0.0	5 0	525mt	0	70	K3116	K31	4-Bit Parallel ALU/Func.Gen.
51♦	SN54181J	31		MON	2.0%	80*	0.0	5 0	675m%	-55	125	K312	Δ015AA	Arithmetic Logic Unit/Function Generator.
52♦	SN54181W	31		MON	2.0%	.80*	0.0	5.0	675m%	-55	125	K312	Δ019AA	Arithmetic Logic Unit/Function Generator.
53♦	SN74181J	31		MON	2.0%	.80*	0.0	5.0	750m%	0	70	K312	Δ015AA	Arithmetic Logic Unit/Function Generator.
54♦	SN74181N	31		MON	2.0%	80*	0.0	5 0	750m%	0	70	K312	M186	Arithmetic Logic Units/Function Generators
55♦	SW54181J	31		MON	2.0%	80*	0.0	5.0	675mt	-55	125	K312	M197	Arithmetic Logic Units/Function Generators
56♦	SW74181J	31		MON	2.0%	.80*	0.0	5.0	750mt	0	70	K312	M197	Arithmetic Logic Units/Function Generators
57♦	SW74181N	31		MON	2.0%	.80*	0.0	5 0	750m%	0	70	K312	M274	Arithmetic Logic Unit/Function Generator.
58♦	T54S181	31		MON	2.0%	.80*	0.0	5.0	800m§	-55	125	K312	M277a	Arith.Logic Unit Function Gener;tpd30nsmax
59♦	T54S181A	31		MON	2 0%	80*	0.0	5.0	675m§	-55	125	K312	M277a	Arith.Logic Unit Function Gener;tpd30nsmax
60♦	T74S181	31		MON	2.0%	.80*	0.0	5.0	11 §	0	70	K312	M277a	Arith.Logic Unit Function Gener;tpd30nsmax
61♦#	TL74181N	31		MON	2.0%	.80*	0.0	5.0	315mt	0	70	K312	M186	Arithmetic Logic Unit/Function Generator.
62♦	MC54181F	31		MON	2.4%	40*†	0.0	5.0	470mt	-55	125	K3113	FP91	4-Bit Arithmetic Logic Unit/Function Gen.
63♦	MC54181L	31		MON	2.4%	.40*†	0.0	5.0	470mt	-55	125	K3113	M291	4-Bit Arithmetic Logic Unit/Function Gen.
64♦	MC74181F	31		MON	2.4%	.40*†	0.0	5.0	470mt	0	75	K3113	FP91	4-Bit Arithmetic Logic Unit/Function Gen.
65♦	MC74181L	31		MON	2.4%	.40*†	0.0	5.0	470mt	0	75	K3113	M291	4-Bit Arithmetic Logic Unit/Function Gen.
66♦	MC74181P	31		MON	2.4%	.40*†	0.0	5.0	470mt	0	75	K3113	M237	4-Bit Arithmetic Logic Unit/Function Gen.
67♦	54R181	31			2.5	.40	0.0	5.0	675m	-55	125			Arithmetic Logic Unit/Function Generator.
68♦	74R181	31			2.5	40	0.0	5.0	750m	0	75			Arithmetic Logic Unit/Function Generator.
69♦	MC7260F	31		MON	2.6%	.40*†	0.0	5.0	400mt	0	75	K3111	FP91	Arithmetic Logic Element.
70♦	MC7260L	31		MON	2.6%	.40*†	0.0	5.0	400mt	0	75	K3111	M291	Arithmetic Logic Element.
71♦	MC7260P	31		MON	2.6%	40*†	0.0	5.0	400mt	0	75	K3111	M237	Arithmetic Logic Element.
72♦	MC8260F	31		MON	2.6%	.40*†	0.0	5.0	400mt	-55	125	K3111	FP91	Arithmetic Logic Element.
73♦	MC8260L	31		MON	2.6%	40*†	0.0	5 0	400mt	-55	125	K3111	M291	Arithmetic Logic Element.
74♦	N8260N	31		MON	2 6%	.40†*	0.0	5 0	600m	0	75	K3111	M237	Arithmetic Logic Element;Gate Array.
75♦	N8260P	31		MON	2 6%	.40†	0.0	5.0	600m	0	75	K3111	FP59	Arithmetic logic element;gate array.
76♦	N8260Y	31		MON	2 6%	.40†*	0.0	5.0	600m	0	75	K3111	M270	Arithmetic Logic Element;Gate Array.
77♦	S8260N	31		MON	2.6%	.40†*	0.0	5.0	600m	-55	125	K3111	M237	Arithmetic Logic Element;Gate Array.
78♦	S8260P	31		MON	2.6%	.40†	0.0	5 0	600m	-55	125	K3111	FP59	Arithmetic logic element;gate array.
79♦	S8260Y	31		MON	2.6%	.40†*	0.0	5 0	600m	-55	125	K3111	M270	Arithmetic Logic Element;Gate Array.
80♦	MC14581AL	31		MOS	4.99%	01*†	0 0	10	100u%	-55	125	K3113	M292	4-Bit Arithmetic Logic Unit
81♦	MC14581CL	31		MOS	4.99%	.01*†	0 0	10	1.0m%	-40	85	K3113	M292	4-Bit Arithmetic Logic Unit
82♦	CD4057AD	31	900kΔ%	MOS	4.99*	.01†%	0.0	5.0	200m	-55	125	K3114	Δ015AH	CMS LSI 4 Bit Arith.Logic Unit;tpd5.4usmax
83♦	CD4057AH	31	900kΔ%	MOS	4.99*	.01†%	0.0	5.0	200m	-55	125	K3114	FC6c	CMS LSI 4 Bit Arith.Logic Unit;tpd5.4usmax
84♦	EA1800	31	1 0M	MOS	-9.0%	-2 0*	26	0.0	1 0	-55	85	K3115	M193	Arithmetic/Logic array;tp D250ns.
85♦#	SP522	32	1.0M	MON			0.0	5.0		0	70			Phase Lock Dig.Filter/Frequency Comparator
86♦	MC1650S	32		MON	-.86	-1.7†	5.2	5.2	275mt	0	75	K321	FP78	Dual A/D Comparator.
87♦	MC1651S	32		MON	-.86	-1.7†	5.2	5.2	275mt	0	75	K321	FP78	Dual A/D Comparator.
88♦	MC1650L	32		MON	-.96%	-1.6*	5.2	0.0	330mt	-30	85	K321	M191	Dual;tpd 3.5nst;MECL III.
89♦	MC1651L	32		MON	-.96%	-1 6*	5.2	0 0	330mt	-30	85	K321	M191	Dual,tpd 3.0nst;MECL III.
90♦	9324FC	32		MON	1.8%	85*	0.0	5.25	385m%	0	75	K327	FP47b	5 Bit TTL Comparator.
91♦	5586	32	20MΔ%PCB		2.0%	45*	0.0	5.0	800m§	0	70	K3219	CB62	3x4 bit Digital;Average tpd 16ns.
92♦	93L24DC	32			2.0%	.70*	0.0	5.0	52mt	0	75	K322	M224c	5 bit;lo 30mA max;tpd 102ns max.
93♦	93L24DM	32			2 0%	70*	0.0	5.0	52mt	-55	125	K322	M224c	5 bit;lo 30mA max;tpd 102ns max.
94♦	93L24FM	32			2.0%	.70*	0.0	5.0	52mt	-55	125	K322	FP79b	5 bit;lo 30mA max;tpd 102ns max.
95▼	93L24PC	32			2.0%	.70*	0.0	5.0	52mt	0	75	K322	M357	5 bit;lo 30mA max;tpd 102ns max.
96♦#	FJB93L24	32		MON	2.0%	70*	0.0	5.0	52mt	0	70	K327	M210a	5 Bit Comparator;lo 30mA;tpd 55ns.
97♦	SN54L85J	32		MON	2.0%	.70*	0.0	5.0	20mt	-55	125	K3217	M153d	4Bit Magnitude Comparator;FanOut 30.
98♦	SN54L85N	32		MON	2 0%	.70*	0.0	5.0	20mt	-55	125	K3217	M117x	4-Bit Magnitude Comparator;Fan Out 30.
99♦	SN74L85J	32		MON	2.0%	.70*	0.0	5.0	20mt	0	70	K3217	M153d	4Bit Magnitude Comparator;FanOut 30.
100♦	SN74L85N	32		MON	2.0%	.70*	0.0	5.0	20mt	0	70	K3217	M117x	4Bit Magnitude Comparator;FanOut 30.
101♦	9324DC	32		MON	2 0%	80*	0.0	5 0	345m%	0	75	K322	M224c	5 bit;lo 30mA max;tpd 49ns max.
102♦	9324DM	32		MON	2.0%	.80*	0.0	5.0	320m%	-55	125	K322	M224c	5 bit;lo 30mA max;tpd 49ns max.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0'
(4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1♦	9324FM	32		MON	2.0%	.80*	0.0	5.0	320m%	-55	125	K322	FP79b	5 bit;lo 30mA max;tpd 49ns max.
2▼	9324PC	32		MON	2.0%	.80*	0 0	5.0	345m%	0	75	K322	M357	5 bit;lo 30mA max;tpd 49ns max.
3♦	DM7130D	32			2.0%	.80*	0.0	5.0	240m†	-55	125	K3214	M197	10 bit Comparator;tpd 20ns;Vo 5.5V.
4♦	DM7160J	32			2.0%	.80*	0.0	5.0	205m†	-55	125	K3215	M200e	6 bit Comparator;tpd 20ns;Vo 5.5V.
5♦	DM8130N	32			2.0%	.80*	0.0	5.0	240m†	0	70	K3214	M306	10 bit Comparator;tpd 20ns;Vo 5.5V.
6♦	DM8160J	32			2.0%	.80*	0.0	5.0	205m†	0	70	K3215	M200e	6 bit Comparator;tpd 20ns;Vo 5.5V.
7♦	DM8160N	32			2.0%	.80*	0.0	5.0	205m†	0	70	K3215	M117t	6 bit Comparator;tpd 20ns;Vo 5.5V.
8♦	DM8200N	32		MON	2.0%	.80*	0.0	5.0	265m%	0	70	K3210	M126d	4 Bit Comparator;tpd 24ns.
9♦#	FJB9324	32		MON	2.0%	.80*	0.0	5.0	405m%	0	70	K327	M210a	5 Bit Comparator;lo 30mA;tpd 48ns max.
10♦#	FLH431-7485	32		MON	2.0%	.80*	0.0	5.0	440m§	0	70	K323	M117w	4 Bit Comparator;tpd 35ns max.
11♦#	FLH435-8485	32		MON	2.0%	.80*	0.0	5.0	440m§	-25	85	K323	M117w	4 Bit Comparator;tpd 35ns max.
12♦#	SFC485E	32			2.0%	.80*	0.0	5.0	280m†	0	70	K329	M117	4 Bit Magnitude Comparator;tpd 35ns max.
13♦#	SFC485EM	32			2.0%	.80*	0.0	5.0	280m†	-55	125	K329	M117	4 Bit Magnitude Comparator;tpd 35ns max.
14♦#	SFC485ET	32			2.0%	.80*	0.0	5.0	280m†	-25	85	K329	M117	4 Bit Magnitude Comparator;tpd 35ns max.
15♦	T9324F	32		MON	2.0%	.80*	0.0	5.0	405m§	0	75	K327	FP101a	TTL Five Bit Comparator;tpd 48ns max.
16♦	T9324FM	32		MON	2.0%	.80*	0.0	5.0	405m§	-55	125	K327	FP101a	TTL Five Bit Comparator;tpd 45ns max.
17♦	T9324J	32		MON	2.0%	.80*	0.0	5.0	405m§	0	75	K327	M153c	TTL Five Bit Comparator;tpd 48ns max.
18♦	T9324JM	32		MON	2.0%	.80*	0.0	5.0	405m§	-55	125	K327	M153c	TTL Five Bit Comparator;tpd 45ns max.
19♦#	TL7485N	32		MON	2.0%	.80*	0.0	5.0	462m†	0	70	K323	M117u	4Bit Comparator;tpd 35ns max.
20♦	DM7200D	32	20M	MOS	2.0%	.80*	0	5.0	175m	-55	125	K3210	M75f	4 Bit Comporator
21♦	D4213	32	10M	PCB	2.0%	.95*	0	5	350m	0	75		CB☑	Digital Magnitude Comparator, 4 Bits.
22♦	D4214	32	10M	PCB	2.0%	1.1*	0	5	700m	0	75		CB☑	Digital Magnitude Comparator, 8 Bit.
23♦	D4215	32	10M	PCB	2.0%	1.1*	0	5	900m	0	75		CB☑	Digital Magnitude Comparator, 12 Bit.
24♦	D4216	32	10M	PCB	2.0%	1.1*	0	5	1.1	0	75		CB☑	Digital Magnitude Comparator, 16 Bits.
25♦	MC8324F	32		MON	2 4%	40*†	0 0	5.0	220m†	0	75	K322	FP85	5-Bit Comparator.
26♦	MC8324L	32		MON	2.4%	.40*†	0.0	5.0	220m†	0	75	K322	M191	5-Bit Comparator.
27♦	MC8324P	32		MON	2.4%	.40*†	0.0	5.0	220m†	0	75	K322	M278	5-Bit Comparator.
28♦	MC9324F	32		MON	2.4%	.40*†	0.0	5.0	220m†	-55	125	K322	FP85	5-Bit Comparator.
29♦	MC9324L	32		MON	2.4%	.40*†	0.0	5.0	220m†	-55	125	K322	M191	5-Bit Comparator.
30♦	MC4021P	32		MON	2.5%	.40*†	0.0	5.0	250m†	0	75	K3211	M278	Dual 4-Bit Comparator.
31♦	MC4022P	32		MON	2.5%	.40*†	0.0	5.0	250m†	0	75	K3211	M278	Dual 4-Bit Comparator.
32♦	N8269A	32		MON	2.6%	.40†*	0.0	5.0	278m	0	75	K3216	TO116	4 bit Comparator.
33♦	N8269F	32		MON	2.6%	.40†*	0.0	5.0	278m	0	75	K3216	M157	4 bit Comparator.
34♦	N8269Q	32		MON	2.6%	.40†*	0.0	5.0	278m	0	75	K3216	TO88	4 bit Comparator.
35♦	S8269A	32		MON	2.6%	.40†*	0.0	5.0	278m	-55	125	K3216	TO116	4 bit Comparator.
36♦	S8269F	32		MON	2.6%	.40†*	0.0	5.0	278m	-55	125	K3216	M157	4 bit Comparator.
37♦	S8269Q	32		MON	2.6%	.40†*	0.0	5.0	278m	-55	125	K3216	TO88	4 bit Comparator.
38♦#	SP740BE	32		MON	3.5%	.40*△	7.0	5.0	230m%	-55	125	K324	M105z	Current comparator;DTL/TTL outp;td 63ns.
39♦#	SP740BF	32		MON	3.5%	.40*△	7.0	5.0	230m%	-55	125	K324	FP2d	Current comparator;DTL/TTL outp;toff 63ns.
40♦#	SP740BT	32		MON	3.5%	.40*△	7.0	5.0	230m%	-55	125	K324	CN58a	Current comparator;DTL/TTL Outp;toff 63ns.
41♦	I209	32	5.0M	PCB	5.0	0.0	0.0	5.0	500m%			K3213	CB☑	Digital comparator; prop delay 125ns.
42♦	T218	32	15M	PCB	5.0	0.0	0.0	5.0	1.0 %			K3218	CB☑	Four bit digital comparator.
43♦	FCH281	32			6.0	0.0			50m	0	75	K328	M126c	5 Bit Comparator.
44♦	343AJ	32		MON	6.5*	5.0%	0.0	15	840m†	-30	70	K326	M319	4 Bit Dig Comparator;tpd 1.0us max
45♦	343AL	32		MON	6.5*	5.0%	0.0	15	840m†	-30	70	K326	M200j	4 Bit Dig Comparator;tpd 1.0us max.
46♦	343BL	32		MON	6.5*	5.0%	0.0	12	504m†	-55	125	K326	M200j	4 Bit Dig Comparator;tpd 1.0us max.
47♦	343CJ	32		MON	6.5*	5.0%	0.0	12	504m†	-30	85	K326	M319	4 Bit Dig Comparator;tpd 1.0us max.
48♦	343CL	32		MON	6.5*	5.0%	0.0	12	504m†	-30	85	K326	M200j	4 Bit Dig Comparator;tpd 1.0us max.
49♦	343ML	32		MON	6.5*	5.0%	0.0	15	840m†	-55	125	K326	M200j	4 Bit Dig Comparator;tpd 1.0us max.
50♦#	MIC343-1D	32		MON	6.5%	5.0*	0	12		-55	125	K326	M200d	4-Bit Comparator.
51♦#	MIC343-1D1	32		MON	6.5%	5.0*	0	15		-55	125	K326	M200d	4-Bit Comparator.
52♦#	MIC343-5D	32		MON	6.5%	5.0*	0	12		-30	85	K326	M200d	4-Bit Comparator.
53♦#	MIC343-5D1	32		MON	6.5%	5.0*	0	15		-30	70	K326	M200d	4-Bit Comparator.
54♦	MC14585AL	32		MOS	9.99%	.01*†	0.0	10	100u%	-55	125	K3212	M191	4-Bit Magnitude Comparator.
55♦	MC14585CL	32		MOS	9.99%	.01*†	0.0	10	1.0m%	-40	85	K3212	M191	4-Bit Magnitude Comparator.
56♦	MC14585CP	32		MOS	9.99%	.01*†	0.0	10	1.0m%	-40	85	K3212	M278	4-Bit Magnitude Comparator.
57♦#	SP741BF	32		MON	-1.6%	.85*△	5.2	5.0	200m%	-55	125	K325	FP2d	Curr.comp.;ECL/ECL T.C.outp;toff 50ns.
58♦#	SP741BT	32		MON	-1.6%	.85*△	5.2	5.0	200m%	-55	125	K325	CN58a	Curr.comp.;ECL/ECL T.C.Outp;toff 50ns.
59♦#	SP741BE	32		MON	-1.6%	-.85†△	5.2	5.0	200m%	-55	125	K325	M105z	Current comparator;ECL/ECL T.C.out;td 50ns
60▼	CD4063AE	32		MOS	10	0.0†	0.0	10	10u%	-40	85		△001AC	4-Bit Magnitude Comparator;tpd 180ns.
61♦	MC1046P	33		MON	-.85%	1.5*†	5.2	0.0	205m	0	75	K337	M114	Eight Bit Parity Checker and Generator.
62♦#	GXB10160	33		MON	-.88	-1 7†	5.2	0.0	310m†	0	75	K331	M200n	ECL,12 Bit Parity Checker/Generator.
63▼	MC10560F	33		MON	-.93%	-1.6*†	5.2	0.0	320m†	-55	125	K331	FP85	12 Bit;tpd 4.0ns†.
64♦	MC10560L	33		MON	-.93%	-1.6*†	5 2	0.0	320m†	-55	125	K331	M191	12 Bit;tpd 4.0ns†.
65♦	MC10160L	33		MON	-.96%	-1.6*†	-5.2	0.0	320m†	-30	85	K331	M191	12 Bit;tpd 5.0ns†;tr and tf 3.3ns△.
66▼	MC10160P	33		MON	-.96%	-1.6*†	5.2	0.0	320m†	-30	85	K331	M278	12 Bit;tpd 5.0ns†;tr and tf 3.3ns△.
67♦	9348DC	33			2.0%	.80*	0.0	5.0	410m%	0	75	K335	M200	Parity Checker/Generator;tpd 55ns max.
68♦	9348DM	33			2.0%	.80*	0.0	5.0	410m%	-55	125	K335	M200	Parity Checker/Generator;tpd 53ns max.
69♦	9348FC	33		MON	2.0%	.80*	0.0	5.0	410m§	0	75	K335	FP47b	Parity Checker/Generator;tpd 55ns max.
70♦	9348FM	33			2.0%	.80*	0.0	5.0	410m%	-55	125	K335	FP47b	Parity Checker/Generator;tpd 53ns max.
71♦	DM7220D	33			2.0%	.80*	0.0	5.0	192m%	-55	125	K336	M105aq	Parity Generator and checker;tpD 58ns max.
72♦	DM7220N	33			2.0%	.80*	0.0	5.0	192m%	-55	125	K336	M126d	Parity Generator and Checker,tpd 58ns max
73♦	DM8220D	33			2.0%	.80*	0.0	5.0	183m%	0	70	K336	M105aq	Parity Generator and checker. tpD 58ns max
74♦#	FJB9348	33		MON	2.0%	.80*	0.0	5.0	410m%	0	70	K335	M210a	12 Input Parity Checker/Generator;tpd 55ns
75♦#	FJB93180	33		MON	2.0%	.80*	0.0	5.0	170m†	0	70	K333	△001AA	8 Bit Odd/Even Parity Generator/Checker.
76♦	FJH281	33		MON	2.0%	.80*	0.0	5.0	170m	0	70	K332	M105d	8 Bit Parity Checker/Generator.
77♦#	FLH421-74180	33		MON	2.0%	.80*	0.0	5.0	280m§	0	70	K332	M126p	8 Bit Parity-Generator;tpd 68ns max.
78♦#	FLH425-84180	33		MON	2.0%	.80*	0.0	5.0	280m§	-25	85	K332	M126p	8 Bit Parity-Generator;tpd 68ns max.
79▼#	GTB74S180	33		MON	2.0%	.80*	0.0	5.0	19m†	0	70	K332	M126n	8 bit Parity Checker/Generator.
80♦#	M53380P	33		MON	2.0%	.80*	0.0	7.0	170m†	0	75	K333	M105j	8 Bit Odd/Even Parity Generator/Checker.
81♦#	MIC54180J	33		MON	2.0%	.80*	0.0	5.0	170m†	-55	125	K332	TO116	8-bit Parity Checker/Generator.
82♦#	MIC64180J	33		MON	2 0%	.80*	0.0	5.0	170m†	-40	85	K332	TO116	8-bit Parity Checker/Generator.
83♦#	MIC74180J	33		MON	2.0%	.80*	0.0	5.0	170m†	0	75	K332	TO116	8 Bit Parity Checker/Generator.
84♦#	MIC74180N	33		MON	2.0%	.80*	0.0	5.0	170m†	0	75	K332	M126	8 Bit Parity Checker/Generator.
85♦	N74180A	33		MON	2.0%	.80*	0.0	5.0		0	70	K332	TO116	8 Bit Odd/Even Parity Generator/Checker.
86♦	N74180Q	33		MON	2.0%	.80*	0.0	5.0		0	70	K332	TO88	8 Bit Odd/Even Parity Generator/Checker
87♦	S54180A	33		MON	2.0%	.80*	0.0	5.0		-55	125	K332	TO116	8 bit Odd/Even Parity Generator/Checker.
88♦	S54180F	33		MON	2.0%	.80*	0.0	5.0		-55	125	K332	M157	8 bit Odd/Even Parity Generator/Checker.
89♦	S54180Q	33		MON	2.0%	.80*	0.0	5.0		-55	125	K332	TO88	8 bit Odd/Even Parity Generator/Checker.
90♦#	SFC4180E	33		MON	2.0%	.80*	0.0	5.0		0	70	K332	TO116	8 bit parity Chequer Generator.
91♦#	SFC4180EM	33		MON	2.0%	.80*	0.0	5.0		-55	125	K332	TO116	8 bit parity Chequer Generator.
92♦#	SFC4180ET	33		MON	2.0%	.80*	0.0	5.0		-25	85	K332	TO116	8 bit parity Chequer Generator.
93♦#	SFC4180PM	33		MON	2.0%	.80*	0.0	5.0		-55	85	K332	TO85	8 bit parity Chequer Generator.
94▼	SN54S280J	33		MON	2.0%	.80*	0.0	5.0	335m%	-55	125	K3314	M157b	9-Bit Odd/Even Parity Gen/Checker.
95▼	SN54S280W	33		MON	2.0%	.80*	0.0	5.0	335m%	-55	125	K3314	△004AA	9-Bit Odd/Even Parity Gen/Checker.
96▼	SN74S280J	33		MON	2.0%	.80*	0.0	5.0	335m%	0	70	K3314	M157b	9-Bit Odd/Even Parity Gen/Checker.
97▼	SN74S280N	33		MON	2.0%	.80*	0.0	5.0	335m%	0	70	K3314	M126e	9-Bit Odd/Even Parity Gen/Checker.
98♦	SN54180J	33		MON	2.0%	.80*	0.0	5.0	170m†	-55	125	K332	M157b	8-Bit Parity Checker/Generator.
99♦	SN54180W	33		MON	2.0%	.80*	0.0	5.0	170m†	-55	125	K332	△004AA	8 Bit Parity Checker/Generator.
100♦	SN74180J	33		MON	2.0%	.80*	0.0	5.0	170m†	0	70	K332	M157b	8-Bit Parity Checker/Generator.
101♦	SN74180N	33		MON	2.0%	.80*	0.0	5.0	170m†	0	70	K332	M126e	8-Bit Parity Checker/Generator.
102♦#	T74180B1	33		MON	2.0%	.80*	0.0	5.0	170m†	0	70		M126h	8 Bit parity checker/gen;tpd 68ns max.
103♦#	TL74180N	33		MON	2.0%	.80*	0.0	5.0	294m†	0	70	K332	M126n	8Bit Parity Checker/Generator;tpd 68ns max
104♦	TRWM121-02	33		MON	2.0%	.80*	0.0	5.0	357m†	0	75	K3311	TO85	8Bit Parity Generator/Checker.
105♦	TRWM121-03	33		MON	2.0%	.80*	0.0	5.0	357m†	0	75	K3311	TO116	8Bit Parity Generator/Checker.
106♦	TRWM123-02	33		MON	2.0%	.80*	0.0	5.0	406m†	-55	125	K3311	TO85	8Bit Parity Generator/Checker.
107♦	TRWM123-03	33		MON	2.0%	.80*	0 0	5.0	406m†	-55	125	K3311	TO116	8Bit Parity Generator/Checker.
108♦	US54180A	33		MON	2.0%	.80*	0.0	5.0	170m†	-55	125	K332	M126k	8 bit parity checker/Generator
109♦	US54180J	33		MON	2.0%	.80*	0.0	5.0	170m†	-55	125	K332	FP39b	8 Bit Parity Checker/Generator
110♦	US74180A	33		MON	2.0%	.80*	0.0	5.0	170m†	0	70	K332	M126k	8 Bit Parity Checker/Generator

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0' (4)MAX OPER FREQ(5)TYPE No.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1♦	US74180J	33		MON	2.0%	.80*	0.0	5.0	170mt	0	70	K332	FP39b	8 Bit Parity Checker/Generator
2♦	MC4308F	33		MON	2.4%	.40t*	0.0	5.0	150mt	-55	125	K338	TO86	8-Bit Parity Tree.
3♦	MC4308L	33		MON	2.4%	.40*t	0.0	5.0	150mt	-55	125	K338	TO116	8-Bit Parity Tree.
4♦	MC4310F	33		MON	2.4%	.40*†	0.0	5.0	125mt	-55	125	K339	TO86	Dual 4-Bit Parity Tree.
5♦	MC4310L	33		MON	2.4%	.40*†	0.0	5.0	125mt	-55	125	K339	TO116	Dual 4-Bit Parity Tree.
6♦	MC54180L	33		MON	2.4%	.40*†	0.0	5.0	170mt	-55	125	K333	TO116	8-Bit Odd/Even Generator/Checker.
7♦	MC54408F	33		MON	2.4%	40*†	0.0	5.0	150mt	-55	125	K338	TO86	8-Bit Parity Tree.
8♦	MC54408L	33		MON	2.4%	.40*†	0.0	5.0	150mt	-55	125	K338	TO116	8-Bit Parity Tree.
9♦	MC74180P	33		MON	2.4%	.40*†	0.0	5.0	170mt	0	75	K333	TO116	8-Bit Odd/Even Generator/Checker.
10♦	MC74408F	33		MON	2.4%	.40*†	0.0	5.0	150mt	0	75	K338	TO86	8-Bit Parity Tree.
11♦	MC74408L,P%	33		MON	2.4%	.40*†	0.0	5.0	150mt	0	75	K338	TO116	8-Bit Parity Tree.
12♦	MC83180P	33		MON	2.4%	.40*†	0.0	5.0	170mt	0	75	K333	TO116	8-Bit Odd/Even Generator/Checker.
13♦	MC93180L	33		MON	2.4%	.40*†	0.0	5.0	170mt	-55	125	K333	TO116	8-Bit Odd/Even Generator/Checker.
14♦	DM8220N	33		MON	2.4	.80*	0	7	135m	0	70			Parity Generator Checker.
15♦	MC4008F	33		MON	2.5%	.40t*	0.0	5.0	150mt	0	75	K338	TO86	8-Bit Parity Tree.
16♦	MC4008L,P%	33		MON	2.5%	.40*†	0.0	5.0	150mt	0	75	K338	TO116	8-Bit Parity Tree
17♦	MC4010F	33		MON	2.5%	.40*†	0.0	5.0	125mt	0	75	K339	TO86	Dual 4-Bit Parity Tree.
18♦	MC4010L,P%	33		MON	2.5%	.40*†	0.0	5.0	150mt	0	75	K339	TO116	Dual 4-Bit Parity Tree.
19♦	N8262A	33		MON	2.6%	.40t*	0.0	5 0	370m	0	75	K3310	TO116	9 bit Parity Generator and Checker.
20♦	N8262F	33		MON	2.6%	.40t*	0.0	5.0	370m	0	75	K3310	M157	9 bit Parity Generator and Checker.
21♦	N8262Q	33		MON	2.6%	.40t*	0.0	5.0	370m	0	75	K3310	TO88	9 bit Parity Generator and Checker.
22♦	S8262A	33		MON	2.6%	.40t*	0.0	5.0	370m	-55	125	K3310	TO116	9 bit Parity Generator and Checker.
23♦	S8262F	33		MON	2.6%	40t*	0.0	5.0	370m	-55	125	K3310	M157	9 bit Parity Generator and Checker.
24♦	S8262Q	33		MON	2.6%	.40t*	0.0	5.0	370m	-55	125	K3310	TO88	9 bit Parity Generator and Checker.
25♦	MC14531AL	33	5.0M%	MOS	4.99%	.01*†	0.0	10	100u%	-55	125	K3312	M191	12-Bit Parity Tree
26♦	MC14531CL	33	5.0M%	MOS	4.99%	.01*†	0.0	10	1.0m%	-40	85	K3312	M191	12-Bit Parity Tree
27♦	MC14531CP	33	5.0M%	MOS	4.99%	.01*†	0.0	10	1.0m%	-40	85	K3312	M278	12-Bit Parity Tree
28♦	5585	33	20MΔ%	PCB	5.0%	.45*	0.0	5.0	350m	0	70	K3313	CB62	Parity Generator
29♦	FCH291	33			6 0	0.0			110m	0	75	K334	M126c	10 Bit Parity Checker.
30♦	MC867P	34		MON	.85%	.46*	0 0	3.6	110mt	0	75	K3416	TO116	Quad Latch;FO 9;RTL;tpd 50ns typ.
31♦	MC767P	34		MON	.88%	.50*	0.0	3.6	110mt	15	55	K3416	TO116	Quad Latch;FO 9;RTL;tpd 50ns typ.
32♦#	M58610B	34	700kΔ	MOS	-.80%	-4 2*	0.0	5.0	300m	-20	75		M197	MOS 4-Digit Counter/Latch.
33♦	MC1040P	34		MON	-.85%	-1 5*†	5.2	0.0	250mt	0	75	K3411	TO116	Quad Latch;Fan Out 25.
34♦	MC1070P	34		MON	-.85%	-1.5*†	5 2	0.0	200mt	0	75	K3411	TO116	Quad Latch;Fan Out 25.
35♦	MC1240F	34		MON	-.85%	-1.5*†	5.2	0.0	250mt	-55	125	K3411	TO86	Quad Latch;Fan Out 25.
36♦	MC1240L	34		MON	-.85%	-1.5*†	5.2	0.0	250mt	-55	125	K3411	TO116	Quad Latch;Fan Out 25.
37♦	MC1270F	34		MON	-.85%	-1.5*†	5.2	0.0	200mt	-55	125	K3411	TO86	Quad Latch;Fan Out 25.
38♦	MC1270L	34		MON	-.85%	-1.5*†	5.2	0.0	200mt	-55	125	K3411	TO116	Quad Latch;Fan Out 25.
39▼	MC10530F	34		MON	-.93%	-1.6*†	5.2	0.0	145mt	-55	125	K342	FP85	Dual;tpd 2.5nst.
40▼	MC10530L	34		MON	-.93%	-1.6*†	5.2	0.0	145mt	-55	125	K342	M191	Dual;tpd 2.5nst.
41▼	MC10533L	34		MON	-.93%	-1.6*†	5.2	0.0	310mt	-55	125	K346	M191	Quad;tpd 4.0nst.
42▼	MC10130L	34		MON	-.96%	-1.6*†	5.2	0.0	155mt	-30	75	K342	M191	Clocked Dual D Type.
43▼	MC10130P	34		MON	-.96%	-1.6*†	5.2	0.0	155mt	-30	75	K342	M278	Clocked Dual D Type.
44♦	MC10133L	34		MON	-.96%	-1.6*†	5.2	0.0	310mt	-30	85	K3421	M191	Quad Latch;ECT;tpd 4.0ns typ.
45♦	MC10133P	34		MON	-.96%	-1.6*†	5.2	0.0	310mt	-30	85	K3421	M278	Quad Latch;ECT;tpd 4.0ns typ.
46▼	MC10153L	34		MON	-.96%	-1.6*†	5.2	0.0	310mt	-30	85	K343	M191	Quad w/D Type Inputs.
47▼#	MIC9308-1D	34	20M%	MON	1.7%	.90*	0.0	5.0	450m	-55	125	K348		2 ckts;D Type.
48♦	93L08FC	34	5.0M%	MON	1.8%	.75*	0.0	5.0	175m	0	75	K348	FP66	Low Power;Dual 4-Bit Latch.
49♦	MC8308F	34		MON	1.8%	.85*	0.0	5.0	325mt	0	75	K3419	FP91	Dual 4-Bit Latch.
50♦	MC8308L	34		MON	1.8%	.85*	0.0	5.0	325mt	0	75	K3419	M291	Dual 4-Bit Latch.
51♦	MC8308P	34		MON	1.8%	.85*	0.0	5.0	325mt	0	75	K3419	M237	Dual 4-Bit Latch.
52♦	MC9308F	34		MON	1.8%	.85*	0.0	5.0	325mt	-55	125	K3419	M191	Dual 4-Bit Latch.
53▼#	MIC9308-5D	34	20M%	MON	1 8%	.85*	0.0	5.0	450m	0	75	K348		2 ckts;D Type.
54▼	SW1814P	34		MON	1.9%	1.2*	0.0	8.0	160mt	0	75	K3417a	M114	D Type;tpd 30ns typ.
55▼	SW1814M	34	10MΔ%	MON	1.9%	1.2*	0.0	8.0	160mt	0	75	K3417a	M105n	D Type;tpd 30ns typ.
56▼	5528	34		PCB	2.0%	.45*	0.0	5.0	530mt	0	70		CB62	6 bit bistable latch;Average tpd 15ns.
57▼	93L14DC	34		MON	2.0%	.70*	0.0	5.0	50mt	0	75	K349	M224c	4 bit;lo 30mA max;tpd 90ns max.
58▼	93L14DM	34		MON	2.0%	.70*	0.0	5.0	50mt	-55	125	K349	M224c	4 bit;lo 30mA max;tpd 90ns max.
59▼	93L14FM	34		MON	2.0%	.70*	0.0	5.0	50mt	-55	125	K349	FP79b	4 bit;lo 30mA max;tpd 90ns max.
60▼	93L14PC	34		MON	2.0%	.70*	0.0	5.0	50mt	0	75	K349	M357	4 bit;lo 30mA max;tpd 90ns max.
61♦#	FJB93L08	34		MON	2.0%	.70*	0.0	5.0	100mt	0	70	K348	M186b	Dual 4 Bit Latch;tpd 53ns.
62▼	93L08PC	34		MON	2.0%	.80*	0.0	5.0	500m%	0	75	K348	M197a	Dual 4 bit Latch;lo 30mA max;tpd 30ns max
63♦	9308FC	34		MON	2.0%	.80*	0.0	5.0	500m§	0	75	K348	FP66a	Dual 4-Bit Latch.
64♦	9308FM	34		MON	2.0%	.80*	0.0	5.0	500m%	-55	125	K348	FP105	Dual 4 bit;lo 30mA max;tpd 30ns max.
65▼	9308PC	34		MON	2.0%	.80*	0.0	5.0	500m%	0	75	K348	M197a	Dual 4 bit;lo 30mA max;tpd 30ns max.
66▼	9314DC	34		MON	2.0%	.80*	0.0	5.0	275m%	0	75	K349	M224c	4 bit;lo 30mA max;tpd 25ns max.
67▼	9314DM	34		MON	2.0%	.80*	0.0	5.0	275m%	-55	125	K349	M224c	4 bit;lo 30mA max;tpd 25ns max.
68▼	9314FM	34		MON	2.0%	80*	0.0	5.0	275m%	-55	125	K349	FP79b	4 bit;lo 30mA max;tpd 25ns max.
69▼	9314PC	34		MON	2.0%	.80*	0.0	5.0	275m%	0	75	K349	M357	4 bit;lo 30mA max;tpd 25ns max.
70▼	9334DC	34		MON	2.0%	.80*	0.0	5.0	430m§	0	75	K3410	M224c	8 bit Addressable.
71▼	9334DM	34		MON	2.0%	80*	0.0	5.0	430m§	-55	125	K3410	M224c	8 bit Addressable.
72▼	9334FC	34		MON	2.0%	.80*	0 0	5.0	430m§	0	75	K3410	FP79b	8 bit Addressable.
73▼	9334FM	34		MON	2.0%	.80*	0.0	5.0	430m§	-55	125	K3410	FP79b	8 bit Addressable.
74▼	9334PC	34		MON	2.0%	.80*	0.0	5.0	430m§	0	75	K3410	M357	8 bit Addressable.
75▼	9375DC	34		MON	2.0%	80*	0.0	5.0	265m§	0	70	K347	M200j	D Type;tpd 40nsΔ.
76▼	9375DM	34		MON	2.0%	.80*	0.0	5.0	265m§	-55	125	K347	M200j	D Type;tpd 40nsΔ.
77▼	9375FC	34		MON	2.0%	80*	0.0	5.0	265m§	0	70	K347	FP47b	D Type;tpd 40nsΔ.
78▼	9375FM	34		MON	2.0%	.80*	0.0	5.0	265m§	-55	125	K347	FP47b	D Type;tpd 40nsΔ.
79▼	9377FC	34		MON	2.0%	.80*	0.0	5.0	265m§	0	70	K347	FP52d	D Type;tpd 40nsΔ.
80▼	9377FM	34		MON	2.0%	.80*	0.0	5.0	265m§	-55	125	K347	FP52d	D Type;tpd 40nsΔ.
81♦#	FJB9308	34		MON	2.0%	80*	0.0	5.0	500m%	0	70	K348	M186b	Dual 4 Bit Latch;tpd 36ns max.
82▼#	FJJ381	34		MON	2.0%	.80*	0.0	5.0		0	70	K3419	M197c	D Type w/Latch;tpd 18ns typ.
83▼	ITT5475J	34		MON	2.0%	.80*	0.0	5.0	160mt	-55	125	K347	M153	D Type;tpd 15ns typ.
84▼	ITT7475J	34		MON	2.0%	.80*	0.0	5.0	160mt	0	70	K347	M153	D Type;tpd 15ns typ.
85♦	N7477Q	34		MON	2.0%	.80*	0.0	5.0		0	70	K3422	TO88	Quad Bistable Latch.
86▼	NC7475N	34		MON	2.0%	80*	0.0	7.0	160mt	0	70	K347	M117	T Type;Fan Out 20.
87♦	S5477Q	34		MON	2.0%	.80*	0.0	5.0		-55	125	K3422	TO88	Quad Bistable Latch.
88▼	SN54L75J	34		MON	2.0%	.80*	0.0	5.0	80mt	-55	125	K347	M153d	4-Bit Bistable;tpd 80ns max.
89▼	SN54L75N	34		MON	2.0%	.80*	0.0	5 0	80mt	-55	125	K347	M117x	4-Bit Bistable;tpd 80ns max.
90▼	SN54L77T	34		MON	2.0%	.80*	0.0	5 0	80mt	-55	125	K347	FP52e	4-Bit Bistable;tpd 80ns max.
91▼	SN74L75J	34		MON	2.0%	.80*	0.0	5.0	80mt	0	70	K347	M153d	4-Bit Bistable;tpd 80ns max.
92▼	SN74L75N	34		MON	2.0%	.80*	0.0	5 0	80mt	0	70	K347	M117x	4-Bit Bistable;tpd 80ns max.
93▼	SN74L77T	34		MON	2.0%	.80*	0.0	5.0	80mt	0	70	K347	FP52e	4-Bit Bistable;tpd 80ns max.
94▼	SN5475J	34		MON	2.0%	80*	0.0	5.0	160mt	-55	125	K347	M153d	4-Bit Bistable;tpd 40ns max.
95▼	SN5475N	34		MON	2.0%	.80*	0.0	5.0	160mt	-55	125	K347	M117	T Type;tpd 15ns typ.
96▼	SN5475W	34		MON	2.0%	.80*	0.0	5.0	160mt	-55	125	K347	Δ004AG	4-Bit Bistable;tpd 40ns max.
97▼	SN5477W	34		MON	2.0%	.80*	0.0	5.0	160mt	-55	125	K347	Δ004AA	4-Bit Bistable;tpd 40ns max.
98▼	SN7475J	34		MON	2.0%	.80*	0.0	5.0	160mt	0	70	K347	M153d	4-Bit Bistable;tpd 40ns max.
99▼	SN7475N	34		MON	2.0%	.80*	0.0	5.0	160mt	0	70	K347	M117x	4-Bit Bistable;tpd 40ns max.
100▼	SN7477W	34		MON	2.0%	.80*		5.0	160mt	0	70	K347	TO84	4 ckts;tpd 15ns typ.
101▼	SN29308J	34		MON	2 0%	.80*	0.0	5.0	300m%	0	75	K3423	Δ015AA	Dual 4-Bit w/Clear;tpd 30ns max.
102▼	SN29308N	34		MON	2.0%	.80*	0.0	5.0	300m%	0	75	K3423	M186	Dual 4-Bit w/Clear;tpd 30ns max.
103▼	SN39308J	34		MON	2.0%	.80*	0.0	5.0	300m%	-55	125	K3423	Δ015AA	Dual 4-Bit w/Clear;tpd 30ns max.
104▼	SN54100J	34		MON	2.0%	80*	0.0	5.0	320mt	-55	125	K347	Δ015AA	8-Bit Bistable;tpd 30ns max.
105▼	SN54100W	34		MON	2.0%	.80*	0.0	5.0	320mt	-55	125	K347	Δ019AA	8-Bit Bistable;tpd 30ns max.
106▼	SN54116J	34		MON	2.0%	.80*	0.0	5.0	200mt	-55	125	K3423	Δ015AA	4-Bit w/Clear;tpd 30ns max.
107▼	SN54116W	34		MON	2.0%	.80*	0.0	5.0	200mt	-55	125	K3423	Δ019AA	4-Bit w/Clear;tpd 30ns max.
108▼	SN74100J	34		MON	2.0%	80*	0.0	5.0	320mt	0	70	K347	Δ015AA	8-Bit Bistable;tpd 30ns max.
109▼	SN74100N	34		MON	2.0%	80*	0.0	5.0	320mt	0	70	K347	M186	8-Bit Bistable;tpd 30ns max.
110▼	SN74116J	34		MON	2.0%	.80*	0.0	5.0	200mt	0	70	K3423	Δ015AA	4-Bit w/Clear;tpd 30ns max.

IN ORDER OF (1)USE(2)LEVEL'1'(3)LEVEL'0' (4)MAX OPER FREQ(5)TYPE No.

LINE No.	[5] TYPE No.	[1] USE	[4] MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL [2] '1' (V)	LOGIC LEVEL [3] '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG No Δ=MO	GENERAL DESCRIPTION
1▼	SN74116N	34		MON	2.0%	.80*	0.0	5.0	200mt	0	70	K3423	M186	4-Bit w/Clear;tpd 30ns max.
2▼	SW5475J	34		MON	2.0%	.80*		5.5	160m	-55	125	K347	M153b	4 ckts;tpd 40nsΔ.
3▼	SW7475J	34		MON	2.0%	.80*		5.25	160m	0	70	K347	M153b	4 ckts;tpd 40nsΔ.
4▼	SW7475N	34		MON	2.0%	.80*		5.25	160m	0	70	K347	M117	4 ckts,tpd 40nsΔ.
5▼	SW54100J	34		MON	2.0%	.80*		5.0	320mt	-55	125	K347	M197	8 ckts;tpd 15ns typ.
6▼	SW74100J	34		MON	2.0%	.80*		5.0	320mt	0	70	K347	M197	8 ckts;tpd 15ns typ.
7▼	SW74100N	34		MON	2.0%	.80*		5.0	320mt	0	70	K347	M197	8 ckts;tpd 15ns typ.
8▼	TRW7475	34		MON	2.0%	.80*		7.0	160m	0	70	K347		4 ckts;Fan Out 20.
9▼	US5475A	34		MON	2.0%	.80*		5.0	160mt	-55	125	K347	M117g	4 ckts;Fan Out 10.
10▼	US5477J	34		MON	2.0%	.80*		5.0	160mt	-55	125	K347a	TO88	4 ckts;tpd 15ns typ.
11▼	US7475A	34		MON	2.0%	.80*		5.0	160mt	0	70	K347	M117g	4 ckts;Fan Out 10.
12▼	US7477J	34		MON	2.0%	.80*		5.0	160mt	0	70	K347a	TO88	4 ckts;tpd 15ns typ.
13♦	93L08DC	34	5.0M%	MON	2.0%	.80*	0.0	5.0	500m%	0	75	K348	M246	Dual 4 bit Latch;lo 30mA max;tpd 30ns max
14♦	93L08DM	34	7.0M%	MON	2.0%	.80*	0.0	5 0	500m%	-55	125	K348	M246	Dual 4 bit Latch;lo 30mA max;tpd 30ns max
15♦	93L08FM	34	7.0M%	MON	2.0%	.80*	0.0	5.0	500m%	-55	125	K348	FP105	Dual 4 bit Latch;lo 30mA max;tpd 30ns max
16♦	9308DC	34	20M%	MON	2.0%	.80*	0.0	5 0	500m%	0	75	K348	M246	Dual 4 bit;lo 30mA max;tpd 30ns max
17♦	9308DM	34	20M%	MON	2.0%	.80*	0.0	5.0	500m%	-55	125	K348	M246	Dual 4 bit;lo 30mA max;tpd 30ns max.
18♦	3404	34		MON	2.0%	.85*	0.0	5.0	350m%	0	75	K3412	M146d	6 bit High Speed Latch.
19♦	MC5475L	34		MON	2.4%	.40*†	0.0	5.0	160mt	-55	125	K3418	M191	Quad Latch
20♦	MC5477F	34		MON	2.4%	.40*†	0 0	5.0	160mt	-55	125	K3418	TO86	Quad Latch.
21♦	MC7475L	34		MON	2.4%	.40*†	0.0	5.0	160mt	0	75	K3418	M191	Quad Latch.
22♦	MC7475P	34		MON	2.4%	.40*†	0.0	5.0	160mt	0	75	K3418	M278	Quad Latch.
23♦	MC7477F	34		MON	2.4%	.40*†	0.0	5.0	160mt	0	75	K3418	TO86	Quad Latch.
24♦	MC8314F	34		MON	2.4%	.40*†	0.0	5.0	200mt	0	75	K3420	FP85	Quad Latch;FO 10;tpd 32ns max.
25♦	MC8314L	34		MON	2 4%	.40*†	0.0	5.0	200mt	0	75	K3420	M191	Quad Latch;FO 10;tpd 32ns max
26♦	MC8314P	34		MON	2.4%	.40*†	0 0	5.0	200mt	0	75	K3420	M278	Quad Latch;FO 10;tpd 32ns max.
27♦	MC8375L	34		MON	2.4%	.40*†	0.0	5.0	160mt	0	70	K3418	M191	Quad Latch.
28♦	MC8375P	34		MON	2.4%	.40*†	0.0	5.0	160mt	0	70	K3418	M278	Quad Latch.
29♦	MC8377F	34		MON	2.4%	.40*†	0.0	5.0	160mt	0	70	K3418	TO86	Quad Latch.
30♦	MC9308L	34		MON	2.4%	.40*†	0.0	5.0	325mt	-55	125	K3419	M237	Dual 4-Bit Latch,TTL.
31♦	MC9314F	34		MON	2.4%	.40*†	0.0	5.0	200mt	-55	125	K3420	FP85	Quad Latch;FO 10;tpd 28ns max.
32♦	MC9314L	34		MON	2.4%	.40*†	0.0	5 0	200mt	-55	125	K3420	M191	Quad Latch;FO 10;tpd 28ns max.
33♦	MC9375L	34		MON	2.4%	.40*†	0.0	5 0	160mt	-55	125	K3418	M191	Quad Latch.
34♦	MC9377F	34		MON	2.4%	.40*†	0.0	5.0	160mt	-55	125	K3418	TO86	Quad Latch.
35♦	MC1913L	34		MON	2 6%	40*†	0.0	5.0	220mt	-55	125	K341	M191	Quad Latch;Fan Out7;tpd 35ns typ
36♦	MC1914F	34		MON	2.6%	.40*†	0.0	5.0	220mt	-55	125	K3417a	TO86	Quad Latch;Fan Out7;tpd 35ns typ.
37♦	MC1914L	34		MON	2.6%	.40*†	0.0	5.0	220mt	-55	125	K3417a	TO116	Quad Latch;Fan Out7;tpd 35ns typ.
38▼	MC1813L,P%	34		MON	2.6%	45*†	0.0	5.0	220mt	0	75	K341	TO116	Quad;tpd 35nst;ISC -2.95mAdc.
39♦	MC1814F	34		MON	2.6%	.45*†	0.0	5.0	220mt	0	75	K3417a	TO86	Quad Latch;Fan Out7;tpd 35ns typ.
40♦	MC1814L,P%	34		MON	2.6%	.45*†	0.0	5.0	220mt	0	75	K3417a	TO116	Quad Latch;Fan Out7;tpd 35ns typ.
41♦	SW1813M	34		MON	2.6%	.45*†	0.0	5.0	220mt	0	75	K341	M105n	DTL Quad Latch.
42♦	MC767AP	34		MON	2.6%	.50*†	0.0	3.6	110mt	15	55	K3416	TO116	Quad Latch;FO 9;RTL,tpd 50ns typ
43♦	MC867AP	34		MON	2.6%	.50*†	0.0	3.6	110mt	0	75	K3416	TO116	Quad Latch;FO 9;RTL;tpd 50ns typ.
44♦	MC14042AL	34		MOS	9.99%	01*†	0.0	10	50u	-55	125	K345	M191	Quad;tpd 40ns typ.
45♦	MC14042CL	34		MOS	9.99%	.01*†	0.0	10	50u	-40	85	K345	M191	Quad;tpd 40ns typ.
46♦	MC14042CP	34		MOS	9.99%	.01*†	0.0	10	50u	-40	85	K345	M278	Quad;tpd 40ns typ.
47♦	MC14508AL	34		MOS	9.99%	.01*†	0.0	10	75n%	-55	125	K344	M292	Dual 4-Bit Latch
48♦	MC14508CL	34		MOS	9.99%	.01*†	0.0	10	100n%	-40	85	K344	M292	Dual 4-Bit Latch.
49▼	9528DC	34	150M%	MON	-1.1	-1 4	5.2	0.0	440mΔ	0	75	K342	M200b	D Type;tpd 3.6ns typ.
50♦	CD4043AD	34		MON	10	0 0†	0.0	10	20u%	-55	125	K3413	Δ002AE	COS/MOS Quad 3 State R/S Latch.
51♦	CD4043AE	34		MON	10	0.0†	0.0	10	200u%	-40	85	K3413	Δ001AC	COS/MOS Quad 3 State R/S Latch.
52♦	CD4043AK	34		MON	10	0.0†	0.0	10	20u%	-55	125	K3413	Δ004AG	COS/MOS Quad 3 State R/S Latch.
53♦	CD4044AD	34		MON	10	0.0†	0.0	10	20u%	-55	125	K3414	Δ002AE	COS/MOS Quad 3 State R/S Latch.
54♦	CD4044AE	34		MON	10	0.0†	0.0	10	200u%	-40	85	K3414	Δ001AC	COS/MOS Quad 3 State R/S Latch.
55♦	CD4044AK	34		MON	10	0.0†	0.0	10	20u%	-55	125	K3414	Δ004AG	COS/MOS Quad 3 State R/S Latch.
56▼	SCL4043AD	34	10MΔ%	MOS	10	0.0†	0.0	10	50n%	-55	125	K3413	Δ002AE	R-S Flip Flop w/Latch.
57▼	SCL4043AE	34	10MΔ%	MOS	10	0.0†	0.0	10	50n%	-40	85	K3413	Δ001AC	R-S Flip Flop w/Latch.
58▼	SCL4043AF	34	10MΔ%	MOS	10	0.0†	0.0	10	50n%	-55	125	K3413	Δ004AG	R-S Flip Flop w/Latch.
59▼	SCL4044AD	34	10MΔ%	MOS	10	0.0†	0.0	10	50n%	-55	125	K3414	Δ002AE	R-S Flip Flop w/Latch.
60▼	SCL4044AE	34	10MΔ%	MOS	10	0.0†	0.0	10	50n%	-40	85	K3414	Δ001AC	R-S Flip Flop w/Latch.
61▼	SCL4044AF	34	10MΔ%	MOS	10	0.0†	0.0	10	50n%	-55	125	K3414	Δ004AG	R-S Flip Flop w/Latch.
62♦	MC682L	34		MON	12.5%	1.5*†	0.0	15	375mt	-30	75	K3415	M191	Quad Latch; Fan Out 10.
63♦	MC682P	34		MON	12.5%	1.5*†	0.0	15	375mt	-30	75	K3415	M278	Quad Latch;Fan Out 10.
64♦	MC4032F	35				.30*†	0.0	5.0	20mt	0	75	K355	TO86	Carry Decoder
65♦	MC4032L,P%	35				.30*†	0.0	5.0	20mt	0	75	K355	TO116	Carry Decoder.
66♦	MC4332F	35				.30*†	0.0	5.0	20mt	-55	125	K355	TO86	Carry Decoder.
67♦	MC4332L	35				.30*†	0.0	5.0	20mt	-55	125	K355	TO116	Carry Decoder.
68♦	MC10165L	35		MON	-.96%	-1.6*†	5.2	0.0	545mt	-30	85	K351	M191	8-Input Priority Encoder.
69▼	MC10165P	35		MON	-.96%	-1.6*†	5.2	0.0	545mt	-30	85	K351	M278	8 Bit Priority Encoder.
70♦	T513	35		PCB	1.7	.90	0.0	5.0	750m	0	70		CB☑	Eight Input Priority Encoder.
71♦	93L18DC	35			2.0%	.70*	0.0	5.0	75mt	0	75	K352	M224c	8 Input Priority Encoder;tpd 72ns max.
72♦	93L18DM	35			2 0%	.70*	0.0	5.0	75mt	-55	125	K352	M224c	8 Input Priority Encoder;tpd 72ns max.
73♦	93L18FM	35			2.0%	.70*	0 0	5.0	75mt	-55	125	K352	FP79b	8 Input Priority Encoder;tpd 72ns max.
74▼	93L18PC	35		MON	2.0%	.70*	0.0	5.0	75mt	0	75	K352	M357	8 Input Priority Encoder;tpd 72ns max.
75♦#	FJB93L18	35		MON	2 0%	.70*	0.0	5.0	75mt	0	70	K354	M210a	8 Input Priority Encoder;tpd 55ns.
76♦	9318DC	35		MON	2.0%	.80*	0 0	5.0	385m%	0	75	K352	M224c	8 Input Priority Encoder;tpd 32ns max.
77♦	9318DM	35		MON	2.0%	.80*	0.0	5.0	385m%	-55	125	K352	M224c	8 Input Priority Encoder,tpd 32ns max.
78♦	9318FM	35		MON	2.0%	.80*	0.0	5.0	385m%	-55	125	K352	FP97b	8 Input Priority Encoder;tpd 32ns max.
79▼	9318PC	35		MON	2.0%	.80*	0.0	5.0	385m%	0	75	K352	M357	8 Input Priority Encoder;tpd 32ns max.
80♦#	FJB9318	35		MON	2.0%	.80*	0.0	5.0	250mt	0	70	K354	M210a	8 Input Priority Encoder;tpd 45ns max.
81▼	SN29318J	35		MON	2 0%	.80*	0.0	5.0	200m%	0	75	K358	M153d	8-Line-to-3-Line Priority Encoders.
82▼	SN29318N	35		MON	2.0%	.80*	0 0	5.0	200m%	0	75	K358	M117x	8-Line-to-3-Line Priority Encoders
83▼	SN39318J	35		MON	2.0%	.80*	0.0	5.0	200m%	-55	125	K358	M153d	8-Line-to-3-Line Priority Encoders.
84▼	SN54159J	35		MON	2.0%	.80*	0.0	5.0	170m%	-55	125	K35	Δ015AA	4-to-16-Line Decoders/Demultiplexers.
85▼	SN54159W	35		MON	2.0%	.80*	0 0	5.0	170m%	-55	125	K35	Δ019AA	4-to-16-Line Decoders/Demultiplexers.
86▼	SN74159J	35		MON	2 0%	80*	0.0	5.0	170m%	0	70	K35	Δ015AA	4-to-16-Line Decoders/Demultiplexers.
87▼	SN74159N	35		MON	2.0%	.80*	0.0	5.0	170m%	0	70	K35	M186	4-to-16-Line Decoders/Demultiplexers.
88♦	5320	35	1.0M	PCB	2.0%	.80*	0.0	5.0	725m	0	70		M263	Decoder Driver with Quad Latch Memory.
89♦	5330	35	1.0M	PCB	2.0%	.80*	0.0	5.0	715m	0	70		M263	Decoder Driver with Decade Counter.
90♦	5340	35	1.0M	PCB	2.0%	.80*	0.0	5 0	980m	0	70		M263	Decoder Driver with Decade Counter and Mem
91♦	5350	35	1.0M	MON	2.0%	.80*	0.0	5.0	475m	0	70		M264	Hexadecimal Decoder Driver.
92♦	5360	35	1.0M	MOH	2.0%	.80*	0.0	5.0	1.5	0	70		M261	Alpha Numeric Decoder Driver.
93♦	5925-1	35	1.0M	PCB	2 0%	.80*	0.0	5.0	725m	0	70		M262	Decoder Driver with Quad Latch Memory.
94♦	5950-1	35	1.0M	PCB	2 0%	.80*	0.0	5 0	715m	0	70		M262	Decoder Driver with Decade Counter.
95♦	5955-1	35	1.0M	PCB	2.0%	80*	0 0	5.0	980m	0	70		M262	Decoder Driver with Decade Counter and Mem
96♦	MC8318F	35		MON	2.4%	.40*†	0.0	5 0	225mt	0	75	K356	FP85	8-Input Priority Encoder.
97♦	MC8318L	35		MON	2.4%	.40*†	0.0	5.0	225mt	0	75	K356	M191	8-Input Priority Encoder.
98♦	MC8318P	35		MON	2.4%	.40*†	0.0	5.0	225mt	0	75	K356	M278	8-Input Priority Encoder.
99♦	MC9318F	35		MON	2.4%	.40*†	0.0	5.0	225mt	-55	125	K356	FP85	8-Input Priority Encoder.
100♦	MC9318L	35		MON	2.4%	.40*†	0.0	5.0	225mt	-55	125	K356	M191	8-Input Priority Encoder.
101♦	RL3200K	35		MON	2.6%	40*†	0.0	5 25	187m	-55	125		FP21b	24 Bit Carry Decoder;use with RL3100.
102♦	RL3202K	35		MON	2.6%	.40*†	0.0	5.25	210m	0	75		FP21b	24 Bit Carry Decoder;use with RL3102.
103♦	RL40D	35		MON	3.5	20†	0	5	20m	-55	125		M105m	Carry Decoder;use W/RL20 † RL30.
104♦	RL40K	35		MON	3.5	.20†	0	5	20m	-55	125		FP21b	Carry Decoder;use W/RL20 † RL30.
105♦	RL41D	35		MON	3.5	.20†	0	5	20m	-55	125		M105m	Carry Decoder;use W/RL20 † RL30.
106♦	RL41K	35		MON	3 5	.20†	0	5	20m	-55	125		FP21b	Carry Decoder;use W/RL20 † RL30
107♦	RL42D	35		MON	3.5	.20†	0	5	20m	0	75		M105m	Carry Decoder;use W/RL20 † RL30.
108♦	RL42K	35		MON	3.5	20†	0	5	20m	0	75		FP21b	Carry Decoder;use W/RL20 † RL30.
109♦	RL43D	35		MON	3.5	.20†	0	5	20m	0	75		M105m	Carry Decoder;use W/RL20 † RL30.
110♦	RL43K	35		MON	3.5	.20†	0	5	20m	0	75		FP21b	Carry Decoder;use W/RL20 † RL30.

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1♦#	M58609XXB	35	100kΔ	MOS	3.5%	.80*	12	5 0	200m	-20	75		M193	Keyboard/Encoder(88 Key x 4 Shift x 9 Bit
2♦	MC14532AL	35		MOS	9.99%	01*†	0.0	10	10u%	-55	125	K357	M191	8-Bit Priority Encoder.
3♦	MC14532CL	35		MOS	9.99%	.01*†	0.0	10	100u%	-40	85	K357	M191	8-Bit Priority Encoder.
4♦	MC14532CP	35		MOS	9.99%	.01*†	0.0	10	100u%	-40	85	K357	M278	8-Bit Priority Encoder.
5♦	750	36		3DM			15	15	900m%	0	70	K366	M234	Peak Detector/Sample Hold
6♦	4034-25	36		MON			15	15	750m%	-40	85		M303a	Sample-Hold Modules.
7♦	4035-15	36		MON			15	15	750m%	-40	85		M305	Sample-Hold Modules.
8♦	6472	36		PCB			15	15	900m†	0	70	K364	CB62	Sample and Hold.
9♦	MSSH01	36		3DM			15	15	900m%	-55	85		M176	Sample-and-hold mudule;Acc.01%.
10♦	MSSH02	36		3DM			15	15	900m%	-55	85		M176	Sample-and-hold module;Acc.02%.
11♦	MSSH05	36		3DM			15	15	900m%	-55	85		M176	Sample-and-hold module;Acc.05%.
12♦	ZD451	36		PCB			15	15	210m%	0	70	K365	M300	Sample/hold Amp,diff. input;Freq. 20kHz.
13♦	ZD452	36		PCB			15	15	450m%	0	70	K365	M300	Sample/hold Amp,diff. input;Freq. 600kHz.
14♦	ZD453	36		PCB			15	15	450m	0	70			Sample/hold Amp,diff.input;Freq. 20kHz.
15▼	S/H730	36	5	3DM			15	15	900m%	0	70	K3612	M390	
16♦	5886	36	10kØ	MOH			15	15	210m%	-55	85		M258a	Sample-Hold;Voffset ± 30mV.
17♦	5892	36	300kØ	MOH			15	15	900m%	-55	85		M276	Sample-Hold;Voffset ±200mV max
18♦	S/H725	36	400k	3DM			15	15	300m%	0	70	K369	M309b	Acquisition time 35uS
19▼	S/H725LHC	36	400k	3DM			15	15	300m%	0	70	K369	M309b	Acquisition Time 10uS.
20♦	5891	36	1.0MØ	MOH			15	15	600m%	-55	85		M275	Peak Sense-Hold;Voffset ±30mV max
21♦	S/H725WB	36	1.0M	3DM			15	15	300m%	0	70	K369a	M309b	Acquisition time 5uS.
22♦	MSH1	36	2 0M%	PCB			15	15		-15	55		CB37c	Sample and Hold Amplifier.
23♦	5893	36	5.0M	MOH			15	15	540m%	-55	85		M258a	Peak Sense-Hold;Gv 1.0
24♦	5146D	36	10M	MOH			15	15	1 2 %	-25	85		M275	Peak Sense-Hold;Voffset ± 100mV max.
25♦	VSSH-S1	36	25M	3DM			15	15	2.2 %	-55	85	K3611	M212	High Speed Sample/Hold;Slew rate 50V/us.
26♦	VSSH-S3	36	25M	3DM			15	15	2.2 %	0	70	K3611	M212	High Speed Sample/Hold;Slew rate 500V/us.
27♦	VSSH-F1	36	100M	3DM			15	15	2.2 %	-55	85	K3611	M212	High Speed Sample/Hold;Slew rate 500V/us.
28♦	VSSH-F3	36	100M	3DM			15	15	2.2 %	0	70	K3611	M212	High Speed Sample/Hold,Slew rate 500V/us.
29▼	MN343	36		TFH	2.0%	.40*	15	15	445m	0	70			Sample and Hold;Droop .1mV/ms;Zin 3.0kΩ.
30▼	MN343H	36		TFH	2.0%	.40*	15	15	445m	-55	125			Sample and Hold;Droop .1mV/ms;Zin 3.0kΩ.
31▼	MN344	36		TFH	2.0%	40*	15	15	525m	0	70			Sample and Hold;Droop .1mV/ms;Zin 10Ω.
32▼	MN344H	36		TFH	2.0%	.40*	15	15	525m	-55	125			Sample and Hold;Droop .1mV/ms;Zin 10Ω.
33♦	LH0023CG	36			2.0%	.80*	0.0	5.0	1.5	-25	85	K361	CN18a	Sample and Hold Circuit;Acc .01% max.
34♦	LH0023G	36			2.0%	80*	0.0	5.0	1.5	-55	125	K361	CN18a	Sample and Hold Circuit;Acc .01% max.
35♦	LH0043CG	36			2 0%	80*	15	15	1 5	-25	85	K362	CN18a	Sample and Hold Circuit;Acc 10% max
36♦	LH0043G	36			2 0%	.80*	15	15	1.5	-55	125	K362	CN18a	Sample and Hold Circuit;Acc .10% max.
37♦	SHM6401	36			2.0%	80*	15	15	240m§	0	70	K363	M348	Sample and Hold Module;Acc ±.01% max.
38♦	SHM-40	36		3DM	2.0%	.80*	15	15	750m%	-55	125	K367	M304b	Sample-Hold;Volt.Off. ±2.0mV.
39♦	SHM-41	36		3DM	2.0%	80*	15	15	450m%	-55	125	K367	M304b	Sample-Hold;Volt.Off. ±1.0mV.
40♦	SHC23	36	20k	TFH	2.0%	.80*	15	15	450m†	0	70	K368	TO8	Sample-Hold Amp;Aquisition time 70us max.
41♦	SHC23ET	36	20k	TFH	2.0%	.80*	15	15	450m†	-55	125	K368	TO8	Sample-Hold Amp;Acquisition time 70us max.
42♦	5022	36	300k	3DM	2.0%	.80*	15	15	180m†	-55	85			Sample-Hold, Accuracy ±0.01%.
43▼	5023	36	30MØ	3DM	2 0%	80*	15	15	1 3 %	-55	85			Acquisition 150ns max.
44▼	5024	36	30MØ	3DM	2 0%	.80*	15	15	1.8 %	-55	85			Acquisition 30ns max.
45▼	5025	36	100M	3DM	2.0%	.80*	15	15	2.7 %	-55	85			Acquisition 30ns max.
46♦	5030	36	10M	3DM	2.4%	.50*	15	15	240m	-55	85			Peak Sense-Hold, Accuracy ±20mV.
47♦	A880	36	10M	TTL	3.0%	.40*	15	15	1.8 %	0	60	K3610	M353	Sample and Hold
48♦	5894	36	300kØ	MOH	3.0	60	15	15	900m	-25	75		M254a	Sample:Hold;No-Droop Digital Memory.
49♦	5020	36	3.0MØ	3DM	3.0	.60	15	15	600m	-55	85		M276	Sample-Hold;20nS Acquisition.
50♦	5021	36	10MØ	3DM	3 0	.60	15	15	900m	-55	85		M276	Sample-Hold;3.0nS Acquisition.
51▼#	GXB10179	37		MON	-88	-1.7†	5 2	0.0		0	75	K373	M200f	Look Ahead Carry Block;tpd 20ns average.
52♦	MC10179L	37		MON	-96%	-1.6*†	5 2	0.0	300m†	-30	85	K373	M191	Look-Ahead Carry Block.
53▼	5536	37		PCB	2.0%	.45*	0 0	5.0	540m†	0	70		CB62	Average tpd 15ns;Fan Out 10.
54♦	9342DC	37			2 0%	.80*	0.0	5 0	360m%	0	75	K372	M224c	Io 30mA max;tpd 22ns max.
55♦	9342DM	37			2 0%	80*	0.0	5.0	325m%	-55	125	K372	M224c	Io 30mA max;tpd 22ns max.
56♦	9342FC	37		MON	2.0%	.80*	0 0	5.0	360m§	0	75	K372	FP47b	Look Ahead Carry Generator;tpd 19ns max.
57♦	9342FM	37			2 0%	.80*	0.0	5 0	325m%	-55	125	K372	FP79b	Io 30mA max;tpd 22ns max.
58▼	9342PC	37		MON	2 0%	.80*	0.0	5.0	360m%	0	75	K372	M357	Io 30mA max;tpd 22ns max.
59♦#	FJB9342	37		MON	2.0%	.80*	0 0	5.0	275m%	0	70	K371	M210a	Look ahead Carry Generator;tpd 19ns max.
60♦#	FLH411-74182	37		MON	2.0%	.80*	0.0	5.0	360m§	0	70	K371	M117w	Look-Ahead Carry Generator;tpd 48ns max.
61♦#	FLH415-84182	37		MON	2.0%	.80*	0 0	5.0	360m§	-25	85	K371	M117w	Look-Ahead Carry Generator;tpd 48ns max.
62♦#	MIC54182J	37		MON	2.0%	80*	0.0	5.0	180m†	-55	125	K371	M153a	Look-Ahead Carry Generator.
63♦#	MIC64182J	37		MON	2.0%	80*	0.0	5.0	180m†	-40	85	K371	M153a	Look-Ahead Carry Generator.
64♦#	MIC74182J	37		MON	2 0%	.80*	0.0	5.0	180m†	0	75	K371	M153a	Look-Ahead Carry Generator.
65♦#	MIC74182N	37		MON	2.0%	.80*	0 0	5.0	180m†	0	75	K371	M153a	Look-Ahead Carry Generator.
66♦#	SFC4182E	37		MON	2 0%	.80*	0.0	5 0	360m%	0	70	K371	M117	Look Ahead Carry Generator;tpd 22ns max.
67♦#	SFC4182EM	37		MON	2.0%	.80*	0.0	5.0	360m%	-55	125	K371	M117	Look Ahead Carry Generator;tpd 22ns max.
68♦#	SFC4182ET	37		MON	2.0%	.80*	0 0	5.0	360m%	-25	85	K371	M117	Look Ahead Carry Generator;tpd 22ns max.
69▼	SN54S182J	37		MON	2 0%	.80*	0.0	5.0	345m%	-55	125	K371	M153d	Look-Ahead Carry Generators.
70▼	SN54S182W	37		MON	2.0%	.80*	0 0	5 0	345m%	-55	125	K371	Δ004AG	Look-Ahead Carry Generators
71▼	SN74S182J	37		MON	2.0%	.80*	0 0	5.0	345m%	0	70	K371	M153d	Look-Ahead Carry Generators.
72▼	SN74S182N	37		MON	2 0%	.80*	0.0	5.0	345m%	0	70	K371	M117x	Look-Ahead Carry Generators.
73♦	SN54182J	37		MON	2.0%	.80*	0 0	5 0	325m%	-55	125	K371	M153d	Look-ahead Carry Generator;tpd 22ns max.
74♦	SN54182W	37		MON	2.0%	80*	0.0	5 0	325m%	-55	125	K371	Δ004AG	Look-Ahead Carry Generator.
75♦	SN74182J	37		MON	2.0%	.80*	0 0	5 0	360m%	0	70	K371	M153d	Look-ahead Carry Generator;tpd 22ns max.
76♦	SN74182N	37		MON	2.0%	.80*	0.0	5 0	360m%	0	70	K371	M117x	Look-Ahead carry generator.
77♦	SW54182J	37		MON	2.0%	.80*	0 0	5.0	325m†	-55	125	K371	M153	Look Ahead Carry Generator.
78♦	SW74182J	37		MON	2.0%	.80*	0.0	5.0	360m†	0	70	K371	M153	Look Ahead Carry Generator.
79♦	SW74182N	37		MON	2.0%	.80*	0.0	5.0	360m%	0	70	K371	M117	Look-Ahead Carry Generator.
80♦	T54S182F	37		MON	2.0%	.80*	0.0	5.0	495m§	-55	125	K375	FP101	Look Ahead Carry Generator;tpd 10.5ns max.
81♦	T54S182J	37		MON	2 0%	.80*	0.0	5.0	495m§	-55	125	K375	M352	Look Ahead Carry Generator;tpd 10.5ns max.
82♦	T74S182F	37		MON	2.0%	.80*	0.0	5 0	545m§	0	70	K375	FP101	Look Ahead Carry Generator;tpd 10.5ns max
83♦	T74S182J	37		MON	2 0%	80*	0.0	5 0	545m§	0	70	K375	M352	Look Ahead Carry Generator;tpd 10.5ns max.
84♦#	TL74182N	37		MON	2 0%	.80*	0.0	5.0	189m†	0	70	K371	M117u	Look Ahead Carry Generator;tpd 22ns max.
85♦	MC54182F	37		MON	2.4%	.40*†	0.0	5 0	180m†	-55	125	K374	FP85	Look Ahead Carry Generators
86♦	MC54182L	37		MON	2 4%	.40*†	0 0	5.0	180m†	-55	125	K374	M191	Look Ahead Carry Generators
87♦	MC74182F	37		MON	2 4%	40*†	0.0	5.0	180m†	0	75	K374	FP85	Look-Ahead Carry Generator.
88♦	MC74182L	37		MON	2.4%	40*†	0.0	5.0	180m†	0	75	K374	M191	Look Ahead Carry Generator.
89♦	MC74182P	37		MON	2 4%	.40*†	0.0	5.0	180m†	0	75	K374	M278	Look Ahead Carry Generator.
90♦	MC14582AL	37		MOS	9.99%	.01*†	0.0	10	10u%	-55	125	K374	M191	Look-Ahead Carry Block.
91♦	MC14582CL	37		MOS	9.99%	.01*†	0 0	10	100u%	-40	85	K374	M191	Look-Ahead Carry Block.
92♦	MC14582CP	37		MOS	9.99%	.01*†	0 0	10	100u%	-40	85	K374	M278	Look-Ahead Carry Block.
93♦	3701	38		MOS			35	.30	200mΔ	-55	85	K389	FP28b	P-Chan. enhancement MON 6 Chan. Switch.
94♦	NC490	38		MOH					500m	-55	125	K383	CN6b	Ladder switch for A to D and D to A conv.
95♦	DG116AL	38		MOH	1.0	0.0	20	10	750M	-55	125	K382a	TO86	4-Channel Driver W/FET Switches
96♦	DG116AP	38		MOH	1.0	0.0	20	10	1.2	-55	125	K382a	TO116	4-Channel Driver W/FET Switches
97♦	DG116BL	38		MOH	1.0	0.0	20	10	750M	-20	85	K382a	TO86	4-Channel Driver W/FET Switches
98♦	DG116BP	38		MOH	1.0	0.0	20	10	1.2	-20	85	K382a	TO116	4-Channel Driver w/FET Switches.
99♦	DM7210D	38	20M	MOS	2.0%	.80*	0	5 0		-55	125	K3823	M75f	8Channel Digital Switch
100♦	DM8210N	38	20M	MOS	2.0%	.80*	0	5.0		0	70	K3823	M117e	8 Channel Digital Switch
101♦	MC54460F	38		MON	2 4%	.40*†	0.0	5.0	250m†	-55	125	K388	FP85	Bus Transfer Switch.
102♦	MC54460L	38		MON	2.4%	.40*†	0.0	5.0	250m†	-55	125	K388	M191	Bus Transfer Switch.
103♦	MC74460F	38		MON	2.4%	.40*†	0.0	5 0	250m†	0	75	K388	FP85	Bus Transfer Switch
104♦	MC74460L	38		MON	2.4%	40*†	0 0	5.0	250m†	0	75	K388	M191	Bus Transfer Switch.
105♦	MC74460P	38		MON	2.4%	.40*†	0.0	5.0	250m†	0	75	K388	M278	Bus Transfer Switch.
106♦	PC491	38		MOH	2 8%	.70*	0.0	5.0	500m	-55	125	K384	FP61	Dual ladder switch.
107♦	AM3705CD	38		MOS	3.5	.50	20	5.0	500m	-25	85	K3811	M346	PCH;Analog Multiplex SW;R(on) 250Ω max.
108♦	AM3705CF	38		MOS	3.5	.50	20	5.0	500m	-25	85	K3811	FP88	PCH;Analog Multiplex SW;R(on) 250Ω max.
109♦	AM3705D	38		MOS	3.5	.50	20	5 0	500m	-55	125	K3811	M346	PCH;Analog Multiplex SW;R(on) 250Ω max.
110♦	AM3705F	38		MOS	3 5	.50	20	5.0	500m	-55	125	K3811	FP88	PCH;Analog Multiplex SW;R(on) 250Ω max.

11. MISCELLANEOUS

LINE No.	5 TYPE No.	1 USE	4 MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG. (V)	POWER SUPPLY SPAN POS. (V)	MAX. TOTAL PKG. DISS. (W)	TEMP. LOW °C	TEMP. HI °C	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO	GENERAL DESCRIPTION
1♦	IM7108C	38		MON	3.5%	.50*	0.0	5.0	100m	-25	70	K387	M236a	8 Channel Multiplex Switch; Ron 140Ω.
2♦	IM7108M	38		MON	3.5%	.50*	0.0	5.0	100m	-55	125	K387	M236a	8 Channel Multiplex Switch; Ron 140Ω.
3♦	IM7118C	38		MON	3.5%	.80*	0.0	5.0	100m	-25	70	K387	M236a	8Channel Multiplex Switch; Ron 200Ω.
4♦	IM7118M	38		MON	3.5%	.80*	0.0	5.0	100m	-55	125	K387	M236a	8 Channel Multiplex Switch; Ron 200Ω.
5♦	SI3705DK	38		MOS	3.5%	.80*	24	5.0	200m	-55	85	K3059	M54d	MOS SW w/Driver;R(on) 190Ω.
6♦	LS1	38		3DM	6.0*	0.0%	5.0	5.0		-55	85	K3822	M185a	D/A Ladder Switch;ton 500ns;toff 400ns.
7♦	LS3	38		3DM	6.0*	0.0%	5.0	5.0		0	70	K3822	M185a	D/A Ladder Switch;ton 500ns;toff 400ns.
8♦	AM2009CD	38		MOS	-5.0	-20	20	0.0	900m	-25	85	K3810	M297a	6 Channel Multiplex Switch;Transcond.4.0Ω.
9♦	AM2009CF	38		MOS	-5.0	-20	20	0.0	900m	-25	85	K3810	FP87	6 Channel Multiplex Switch;Transcond.4.0Ω.
10♦	AM2009D	38		MOS	-5.0	-20	20	0.0	900m	-55	125	K3810	M297a	6 Channel Multiplex Switch;Transcond.4.0Ω.
11♦	AM2009F	38		MOS	-5.0	-20	20	0.0	900m	-55	125	K3810	FP87	6 Channel Multiplex Switch;Transcond.4.0Ω.
12♦	MM4504D	38		MOS	-5.0	-20	20	0.0	900m	-55	125	K3810a	M297c	6 PCH Multiplex SW;Transcond 4.0Ω.
13♦	MM4504F	38		MOS	-5.0	-20	20	0.0	900m	-55	125	K3810a	FP87	6 PCH Multiplex SW;Transcond 4.0Ω
14♦	MM5504D	38		MOS	-5.0	-20	20	0.0	900m	-25	85	K3810a	M297c	6 PCH Multiplex SW;Transcond 4.0Ω.
15♦	MM5504F	38		MOS	-5.0	-20	20	0.0	900m	-25	85	K3810a	FP87	6 PCH Multiplex SW;Transcond 4.0Ω.
16▼	CD4066AD	38	10M	MOS	10	0.0†	0.0	10	0.1u%	-55	125		Δ001AD	Quad BiLaterial Switch;tpd 10ns typ.
17♦	G115AK	38		MOS	20	10	20	10	750m	-55	125	K3812	M224a	MOS FET SW,Rds 200Ω max;IG 5.0mA.
18♦	G115BK	38		MOS	20	10	20	10	750m	-20	85	K3812	M224a	MOS FET SW;Rds 250Ω max;IG 5.0mA.
19♦	G116AL	38		MOS	20	10	20	10	750m	-55	125	K3813a	TO86	MOS FET SW;Rds 200Ω max;IG 5.0mA.
20♦	G116AP	38		MOS	20	10	20	10	750m	-55	125	K3813a	TO116	MOS FET SW;Rds 200Ω max;IG 5.0mA.
21♦	G116BL	38		MOS	20	10	20	10	750m	-20	85	K3813a	TO86	MOS FET SW;Rds 250Ω max;IG 5.0mA.
22♦	G116BP	38		MOS	20	10	20	10	750m	-20	85	K3813a	TO116	MOS FET SW;Rds 250Ω max;IG 5.0mA
23♦	G117AL	38		MOS	20	10	20	10	750m	-55	125	K3813	TO86	MOS FET SW;Rds 200Ω max;IG 5.0mA.
24♦	G117AP	38		MOS	20	10	20	10	750m	-55	125	K3813	TO116	MOS FET SW;Rds 200Ω max;IG 5.0mA.
25♦	G117BL	38		MOS	20	10	20	10	750m	-20	85	K3813	TO86	MOS FET SW;Rds 250Ω max;IG 5.0mA.
26♦	G117BP	38		MOS	20	10	20	10	750m	-20	85	K3813	TO116	MOS FET SW;Rds 250Ω max;IG 5.0mA.
27♦	G118AL	38		MOS	20	10	20	10	750m	-55	125	K3814	TO86	MOS FET SW;Rds 200Ω max;IG 5.0mA.
28♦	G118AP	38		MOS	20	10	20	10	750m	-55	125	K3814	TO116	MOS FET SW;Rds 200Ω max;IG 5.0mA.
29♦	G118BL	38		MOS	20	10	20	10	750m	-20	85	K3814	TO86	MOS FET SW;Rds 250Ω max;IG 5.0mA.
30♦	G118BP	38		MOS	20	10	20	10	750m	-20	85	K3814	TO116	MOS FET SW;Rds 250Ω max;IG 5.0mA.
31♦	G119AL	38		MOS	20	10	20	10	750m	-55	125	K3815	TO86	MOS FET SW;Rds 200Ω max;IG 5.0mA.
32♦	G119AP	38		MOS	20	10	20	10	750m	-55	125	K3815	TO116	MOS FET SW;Rds 200Ω max;IG 5.0mA.
33♦	G119BL	38		MOS	20	10	20	10	750m	-20	85	K3815	TO86	MOS FET SW;Rds 250Ω max;IG 5.0mA.
34♦	G119BP	38		MOS	20	10	20	10	750m	-20	85	K3815	TO116	MOS FET SW;Rds 250Ω max;IG 5.0mA.
35♦	G122L	38		MOS	20	10	20	10	750m	-55	125	K3816	TO86	MOS FET SW;Rds 250Ω;IG 5.0mA.
36♦	G123BK	38		MOS	20	10	20	10	750m	-20	85	K3817	TO116	MOS FET SW;Rds 250Ω max;IG 5.0mA.
37♦	G123BL	38		MOS	20	10	20	10	750m	-20	85	K3817	TO86	MOS FET SW;Rds 250Ω max;IG 5.0mA.
38♦	G125AF	38		MON	20	10	20	10	500m	-55	125	K385	TO84	Junction FET SW;Rds 500Ω max;IG 50mA.
39♦	G126AF	38		MON	20	10	20	10	500m	-55	125	K385	TO84	Junction FET SW;Rds 250Ω max;IG 50mA.
40♦	G127AF	38		MON	20	10	20	10	500m	-55	125	K385	TO84	Junction FET SW;Rds 90Ω max;IG 50mA.
41♦	G128AF	38		MON	20	10	20	10	500m	-55	125	K385	TO84	Junction FET SW;Rds 45Ω max;IG 50mA.
42♦	G128AP	38		MON	20	10	20	10	500m	-55	125	K385	TO116	Junction FET SW;Rds 45Ω max;IG 50mA.
43♦	G128BP	38		MON	20	10	20	10	500m	-20	85	K385	TO116	Junction FET SW;Rds 50Ω max;IG 50mA.
44♦	G129AF	38		MON	20	10	20	10	500m	-55	125	K386	TO84	Junction FET SW;Rds 500Ω max;IG 50mA.
45♦	G130AF	38		MON	20	10	20	10	500m	-55	125	K386	TO84	Junction FET SW;Rds 250Ω max;IG 50mA.
46♦	G131AF	38		MON	20	10	20	10	500m	-55	125	K386	TO84	Junction FET SW;Rds 90Ω max;IG 50mA.
47♦	G132AF	38		MON	20	10	20	10	500m	-55	125	K386	TO84	Junction FET SW;Rds 45Ω max;IG 50mA.
48♦	SI2009AL	38		MOS	20	10	20	10	750m	-55	125	K3814b	TO86	MOS FET SW;Rds(on) 200Ω max.
49♦	SI2009BL	38		MOS	20	10	20	10	750m	-25	85	K3814b	TO86	MOS FET SW;Rds(on) 250Ω max.
50♦	MEM780D	38		MOS	30$*	-2.0*	6.0	10	600m	-65	125	K3818	M297b	4 NCH Multiple SW;RDS(on) 15Ω.
51♦	MEM780F	38		MOS	30$*	-2.0*	6.0	10	600m	-65	125	K3818	FP39c	4 NCH Multiple SW;RDS(on) 15Ω.
52♦	MEM780P	38		MOS	30$*	-2.0*	6.0	10	600m	-65	85	K3818	M126q	4 NCH Multiple SW;RDS(on) 15Ω.
53♦	MX04C	38		MOS	-11	-1.0	24	0	200m	-55	85		FP34	4 Channel 50 ohm Switch
54♦	MEM853D	38		MOS	-30$%	4.5*	20	0.0	1.7	-65	125	K3820	M192c	10 PCH Multiple SW;RDS(on) 150Ω max
55♦	MEM853F	38		MOS	-30$%	4.5*	20	0.0	1.7	-65	125	K3820	FP48	10 PCH Multiple SW;RDS(on) 150Ω max.
56♦	MEM853P	38		MOS	-30$%	4.5*	20	0.0	1.7	-65	85	K3820	M186e	10 PCH Multiple SW;RDS(on) 150Ω max.
57♦	MEM857D	38		MOS	-30%$	4.5*	20	0.0	1.7	-65	125	K3821	M192c	8 PCH Multiple SW;RDS(on) 150Ω max.
58♦	MEM857F	38		MOS	-30%$	4.5*	20	0.0	1.7	-65	125	K3821	FP48	8 PCH Multiple SW;RDS(on) 150Ω max.
59♦	MEM857P	38		MOS	-30%$	4.5*	20	0.0	1.7	-65	85	K3821	M186c	8 PCH Multiple SW;RDS(on) 150Ω max.
60♦	MEM851D	38		MOS	-35$%	-4.0*	20	0.0	600m	-65	125	K3819	M297b	4 PCH Multiple SW;tr 25ns max;tf 130ns max
61♦	MEM851F	38		MOS	-35$%	-4.0*	20	0.0	600m	-65	125	K3819	FP39d	4 PCH Multiple SW;tr 25ns max;tf 130ns max
62♦	MEM851P	38		MOS	-35$%	-4.0*	20	0.0	600m	-65	85	K3819	M126q	4 PCH Multiple SW;tr 25ns max;tf 130ns max
63♦	MEM855D	38		MOS	-40%$	-5.0*	20	0.0	900m	-65	125	K3810	M297b	6 PCH Multiple SW;RDS(on) 150Ω.
64♦	MEM855F	38		MOS	-40%$	-5.0*	20	0.0	900m	-65	125	K3810	FP39c	6 PCH Multiple SW;RDS(on) 150Ω.
65♦	MEM855P	38		MOS	-40%$	-5.0*	20	0.0	900m	-65	85	K3810	M126q	6 PCH Multiple SW;RDS(on) 150Ω.
66♦	MEM856D	38		MOS	-50%$	-6.0*	20	0.0	300m	-65	125	K3810	M297b	6 PCH Multiple SW;RDS(on) 700Ω.
67♦	MEM856F	38		MOS	-50%$	-6.0*	20	0.0	300m	-65	125	K3810	FP39c	6 PCH Multiple SW;RDS(on) 700Ω.
68♦	MEM856P	38		MOS	-50%$	-6.0*	20	0.0	300m	-65	85	K3810	M126q	6 PCH Multiple SW;RDS(on) 700Ω.

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

12. TYPES WITH U.S. MILITARY SPECIFICATIONS

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	MIL-M 38510/
M38510/00101BAA	ITT	1B AMEND 2
	MOTA	
M38510/00101BAB	ITT	1B AMEND 2
	MOTA	
M38510/00101BAC	ITT	1B AMEND 2
M38510/00101BCA	MOTA	1B AMEND 2
M38510/00101BCB	ITT	1B AMEND 2
	MOTA	
	SIC	
	TII	
M38510/00101BCC	ITT	1B AMEND 2
	SIC	
M38510/00101BDB	SIC	1B AMEND 2
	TII	
M38510/00101BDC	SIC	1B AMEND 2
M38510/00101CAA	ITT	1B AMEND 2
	MOTA	
M38510/00101CAB	ITT	1B AMEND 2
	MOTA	
M38510/00101CAC	ITT	1B AMEND 2
M38510/00101CCA	MOTA	1B AMEND 2
M38510/00101CCB	ITT	1B AMEND 2
	MOTA	
	SIC	
	TII	
M38510/00101CCC	ITT	1B AMEND 2
	SIC	
M38510/00101CDB	SIC	1B AMEND 2
	TII	
M38510/00101CDC	SIC	1B AMEND 2
M38510/00102BAA	ITT	1B AMEND 2
	MOTA	
M38510/00102BAB	ITT	1B AMEND 2
	MOTA	
M38510/00102BAC	ITT	1B AMEND 2
M38510/00102BCA	MOTA	1B AMEND 2
M38510/00102BCB	ITT	1B AMEND 2
	MOTA	
	SIC	
	TII	
M38510/00102BCC	ITT	1B AMEND 2
	SIC	
M38510/00102BDB	SIC	1B AMEND 2
	TII	
M38510/00102BDC	SIC	1B AMEND 2
M38510/00102CAA	ITT	1B AMEND 2
	MOTA	
M38510/00102CAB	ITT	1B AMEND 2
	MOTA	
M38510/00102CAC	ITT	1B AMEND 2
M38510/00102CCA	MOTA	1B AMEND 2
M38510/00102CCB	ITT	1B AMEND 2
	SIC	
	TII	
M38510/00102CCC	ITT	1B AMEND 2
	SIC	
M38510/00102CDB	SIC	1B AMEND 2
	TII	
M38510/00102CDC	SIC	1B AMEND 2
M38510/00103BAA	ITT	1B AMEND 2
	MOTA	
M38510/00103BAB	ITT	1B AMEND 2
	MOTA	
M38510/00103BAC	ITT	1B AMEND 2
M38510/00103BCA	MOTA	1B AMEND 2
M38510/00103BCB	ITT	1B AMEND 2
	MOTA	
	SIC	
	TII	
M38510/00103BCC	ITT	1B AMEND 2
	SIC	
M38510/00103BDB	SIC	1B AMEND 2
	TII	
M38510/00103BDC	SIC	1B AMEND 2
M38510/00103CAA	ITT	1B AMEND 2
	MOTA	
M38510/00103CAB	ITT	1B AMEND 2
	MOTA	
M38510/00103CAC	ITT	1B AMEND 2
M38510/00103CCA	MOTA	1B AMEND 2
M38510/00103CCB	ITT	1B AMEND 2
	MOTA	
	SIC	
	TII	
M38510/00103CCC	ITT	1B AMEND 2
	SIC	
M38510/00103CDB	SIC	1B AMEND 2
	TII	
M38510/00103CDC	SIC	1B AMEND 2
M38510/00104BAA	ITT	1B AMEND 2
	MOTA	
M38510/00104BAB	ITT	1B AMEND 2
	MOTA	
M38510/00104BAC	ITT	1B AMEND 2
M38510/00104BCA	MOTA	1B AMEND 2
M38510/00104BCB	ITT	1B AMEND 2
	MOTA	
	SIC	
	TII	
M38510/00104BCC	ITT	1B AMEND 2
	SIC	
M38510/00104BDB	SIC	1B AMEND 2
	TII	
M38510/00104BDC	SIC	1B AMEND 2
M38510/00104CAA	ITT	1B AMEND 2
	MOTA	
M38510/00104CAB	ITT	1B AMEND 2
	MOTA	
M38510/00104CAC	ITT	1B AMEND 2
M38510/00104CCA	MOTA	1B AMEND 2
M38510/00104CCB	ITT	1B AMEND 2
	MOTA	
	SIC	
	TII	
M38510/00104CCC	ITT	1B AMEND 2
	SIC	
M38510/00104CDB	SIC	1B AMEND 2
	TII	
M38510/00104CDC	SIC	1B AMEND 2
M38510/00105BAA	ITT	1B AMEND 2
	NSC	
M38510/00105BAB	ITT	1B AMEND 2
M38510/00105BAC	ITT	1B AMEND 2
	NSC	
M38510/00105BCA	ITT	1B AMEND 2
M38510/00105BCB	ITT	1B AMEND 2
	NSC	
	SIC	
	TII	
M38510/00105BCC	ITT	1B AMEND 2
	SIC	
M38510/00105BDB	SIC	1B AMEND 2
	TII	
M38510/00105BDC	SIC	1B AMEND 2
M38510/00105CAA	ITT	1B AMEND 2
	NSC	
M38510/00105CAB	ITT	1B AMEND 2
M38510/00105CAC	ITT	1B AMEND 2
	NSC	
M38510/00105CCB	ITT	1B AMEND 2
	NSC	
	SIC	
	TII	
M38510/00105CCC	ITT	1B AMEND 2
	SIC	
M38510/00105CDB	SIC	1B AMEND 2
	TII	
M38510/00105CDC	SIC	1B AMEND 2
M38510/00106BCB	TII	1B AMEND 2
M38510/00106BDB	TII	1B AMEND 2
M38510/00106CCB	TII	1B AMEND 2
M38510/00106CDB	TII	1B AMEND 2
M38510/00107BAA	ITT	1B AMEND 2
	MOTA	
M38510/00107BAB	ITT	1B AMEND 2
	MOTA	
M38510/00107BAC	ITT	1B AMEND 2
M38510/00107BCA	MOTA	1B AMEND 2
M38510/00107BCB	ITT	1B AMEND 2
	MOTA	
	SIC	
	TII	
M38510/00107BCC	ITT	1B AMEND 2
	SIC	
M38510/00107BDB	SIC	1B AMEND 2
	TII	
M38510/00107BDC	SIC	1B AMEND 2
M38510/00107CAA	ITT	1B AMEND 2
	MOTA	
M38510/00107CAB	ITT	1B AMEND 2
	MOTA	
M38510/00107CAC	ITT	1B AMEND 2
M38510/00107CCA	MOTA	1B AMEND 2
M38510/00107CCB	ITT	1B AMEND 2
	MOTA	
	SIC	
	TII	
M38510/00107CCC	ITT	1B AMEND 2
	SIC	
M38510/00107CDB	SIC	1B AMEND 2
	TII	
M38510/00107CDC	SIC	1B AMEND 2
M38510/00108BAA	ITT	1B AMEND 2
	NSC	
M38510/00108BAB	ITT	1B AMEND 2
M38510/00108BAC	ITT	1B AMEND 2
	NSC	
M38510/00108BCB	ITT	1B AMEND 2
	NSC	
	SIC	
	TII	
M38510/00108BCC	ITT	1B AMEND 2
	SIC	
M38510/00108BDB	SIC	1B AMEND 2
	TII	
M38510/00108BDC	SIC	1B AMEND 2
M38510/00108CAA	ITT	1B AMEND 2
	NSC	
M38510/00108CAB	ITT	1B AMEND 2
M38510/00108CAC	ITT	1B AMEND 2
	NSC	
M38510/00108CCB	ITT	1B AMEND 2
	NSC	
	SIC	
	TII	
M38510/00108CCC	ITT	1B AMEND 2
	SIC	
M38510/00108CDB	SIC	1B AMEND 2
	TII	
M38510/00108CDC	SIC	1B AMEND 2
M38510/00109BCA	MOTA	1B AMEND 2
M38510/00109BCB	ITT	1B AMEND 2
	MOTA	
	NSC	
	SIC	
	TII	
M38510/00109BCC	ITT	1B AMEND 2
	SIC	
M38510/00109CCA	MOTA	1B AMEND 2
M38510/00109CCB	ITT	1B AMEND 2
	MOTA	
	NSC	
	SIC	
	TII	
M38510/00109CCC	ITT	1B AMEND 2
	SIC	
M38510/00201BAA	ITT	2C
	MOTA	
	NSC	
M38510/00201BAB	ITT	2C
	MOTA	
M38510/00201BAC	ITT	2C
	NSC	
M38510/00201BCA	MOTA	2C
M38510/00201BCB	ITT	2C
	MOTA	
	NSC	
	SIC	
	TII	
M38510/00201BCC	ITT	2C
	SIC	
M38510/00201BDB	SIC	2C
	TII	
M38510/00201BDC	SIC	2C
M38510/00201CAA	ITT	2C
	MOTA	
	NSC	
M38510/00201CAB	ITT	2C
	MOTA	
	SIC	
	TII	
M38510/00201CAC	ITT	2C
	NSC	
M38510/00201CCA	MOTA	2C
M38510/00201CCB	ITT	2C
	MOTA	
	NSC	
	SIC	
	TII	
M38510/00201CCC	ITT	2C
	SIC	
M38510/00201CDB	SIC	2C
	TII	
M38510/00201CDC	SIC	2C
M38510/00202BAA	ITT	2C
	MOTA	
	NSC	
	SIC	
	TII	
M38510/00202BAB	ITT	2C
	MOTA	
	SIC	
M38510/00202BAC	ITT	2C
M38510/00202BCA	MOTA	2C
M38510/00202BCB	ITT	2C
	MOTA	
	SIC	
	TII	
M38510/00202BCC	ITT	2C
	SIC	
M38510/00202BDB	SIC	2C
	TII	
M38510/00202BDC	SIC	2C
M38510/00202CAA	ITT	2C
	MOTA	
	NSC	
	SIC	
	TII	
M38510/00202CAB	ITT	2C
	MOTA	
	NSC	
	SIC	
	TII	
M38510/00202CAC	ITT	2C
	NSC	
M38510/00202CCA	MOTA	2C
M38510/00202CCB	ITT	2C
	MOTA	
	NSC	
	SIC	
	TII	
M38510/00202CCC	ITT	2C
	SIC	
M38510/00202CDB	SIC	2C
	TII	
M38510/00202CDC	SIC	2C
M38510/00203BCA	MOTA	2B
M38510/00203BCB	MOTA	2B
	NSC	
	SIC	
	TII	
M38510/00203BCC	ITT	2B
	SIC	
M38510/00203CCA	MOTA	2B
M38510/00203CCB	MOTA	2B
	NSC	
	SIC	
	TII	
M38510/00203CCC	ITT	2B
	SIC	
M38510/00204BEA	MOTA	2C
M38510/00204BEB	ITT	2C
	TII	
M38510/00204BEC	SIC	2C
M38510/00204BFB	SIC	2C
	TII	
M38510/00204BFC	SIC	2C
M38510/00204CEA	MOTA	2C
M38510/00204CEB	ITT	2C
	TII	
M38510/00204CEC	SIC	2C
M38510/00204CFB	SIC	2C
	TII	
M38510/00204CFC	SIC	2C
M38510/00205BAA	ITT	2C
	NSC	
M38510/00205BAB	ITT	2C
M38510/00205BAC	ITT	2C
	NSC	
M38510/00205BCB	ITT	2C
	NSC	
	SIC	
	TII	
M38510/00205BCC	ITT	2C
	SIC	
M38510/00205BDB	SIC	2C
	TII	
M38510/00205BDC	SIC	2C
M38510/00205CAA	ITT	2C
	NSC	
M38510/00205CAB	ITT	2C
M38510/00205CAC	ITT	2C
	NSC	
M38510/00205CCB	ITT	2C
	NSC	
	SIC	
	TII	
M38510/00205CCC	ITT	2C
	SIC	
M38510/00205CDB		2C

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Ø - QPL 38510 Part II (See Military Documents)
All others listed in Part I.

12. TYPES WITH U.S. MILITARY SPECIFICATIONS

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	MIL-M-38510/
M38510/00205CDB (cont)	SIC	
	TII	
M38510/00205CDC	SIC	2C
	TII	
M38510/00206BAA	ITT	2C
	MOTA	
M38510/00206BAB	ITT	2C
	MOTA	
M38510/00206BAC	ITT	2C
M38510/00206BCA	MOTA	2C
M38510/00206BCB	ITT	2C
	MOTA	
	SIC	
	TII	
M38510/00206BCC	ITT	2C
	SIC	
M38510/00206BDB	SIC	2C
	TII	
M38510/00206BDC	SIC	2C
M38510/00206CAA	ITT	2C
	MOTA	
M38510/00206CAB	MOTA	2C
M38510/00206CAC	ITT	2C
M38510/00206CCA	MOTA	2C
M38510/00206CCB	ITT	2C
	MOTA	
	SIC	
	TII	
M38510/00206CCC	ITT	2C
	SIC	
M38510/00206CDB	SIC	2C
	TII	
M38510/00206CDC	SIC	2C
M38510/00207BAA	MOTA	2C
M38510/00207BAB	MOTA	2C
M38510/00207BAC	MOTA	2C
M38510/00207BCA	MOTA	2C
M38510/00207BCB	MOTA	2C
M38510/00207BCC	MOTA	2C
M38510/00207CAA	MOTA	2C
M38510/00207CAB	MOTA	2C
M38510/00207CAC	MOTA	2C
M38510/00207CCA	MOTA	2C
M38510/00207CCB	MOTA	2C
M38510/00207CCC	MOTA	2C
M38510/00301BAA	ITT	3B
	MOTA	AMEND 1
M38510/00301BAB	ITT	3B
	MOTA	AMEND 1
M38510/00301BAC	ITT	3B
		AMEND 1
M38510/00301BCA	MOTA	3B
		AMEND 1
M38510/00301BCB	ITT	3B
	MOTA	AMEND 1
	SIC	
	TII	
M38510/00301BCC	ITT	3B
	SIC	AMEND 1
M38510/00301BDB	SIC	3B
	TII	AMEND 1
M38510/00301BDC	SIC	3B
M38510/00301CAA	ITT	3B
	MOTA	AMEND 1
M38510/00301CAB	ITT	3B
	MOTA	AMEND 1
M38510/00301CAC	ITT	3B
		AMEND 1
M38510/00301CCA	MOTA	3B
		AMEND 1
M38510/00301CCB	ITT	3B
	MOTA	AMEND 1
	NSC	
M38510/00301CCC	ITT	3B
	SIC	AMEND 1
M38510/00301CDB	SIC	3B
	TII	AMEND 1
M38510/00301CDC	SIC	3B
M38510/00302BAA	MOTA	3B
		AMEND 1
M38510/00302BAB	MOTA	3B
		AMEND 1
M38510/00302BAC	MOTA	2C
M38510/00302BCA	MOTA	3B
		AMEND 1
M38510/00302BCB	MOTA	3B
	SIC	AMEND 1
	TII	
M38510/00302BCC	SIC	3B
		AMEND 1
M38510/00302BDB	SIC	3B
	TII	AMEND 1
M38510/00302BDC	SIC	3B
M38510/00302CAA	MOTA	3B
		AMEND 1
M38510/00302CAB	MOTA	3B
		AMEND 1
M38510/00302CAC	MOTA	2C
M38510/00302CCA	MOTA	3B
		AMEND 1
M38510/00302CCB	MOTA	3B
	SIC	AMEND 1
	TII	
M38510/00302CCC	SIC	3B
		AMEND 1
M38510/00302CDB	SIC	3B
	TII	AMEND 1
M38510/00302CDC	SIC	3B
M38510/00303BAA	MOTA	3B
		AMEND 1
M38510/00303BAB	MOTA	3B
		AMEND 1
M38510/00303BAC	MOTA	2C
M38510/00303BCA	MOTA	3B
		AMEND 1
M38510/00303BCB	SIC	3B
	TII	AMEND 1
M38510/00303BCC	SIC	3B
		AMEND 1
M38510/00303BDB	SIC	3B
	TII	AMEND 1
M38510/00303BDC	SIC	3B
M38510/00303CAA	MOTA	3B
		AMEND 1
M38510/00303CAB	MOTA	3B
		AMEND 1
M38510/00303CAC	MOTA	2C
M38510/00303CCA	MOTA	3B
		AMEND 1
M38510/00303CCB	SIC	3B
	TII	AMEND 1
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		AMEND 1
M38510/00303CDB	SIC	3B
	TII	AMEND 1
M38510/00303CDC	SIC	3B
M38510/00401BAA	ITT	4A
	MOTA	AMEND 6
	NSC	
M38510/00401BAB	ITT	4A
	MOTA	AMEND 6
M38510/00401BAC	ITT	4A
	NSC	AMEND 6
M38510/00401BCA	MOTA	4A
		AMEND 6
M38510/00401BCB	ITT	4A
	MOTA	AMEND 6
	NSC	
	SIC	
	TII	
M38510/00401BCC	ITT	4A
	SIC	AMEND 6
M38510/00401BDB	NSC	4A
	SIC	AMEND 6
M38510/00401BDC	SIC	4A
		AMEND 6
M38510/00401CAA	ITT	4A
	MOTA	AMEND 6
	NSC	
M38510/00401CAB	ITT	4A
	MOTA	AMEND 6
M38510/00401CAC	ITT	4A
	NSC	AMEND 6
M38510/00401CCA	MOTA	4A
		AMEND 6
M38510/00401CCB	ITT	4A
	MOTA	AMEND 6
	NSC	
	SIC	
	TII	
M38510/00401CCC	ITT	4A
	SIC	AMEND 6
M38510/00401CDB	NSC	4A
	SIC	AMEND 6
M38510/00401CDC	SIC	4A
		AMEND 6
M38510/00402BEA	MOTA	4A
		AMEND 6
M38510/00402BEB	TII	4A
		AMEND 6
M38510/00402BFB	TII	4A
		AMEND 6
M38510/00402CEA	MOTA	4A
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		AMEND 6
M38510/00402CFB	TII	4A
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		AMEND 6
M38510/00403BAC	MOTA	4A
		AMEND 6
M38510/00403BCA	MOTA	4A
		AMEND 6
M38510/00403BCB	MOTA	4A
		AMEND 6
M38510/00403BCC	MOTA	4A
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		AMEND 6
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		AMEND 6
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		AMEND 6
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		AMEND 6
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		AMEND 6
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	TII	AMEND 6
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		AMEND 6
M38510/00404CCB	MOTA	4A
		AMEND 6
M38510/00404CCC	MOTA	4A
		AMEND 6
M38510/00404CDB	TII	4A
		AMEND 6
M38510/00501BAA	ITT	5A
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	NSC	
M38510/00501BAB	ITT	5A
	MOTA	AMEND 3
M38510/00501BAC	ITT	5A
	NSC	AMEND 3
M38510/00501BCA	MOTA	5A
		AMEND 3
M38510/00501BCB	ITT	5A
	MOTA	AMEND 3
	NSC	
	SIC	
	TII	
M38510/00501BCC	ITT	5A
	SIC	AMEND 3
M38510/00501BDB	NSC	5A
	SIC	AMEND 3
M38510/00501BDC	SIC	5A
		AMEND 3
M38510/00501CAA	ITT	5A
	MOTA	AMEND 3
	NSC	
M38510/00501CAB	ITT	5A
	MOTA	AMEND 3
M38510/00501CAC	ITT	5A
	NSC	AMEND 3
M38510/00501CCA	MOTA	5A
		AMEND 3
M38510/00501CCB	ITT	5A
	MOTA	AMEND 3
	NSC	
	SIC	
	TII	
M38510/00501CCC	ITT	5A
	SIC	AMEND 3
M38510/00501CDB	NSC	5A
	SIC	AMEND 3
M38510/00501CDC	SIC	5A
		AMEND 3
M38510/00502BAA	ITT	5A
	MOTA	AMEND 3
	NSC	
M38510/00502BAB	ITT	5A
	MOTA	AMEND 3
M38510/00502BAC	ITT	5A
	NSC	AMEND 3
M38510/00502BCA	MOTA	5A
		AMEND 3
M38510/00502BCB	ITT	5A
	MOTA	AMEND 3
	NSC	
	SIC	
	TII	
M38510/00502BCC	ITT	5A
	SIC	AMEND 3
M38510/00502BDB	NSC	5A
	SIC	AMEND 3
M38510/00502BDC	SIC	5A
M38510/00502CAA	ITT	5A
	MOTA	AMEND 3
	NSC	
M38510/00502CAB	ITT	5A
	MOTA	AMEND 3
M38510/00502CAC	ITT	5A
	NSC	AMEND 3
M38510/00502CCA	MOTA	5A
		AMEND 3
M38510/00502CCB	ITT	5A
	MOTA	AMEND 3
	NSC	
	SIC	
	TII	
M38510/00502CCC	ITT	5A
	SIC	AMEND 3
M38510/00502CDB	NSC	5A
	SIC	AMEND 3
M38510/00502CDC	SIC	5A
		AMEND 3
M38510/00503BAA	ITT	5A
		AMEND 3
M38510/00503BAB	ITT	5A
		AMEND 3
M38510/00503BAC	ITT	5A
	NSC	AMEND 3
M38510/00503BCA	none	5A
		AMEND 3
M38510/00503BCB	ITT	5A
	NSC	AMEND 3
	SIC	
	TII	
M38510/00503BCC	ITT	5A
	SIC	AMEND 3
M38510/00503BDB	NSC	5A
	SIC	AMEND 3
M38510/00503BDC	SIC	5A
M38510/00503CAA	ITT	5A
	NSC	AMEND 3
M38510/00503CAB	ITT	5A
		AMEND 3
M38510/00503CAC	ITT	5A
	NSC	AMEND 3
M38510/00503CCA	none	5A
		AMEND 3
M38510/00503CCB	ITT	5A
	NSC	AMEND 3
	SIC	
	TII	
M38510/00503CCC	ITT	5A
	SIC	AMEND 3
M38510/00503CDB	NSC	5A
	SIC	AMEND 3
M38510/00503CDC	SIC	5A
		AMEND 3

Ø - QPL 38510 Part II (See Military Documents)
All others listed in Part I.

12. TYPES WITH U.S. MILITARY SPECIFICATIONS

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	MIL-M-38510/
M38510/00504BAA	ITT	5A
	NSC	AMEND
	SIC	3
	TII	
M38510/00504BAB	ITT	5A
		AMEND
		3
M38510/00504BAC	ITT	5A
	NSC	AMEND
		3
M38510/00504BCA	none	5A
		AMEND
		3
M38510/00504BCB	ITT	5A
	NSC	AMEND
	SIC	3
	TII	
M38510/00504BCC	ITT	5A
	SIC	AMEND
		3
M38510/00504BDB	NSC	5A
	SIC	AMEND
	TII	3
M38510/00504BDC	SIC	5A
		AMEND
		3
M38510/00504CAA	ITT	5A
	NSC	AMEND
		3
M38510/00504CAB	ITT	5A
		AMEND
		3
M38510/00504CAC	ITT	5A
	NSC	AMEND
		3
M38510/00504CCB	ITT	5A
	NSC	AMEND
	SIC	3
	TII	
M38510/00504CCC	ITT	5A
	SIC	AMEND
		3
M38510/00504CDB	NSC	5A
	SIC	AMEND
	TII	3
M38510/00504CDC	SIC	5A
		AMEND
		3
M38510/00601BAA	ITT	6B
	MOTA	
M38510/00601BAB	ITT	6B
M38510/00601BAC	ITT	6B
M38510/00601BCA	MOTA	6B
M38510/00601BCB	ITT	6B
M38510/00601BCC	ITT	6B
M38510/00601CAA	ITT	6B
M38510/00601CAB	ITT	6B
M38510/00601CAC	ITT	6B
M38510/00601CCA	MOTA	6B
M38510/00601CCB	ITT	6B
M38510/00601CCC	ITT	6B
M38510/00602BEA	MOTA	6B
M38510/00602BEB	ITT	6B
M38510/00602BEC	SIC	6B
M38510/00602BFB	SIC TII	6B
M38510/00602BFC	SIC	6B
M38510/00602CEA	MOTA	6B
M38510/00602CEB	ITT	6B
M38510/00602CEC	SIC	6B
M38510/00602CFB	SIC	6B
M38510/00602CFC	SIC	6B
M38510/00701BAA	ITT	7A
		AMEND
		3
M38510/00701BAB	ITT	7A
		AMEND
		3
M38510/00701BAC	ITT	7A
		AMEND
		3
M38510/00701BCA	none	7A
		AMEND
		3
M38510/00701BCB	ITT	7A
	SIC	AMEND
	TII	3
M38510/00701BCC	ITT	7A
		AMEND
	SIC	3
	TII	
M38510/00701BDB	ITT	7A
	SIC	AMEND
	TII	3
M38510/00701BDC	SIC	7A
		AMEND
		3
M38510/00701CAA	ITT	7A
		AMEND
		3
M38510/00701CAB	ITT	7A
		AMEND
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		AMEND
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	TII	
M38510/00701CCA	none	7A
		AMEND
		3
M38510/00701CCB	ITT	7A
		AMEND
	SIC	3
	TII	
M38510/00701CCC	ITT	7A
		AMEND
	SIC	3
M38510/00701CDB	SIC	7A
		AMEND
	TII	3
M38510/00701CDC	SIC	7A
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M38510/00801BAC	FSC	8A
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		AMEND
	TII	1
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	MOTA	AMEND
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		1
M38510/00801CAA	MOTA	8A
		AMEND
		1
M38510/00801CAB	MOTA	8A
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	ITT	AMEND
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M38510/00802BAC	FSC	8A
	ITT	AMEND
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	TII	1
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	ITT	AMEND
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M38510/00802CCC	ITT	8A
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M38510/00802CDB	TII	8A
		AMEND
		1
M38510/00802CDC	none	8A
		AMEND
		1
M38510/00803BAA	MOTA	8A
		AMEND
		1
M38510/00803BAB	MOTA	8A
		AMEND
		1
M38510/00803BAC	FSC	8A
	ITT	AMEND
	MOTA	1
M38510/00803BCA	MOTA	8A
		AMEND
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		AMEND
	TII	1
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		AMEND
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M38510/00803CAA	MOTA	8A
		AMEND
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M38510/00803CAB	MOTA	8A
		AMEND
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	ITT	AMEND
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M38510/01001CEC	ITT	10A
	SIC	AMEND
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M38510/01001CFB	MOTA	10A
	SIC	AMEND
	TII	1
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M38510/01003CFC	SIC	10A
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M38510/01004BFB	MOTA	10A
		AMEND
	TII	1
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	TII	1
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	TII	1
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M38510/01005CEC	SIC	10A
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M38510/01005CFB	MOTA	10A
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M38510/01006BEB	TII	10A
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M38510/01006BFB	TII	10A
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M38510/01006CEB	TII	10A
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M38510/01006CFB	TII	10A
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M38510/01007BEB	TII	10A
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M38510/01007BFB	TII	10A
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M38510/01007CEB	TII	10A
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M38510/01007CFB	TII	10A
		AMEND
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M38510/01008BEA	MOTA	10A
		AMEND
		1
M38510/01008BEB	MOTA	10A
	TII	AMEND
		1
M38510/01008BFB	MOTA	10A
	TII	AMEND
		1

☑ - QPL 38510 Part II (See Military Documents)
All others listed in Part I.

12. TYPES WITH U.S. MILITARY SPECIFICATIONS

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	MIL-M-38510/
M38510/01008CEA	MOTA	10A AMEND 1 ☑
M38510/01008CEB	MOTA TII	10A ☑ AMEND 1
M38510/01008CFB	MOTA TII	10A ☑ AMEND 1
M38510/01009BAA	MOTA	10A ☑ AMEND 1
M38510/01009BAB	MOTA	10A ☑ AMEND 1
M38510/01009BAC	MOTA	10A ☑ AMEND 1
M38510/01009BCA	MOTA	10A ☑ AMEND 1
M38510/01009BCB	MOTA	10A ☑ AMEND 1
M38510/01009BCC	MOTA	10A ☑ AMEND 1
M38510/01009BDB	TII	10A ☑ AMEND 1
M38510/01009CAA	MOTA	10A ☑ AMEND 1
M38510/01009CAB	MOTA	10A ☑ AMEND 1
M38510/01009CAC	MOTA	10A ☑ AMEND 1
M38510/01009CCA	MOTA	10A ☑ AMEND 1
M38510/01009CCB	MOTA	10A ☑ AMEND 1
M38510/01009CCC	MOTA	10A ☑ AMEND 1
M38510/01009CDB	TII	10A ☑ AMEND 1
M38510/01101BJB	MOTA TII	11A ☑
M38510/01101BJC	SIC	11A ☑
M38510/01101BKB	TII	11A ☑
M38510/01101BKC	SIC	11A ☑
M38510/01101CJB	MOTA TII	11A ☑
M38510/01101CJC	SIC	11A ☑
M38510/01101CKB	TII	11A ☑
M38510/01101CKC	SIC	11A ☑
M38510/01201BAA	ITT MOTA	12A ☑
M38510/01201BAB	ITT MOTA	12A ☑
M38510/01201BAC	ITT MOTA	12A ☑
M38510/01201BCB	ITT MOTA SIC TII	12A ☑
M38510/01201BCC	ITT MOTA SIC	12A ☑
M38510/01201BDB	SIC TII	12A ☑
M38510/01201BDC	SIC	12A ☑
M38510/01201CAA	ITT MOTA	12A ☑
M38510/01201CAB cont.next col.		12A
M38510/01201CAB (cont)	ITT MOTA	☑
M38510/01201CAC	ITT MOTA SIC TII	12A ☑
M38510/01201CCB	ITT MOTA SIC TII	12A ☑
M38510/01201CCC	ITT MOTA SIC	12A ☑
M38510/01201CDB	SIC TII	12A ☑
M38510/01201CDC	SIC TII	12A ☑
M38510/01203BEB	SIC TII	12A ☑
M38510/01203BEC	SIC	12A ☑
M38510/01203BFB	SIC	12A ☑
M38510/01203BFC	SIC	12A ☑
M38510/01203CEB	SIC TII	12A ☑
M38510/01203CEC	SIC	12A ☑
M38510/01203CFB	SIC TII	12A ☑
M38510/01203CFC	SIC	12A ☑
M38510/01301BCB	ITT SIC TII	13A ☑
M38510/01301BCC	ITT SIC	13A ☑
M38510/01301BDB	SIC TII	13A ☑
M38510/01301BDC	SIC	13A ☑
M38510/01301CCB	ITT SIC TII	13A ☑
M38510/01301CCC	ITT SIC	13A ☑
M38510/01301CDB	SIC TII	13A ☑
M38510/01301CDC	SIC	13A ☑
M38510/01302BCB	ITT SIC TII	13A ☑
M38510/01302BCC	ITT SIC	13A ☑
M38510/01302BDB	SIC TII	13A ☑
M38510/01302BDC	SIC	13A ☑
M38510/01302CCB	ITT SIC TII	13A ☑
M38510/01302CCC	ITT SIC	13A ☑
M38510/01302CDB	SIC TII	13A ☑
M38510/01302CDC	SIC	13A ☑
M38510/01303BEB	SIC TII	13A ☑
M38510/01303BEC	SIC	13A ☑
M38510/01303BFB	SIC	13A ☑
M38510/01303CEB	SIC TII	13A ☑
M38510/01303CEC	SIC	13A ☑
M38510/01303CFB	SIC	13A ☑
M38510/01304BEB	SIC TII	13A ☑
M38510/01304BEC	SIC	13A ☑
M38510/01304BFB	SIC	13A ☑
M38510/01304CEB	SIC TII	13A ☑
M38510/01304CEC	SIC	13A ☑
M38510/01304CFB	SIC	13A ☑
M38510/01305BEB	SIC TII	13A ☑
M38510/01305BEC	SIC	13A ☑
M38510/01305BFB	SIC	13A ☑
M38510/01305CEB	SIC TII	13A ☑
M38510/01305CEC	SIC	13A ☑
M38510/01305CFB	SIC	13A ☑
M38510/01306BEB	SIC TII	13A ☑
M38510/01306BEC	SIC	13A ☑
M38510/01306BFB	SIC	13A ☑
M38510/01306CEB	SIC TII	13A ☑
M38510/01306CEC	SIC	13A ☑
M38510/01306CFB	SIC	13A ☑
M38510/01401BJB	TII	14 ☑ USAF
M38510/01401BKB	TII	14 ☑ USAF
M38510/01401CJB	TII	14 ☑ USAF
M38510/01401CKB	TII	14 ☑ USAF
M38510/01402BEC	AMV	14 ☑ USAF
M38510/01402BFC	AMV	14 ☑ USAF
M38510/01402CEC	AMV	14 ☑ USAF
M38510/01402CFC	AMV	14 ☑ USAF
M38510/01403BEB	TII	14 ☑ USAF
M38510/01403BFB	TII	14 ☑ USAF
M38510/01403CEB	TII	14 ☑ USAF
M38510/01403CFB	TII	14 ☑ USAF
M38510/01404BEC	AMV	14 ☑ USAF
M38510/01404BFC	AMV	14 ☑ USAF
M38510/01404CEC	AMV	14 ☑ USAF
M38510/01404CFC	AMV	14 ☑ USAF
M38510/01405BEC	AMV	14 ☑ USAF
M38510/01405BFC	AMV	14 ☑ USAF
M38510/01405CEC	AMV	14 ☑ USAF
M38510/01405CFC	AMV	14 ☑ USAF
M38510/01601BAA	MOTA	16 ☑ USAF
M38510/01601BAB	MOTA	16 ☑ USAF
M38510/01601BAC	MOTA	16 ☑ USAF
M38510/01601BCA	MOTA	16 ☑ USAF
M38510/01601BCB	MOTA TII	16 ☑ USAF
M38510/01601BCC	MOTA	16 ☑ USAF
M38510/01601BDB	TII	16 ☑ USAF
M38510/01601CAA	MOTA	16 ☑ USAF
M38510/01601CAB	MOTA	16 ☑ USAF
M38510/01601CAC	MOTA	16 ☑ USAF
M38510/01601CCA	MOTA	16 ☑ USAF
M38510/01601CCB	MOTA TII	16 ☑ USAF
M38510/01601CCC	MOTA	16 ☑ USAF
M38510/01601CDB	TII	16 ☑ USAF
M38510/01602BAA	MOTA	16 ☑ USAF
M38510/01602BAB	MOTA	16 ☑ USAF
M38510/01602BAC	MOTA	16 ☑ USAF
M38510/01602BCA	MOTA	16 ☑ USAF
M38510/01602BCB	MOTA TII	16 ☑ USAF
M38510/01602BCC	MOTA	16 ☑ USAF
M38510/01602BDB	TII	16 ☑ USAF
M38510/01602CAA	MOTA	16 ☑ USAF
M38510/01602CAB	MOTA	16 ☑ USAF
M38510/01602CAC	MOTA	16 ☑ USAF
M38510/01602CCA	MOTA	16 ☑ USAF
M38510/01602CCB	MOTA TII	16 ☑ USAF
M38510/01602CCC	MOTA	16 ☑ USAF
M38510/01602CDB	TII	16 ☑ USAF
M38510/02001BAA	NSC	20A AMEND 1
M38510/02001BAC	NSC	20A AMEND 1
M38510/02001BCB	NSC	20A AMEND 1
M38510/02001BDB	NSC	20A AMEND 1
M38510/02001CAA	NSC	20A AMEND 1
M38510/02001CAC	NSC	20A AMEND 1
M38510/02001CCB	NSC	20A AMEND 1
M38510/02001CDB	NSC	20A AMEND 1
M38510/02002BAA	NSC	20A AMEND 1
M38510/02002BAC	NSC	20A AMEND 1
M38510/02002BCB	NSC	20A AMEND 1
M38510/02002BDB	NSC	20A AMEND 1
M38510/02002CAA	NSC	20A AMEND 1
M38510/02002CAC	NSC	20A AMEND 1
M38510/02002CCB	NSC	20A AMEND 1
M38510/02002CDB	NSC	20A AMEND 1
M38510/02003BAA	NSC	20A AMEND 1
M38510/02003BAC	NSC	20A AMEND 1
M38510/02003BCB	NSC	20A AMEND 1
M38510/02003BDB	NSC	20A AMEND 1
M38510/02003CAA	NSC	20A AMEND 1
M38510/02003CAC	NSC	20A AMEND 1
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M38510/02003CDB	NSC	20A AMEND 1
M38510/02004BAA	NSC	20A AMEND 1
M38510/02004BAC	NSC	20A AMEND 1
M38510/02004BCB	NSC	20A AMEND 1
M38510/02004BDB	NSC	20A AMEND 1
M38510/02004CAA	NSC	20A AMEND 1
M38510/02004CAC	NSC	20A AMEND 1
M38510/02004CCB	NSC	20A AMEND 1
M38510/02004CDB	NSC	20A AMEND 1
M38510/02005BAA	NSC	20A AMEND 1
M38510/02005BAC	NSC	20A AMEND 1
M38510/02005BCB	NSC	20A AMEND 1
M38510/02005CAA	NSC	20A AMEND 1
M38510/02005CAC	NSC	20A AMEND 1
M38510/02005CCB	NSC	20A AMEND 1
M38510/02006BCB	NSC	20A AMEND 1
M38510/02006CCB	NSC	20A AMEND 1
M38510/02101BAA	NSC	21A AMEND 2
M38510/02101BAC	NSC	21A AMEND 2
M38510/02101BCB	NSC	21A AMEND 2
M38510/02101CAA	NSC	21A AMEND 2
M38510/02101CAC	NSC	21A AMEND 2
M38510/02101CCB	none	21A AMEND 2
M38510/02102BAA	NSC	21A AMEND 2
M38510/02102BAC	NSC	21A AMEND 2
M38510/02102BCB	NSC	21A AMEND 2
M38510/02102CAA	NSC	21A AMEND 2
M38510/02102CAC	NSC	21A AMEND 2
M38510/02102CCB	NSC	21A AMEND 2
M38510/02103BAA	NSC	21A AMEND 2

☑ - QPL 38510 Part II (See Military Documents)
All others listed in Part I.

12. TYPES WITH U.S. MILITARY SPECIFICATIONS

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	MIL-M 38510/
M38510/02103BAC	NSC	21A AMEND 2
M38510/02103CAA	NSC	21A AMEND 2
M38510/02103CAC	NSC	21A AMEND 2
M38510/02104BAA	NSC	21A AMEND 2
M38510/02104BAC	NSC	21A AMEND 2
M38510/02104CAA	NSC	21A AMEND 2
M38510/02104CAC	NSC	21A AMEND 2
M38510/02105BAA	NSC	21A AMEND 2
M38510/02105BAC	NSC	21A AMEND 2
M38510/02105BCB	NSC	21A AMEND 2
M38510/02105CAA	NSC	21A AMEND 2
M38510/02105CAC	NSC	21A AMEND 2
M38510/02105CCB	NSC	21A AMEND 2
M38510/02201BAA	ITT	22A Ø
M38510/02201BAB	ITT	22A Ø
M38510/02201BAC	ITT	22A Ø
M38510/02201BCB	ITT SIC	22A Ø
M38510/02201BCC	ITT SIC	22A Ø
M38510/02201BDB	SIC	22A Ø
M38510/02201BDC	SIC	22A Ø
M38510/02201CAA	ITT	22A Ø
M38510/02201CAB	ITT	22A Ø
M38510/02201CAC	ITT	22A Ø
M38510/02201CCB	ITT SIC	22A Ø
M38510/02201CCC	ITT SIC	22A Ø
M38510/02201CDB	SIC	22A Ø
M38510/02201CDC	SIC	22A Ø
M38510/02202BAA	ITT	22A Ø
M38510/02202BAB	ITT	22A Ø
M38510/02202BAC	ITT	22A Ø
M38510/02202BCB	ITT SIC TII	22A Ø
M38510/02202BCC	ITT SIC	22A Ø
M38510/02202BDB	SIC TII	22A Ø
M38510/02202BDC	SIC	22A Ø
M38510/02202CAA	ITT	22A Ø
M38510/02202CAB	ITT	22A Ø
M38510/02202CAC	ITT	22A Ø
M38510/02202CCB	ITT SIC TII	22A Ø
M38510/02202CCC	ITT SIC	22A Ø
M38510/02202CDB	SIC TII	22A Ø
M38510/02202CDC	SIC	22A Ø
M38510/02203BAA	ITT	22A Ø
M38510/02203BAB	ITT	22A Ø
M38510/02203BAC	ITT	22A Ø
M38510/02203BCB	ITT SIC TII	22A Ø
M38510/02203BCC	ITT SIC	22A Ø
M38510/02203BDB	SIC TII	22A Ø
M38510/02203BDC	SIC	22A Ø
M38510/02203CAA	ITT	22A Ø
M38510/02203CAB	ITT	22A Ø
M38510/02203CAC	ITT	22A Ø
M38510/02203CCB	ITT SIC TII	22A Ø
M38510/02203CCC	ITT SIC	22A Ø
M38510/02203CDB	SIC TII	22A Ø
M38510/02203CDC	SIC	22A Ø
M38510/02301BAA	ITT	23A AMEND 1
M38510/02301BAB	ITT	23A AMEND 1
M38510/02301BAC	ITT	23A AMEND 1
M38510/02301BCB	ITT SIC	23A AMEND 1
M38510/02301BCC	ITT SIC	23A AMEND 1
M38510/02301BDB	SIC	23A AMEND 1
M38510/02301BDC	SIC	23A AMEND 1
M38510/02301CAA	ITT	23A AMEND 1
M38510/02301CAB	ITT	23A AMEND 1
M38510/02301CAC	ITT	23A AMEND 1
M38510/02301CCB	ITT SIC	23A AMEND 1
M38510/02301CCC	ITT SIC	23A AMEND 1
M38510/02301CDB	SIC	23A AMEND 1
M38510/02301CDC	SIC	23A AMEND 1
M38510/02302BAA	ITT	23A Ø AMEND 1
M38510/02302BAB	ITT	23A Ø AMEND 1
M38510/02302BAC	ITT	23A Ø AMEND 1
M38510/02302BCB	SIC	23A AMEND 1
M38510/02302BCC	SIC	23A AMEND 1
M38510/02302BDB	SIC	23A AMEND 1
M38510/02302BDC	SIC	23A AMEND 1
M38510/02302CAA	ITT	23A Ø AMEND 1
M38510/02302CAB	ITT	23A Ø AMEND 1
M38510/02302CAC	ITT	23A Ø AMEND 1
M38510/02302CCB	SIC	23A AMEND 1
M38510/02302CCC	SIC	23A AMEND 1
M38510/02302CDB	SIC	23A AMEND 1
M38510/02302CDC	SIC	23A AMEND 1
M38510/02303BAA	ITT	23A Ø AMEND 1
M38510/02303BAB	ITT	23A Ø AMEND 1
M38510/02303BAC	ITT	23A Ø AMEND 1
M38510/02303BCB	SIC	23A AMEND 1
M38510/02303BCC	SIC	23A AMEND 1
M38510/02303BDB	SIC	23A AMEND 1
M38510/02303BDC	SIC	23A AMEND 1
M38510/02303CAA	ITT	23A Ø AMEND 1
M38510/02303CAB	ITT	23A Ø AMEND 1
M38510/02303CAC	ITT	23A Ø AMEND 1
M38510/02303CCB	SIC	23A AMEND 1
M38510/02303CCC	SIC	23A AMEND 1
M38510/02303CDB	SIC	23A AMEND 1
M38510/02303CDC	SIC	23A AMEND 1
M38510/02304BAA	ITT	23A Ø AMEND 1
M38510/02304BAB	ITT	23A Ø AMEND 1
M38510/02304BAC	ITT	23A Ø AMEND 1
M38510/02304BCB	SIC	23A AMEND 1
M38510/02304BCC	SIC	23A AMEND 1
M38510/02304BDB	SIC	23A AMEND 1
M38510/02304BDC	SIC	23A AMEND 1
M38510/02304CAA	ITT	23A Ø AMEND 1
M38510/02304CAB	ITT	23A Ø AMEND 1
M38510/02304CAC	ITT	23A Ø AMEND 1
M38510/02304CCB	SIC	23A AMEND 1
M38510/02304CCC	SIC	23A AMEND 1
M38510/02304CDB	SIC	23A AMEND 1
M38510/02304CDC	SIC	23A AMEND 1
M38510/02305BAA	ITT	23A Ø AMEND 1
M38510/02305BAB	ITT	23A Ø AMEND 1
M38510/02305BAC	ITT	23A Ø AMEND 1
M38510/02305BCB	SIC	23A AMEND 1
M38510/02305BCC	SIC	23A AMEND 1
M38510/02305BDB	SIC	23A AMEND 1
M38510/02305BDC	SIC	23A AMEND 1
M38510/02305CAA	ITT	23A Ø AMEND 1
M38510/02305CAB	ITT	23A Ø AMEND 1
M38510/02305CAC	ITT	23A Ø AMEND 1
M38510/02305CCB	SIC	23A AMEND 1
M38510/02305CCC	SIC	23A AMEND 1
M38510/02305CDB	SIC	23A AMEND 1
M38510/02305CDC	SIC	23A AMEND 1
M38510/02306BAB	MOTA	23A Ø AMEND 1
M38510/02306BCB	MOTA TII	23A Ø AMEND 1
M38510/02306BDB	TII	23A Ø AMEND 1
M38510/02306CAB	MOTA	23A Ø AMEND 1
M38510/02306CCB	MOTA TII	23A Ø AMEND 1
M38510/02306CDB	TII	23A Ø AMEND 1
M38510/02307BAB	MOTA	23A Ø AMEND 1
M38510/02307BCB	MOTA TII	23A Ø AMEND 1
M38510/02307CAB	MOTA	23A Ø AMEND 1
M38510/02307CCB	MOTA TII	23A Ø AMEND 1
M38510/02401BAA	MOTA	24 Ø AMEND 2
M38510/02401BAB	MOTA	24 Ø AMEND 2
M38510/02401BAC	MOTA	24 Ø AMEND 2
M38510/02401BCA	MOTA	24 Ø AMEND 2
M38510/02401BCB	MOTA TII	24 Ø AMEND 2
M38510/02401BCC	MOTA	24 Ø AMEND 2
M38510/02401BDB	TII	24 Ø AMEND 2
M38510/02401CAA	MOTA	24 Ø AMEND 2
M38510/02401CAB	MOTA	24 Ø AMEND 2
M38510/02401CAC	MOTA	24 Ø AMEND 2
M38510/02401CCA	MOTA	24 Ø AMEND 2
M38510/02401CCB	MOTA TII	24 Ø AMEND 2
M38510/02401CCC	MOTA	24 Ø AMEND 2
M38510/02401CDB	TII	24 Ø AMEND 2
M38510/02601BCB	TII	26 Ø AMEND 2 USAF
M38510/02601CCB	TII	26 Ø AMEND 2 USAF
M38510/02701BCB	TII	27 Ø AMEND 1 USAF
M38510/02701CCB	TII	27 Ø AMEND 1 USAF
M38510/02901BEB	TII	29 Ø AMEND 1 USAF
M38510/02901CEB	TII	29 Ø AMEND 1 USAF
M38510/02905BEB	TII	29 Ø AMEND 1 USAF
M38510/02905CEB	TII	29 Ø AMEND 1 USAF
M38510/03001BAA	MOTA	30 Ø
M38510/03001BAB	MOTA	30 Ø
M38510/03001BCA	MOTA	30 Ø
M38510/03001BCB	MOTA	30 Ø
M38510/03001CAA	MOTA	30 Ø
M38510/03001CAB	MOTA	30 Ø
M38510/03001CCA	MOTA	30 Ø
M38510/03001CCB	MOTA	30 Ø
M38510/03002BAA	MOTA	30 Ø
M38510/03002BAB	MOTA	30 Ø
M38510/03002BCA	MOTA	30 Ø
M38510/03002BCB	MOTA	30 Ø
M38510/03002CAA	MOTA	30 Ø
M38510/03002CAB	MOTA	30 Ø
M38510/03002CCA	MOTA	30 Ø
M38510/03002CCB	MOTA	30 Ø
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M38510/03003BAB	MOTA	30 Ø
M38510/03003BCA	MOTA	30 Ø
M38510/03003BCB	FSC MOTA	30 Ø
M38510/03003CAA	MOTA	30 Ø
M38510/03003CAB	MOTA	30 Ø
M38510/03003CCA	MOTA	30 Ø
M38510/03003CCB	MOTA	30

cont next page

Ø - QPL 38510 Part II (See Military Documents)
All others listed in Part I.

12. TYPES WITH U.S. MILITARY SPECIFICATIONS

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	MIL-M-38510/
M38510/03003CCB (cont.)	FSC	☑
	MOTA	
M38510/03004BAA	MOTA	30 ☑
M38510/03004BAB	MOTA	30 ☑
M38510/03004BCA	MOTA	30 ☑
M38510/03004BCB	FSC	30 ☑
	MOTA	
M38510/03004CAA	MOTA	30 ☑
M38510/03004CAB	MOTA	30 ☑
M38510/03004CCA	MOTA	30 ☑
M38510/03004CCB	FSC	30 ☑
	MOTA	
M38510/03005BAA	MOTA	30 ☑
M38510/03005BAB	MOTA	30 ☑
M38510/03005BCA	MOTA	30 ☑
M38510/03005BCB	FSC	30 ☑
	MOTA	
M38510/03005CAA	MOTA	30 ☑
M38510/03005CAB	MOTA	30 ☑
M38510/03005CCA	MOTA	30 ☑
M38510/03005CCB	FSC	30 ☑
	MOTA	
M38510/04001BAA	MOTA	40 ☑ AMEND 1 USAF
M38510/04001BAB	MOTA	40 ☑ AMEND 1 USAF
M38510/04001BAC	MOTA	40 ☑ AMEND 1 USAF
M38510/04001BCA	MOTA	40 ☑ AMEND 1 USAF
M38510/04001BCB	MOTA	40 ☑ AMEND 1 USAF
M38510/04001BCC	MOTA	40 ☑ AMEND 1 USAF
M38510/04001CAA	MOTA	40 ☑ AMEND 1 USAF
M38510/04001CAB	MOTA	40 ☑ AMEND 1 USAF
M38510/04001CAC	MOTA	40 ☑ AMEND 1 USAF
M38510/04001CCA	MOTA	40 ☑ AMEND 1 USAF
M38510/04001CCB	MOTA	40 ☑ AMEND 1 USAF
M38510/04001CCC	MOTA	40 ☑ AMEND 1 USAF
M38510/04002BAA	MOTA	40 ☑ AMEND 1 USAF
M38510/04002BAB	MOTA	40 ☑ AMEND 1 USAF
M38510/04002BAC	MOTA	40 ☑ AMEND 1 USAF
M38510/04002BCA	MOTA	40 ☑ AMEND 1 USAF
M38510/04002BCB	MOTA	40 ☑ AMEND 1 USAF
M38510/04002BCC	MOTA	40 ☑ AMEND 1 USAF
M38510/04002CAA	MOTA	40 ☑ AMEND 1 USAF
M38510/04002CAB	MOTA	40 ☑ AMEND 1 USAF
M38510/04002CAC	MOTA	40 ☑ AMEND 1 USAF
M38510/04002CCA	MOTA	40 ☑ AMEND 1 USAF
M38510/04002CCB	MOTA	40 ☑ AMEND 1 USAF
M38510/04002CCC	MOTA	40 ☑ AMEND 1 USAF
M38510/04003BAA	MOTA	40 ☑ AMEND 1 USAF
M38510/04003BAB	MOTA	40 ☑ AMEND 1 USAF
M38510/04003BAC	MOTA	40 ☑ AMEND 1 USAF
M38510/04003BCA	MOTA	40 ☑ AMEND 1 USAF
M38510/04003BCB	MOTA	40 ☑ AMEND 1 USAF
M38510/04003BCC	MOTA	40 ☑ AMEND 1 USAF
M38510/04003CAA	MOTA	40 ☑ AMEND 1 USAF
M38510/04003CAB	MOTA	40 ☑ AMEND 1 USAF
M38510/04003CAC	MOTA	40 ☑ AMEND 1 USAF
M38510/04003CCA	MOTA	40 ☑ AMEND 1 USAF
M38510/04003CCB	MOTA	40 ☑ AMEND 1 USAF
M38510/04003CCC	MOTA	40 ☑ AMEND 1 USAF
M38510/04004BAA	MOTA	40 ☑ AMEND 1 USAF
M38510/04004BAB	MOTA	40 ☑ AMEND 1 USAF
M38510/04004BAC	MOTA	40 ☑ AMEND 1 USAF
M38510/04004BCA	MOTA	40 ☑ AMEND 1 USAF
M38510/04004BCB	MOTA	40 ☑ AMEND 1 USAF
M38510/04004BCC	MOTA	40 ☑ AMEND 1 USAF
M38510/04004CAA	MOTA	40 ☑ AMEND 1 USAF
M38510/04004CAB	MOTA	40 ☑ AMEND 1 USAF
M38510/04004CAC	MOTA	40 ☑ AMEND 1 USAF
M38510/04004CCA	MOTA	40 ☑ AMEND 1 USAF
M38510/04004CCB	MOTA	40 ☑ AMEND 1 USAF
M38510/04004CCC	MOTA	40 ☑ AMEND 1 USAF
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M38510/04005CAB	MOTA	40 ☑ AMEND 1 USAF
M38510/04005CAC	MOTA	40 ☑ AMEND 1 USAF
M38510/04005CCA	MOTA	40 ☑ AMEND 1 USAF
M38510/04005CCB	MOTA	40 ☑ AMEND 1 USAF
M38510/04005CCC	MOTA	40 ☑ AMEND 1 USAF
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M38510/05001ADA	RCA	50A ☑ AMEND 1 NASA
M38510/05001BCA	RCA	50A ☑ AMEND 1 NASA
M38510/05001BDA	RCA	50A ☑ AMEND 1 NASA
M38510/05001CCA	RCA	50A ☑ AMEND 1 NASA
M38510/05001CDA	RCA	50A ☑ AMEND 1 NASA
M38510/05002ACA	RCA	50A ☑ AMEND 1 NASA
M38510/05002ADA	RCA	50A ☑ AMEND 1 NASA
M38510/05002BCA	RCA	50A ☑ AMEND 1 NASA
M38510/05002BDA	RCA	50A ☑ AMEND 1 NASA
M38510/05002CCA	RCA	50A ☑ AMEND 1 NASA
M38510/05002CDA	RCA	50A ☑ AMEND 1 NASA
M38510/05003ACA	RCA	50A ☑ AMEND 1 NASA
M38510/05003ADA	RCA	50A ☑ AMEND 1 NASA
M38510/05003BCA	RCA	50A ☑ AMEND 1 NASA
M38510/05003BDA	RCA	50A ☑ AMEND 1 NASA
M38510/05003CCA	RCA	50A ☑ AMEND 1 NASA
M38510/05003CDA	RCA	50A ☑ AMEND 1 NASA
M38510/05101ACA	RCA	51A ☑ NASA
M38510/05101ADA	RCA	51A ☑ NASA
M38510/05101BCA	RCA	51A ☑ NASA
M38510/05101BDA	RCA	51A ☑ NASA
M38510/05101CCA	RCA	51A ☑ NASA
M38510/05101CDA	RCA	51A ☑ NASA
M38510/05102AEA	RCA	51A ☑ NASA
M38510/05102AFA	RCA	51A ☑ NASA
M38510/05102BEA	RCA	51A ☑ NASA
M38510/05102BFA	RCA	51A ☑ NASA
M38510/05102CEA	RCA	51A ☑ NASA
M38510/05102CFA	RCA	51A ☑ NASA
M38510/05301ACA	RCA	53 ☑ AMEND 2 NASA
M38510/05301ADA	RCA	53 ☑ AMEND 2 NASA
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M38510/05301BDA	RCA	53 ☑ AMEND 2 NASA
M38510/05301CCA	RCA	53 ☑ AMEND 2 NASA
M38510/05301CDA	RCA	53 ☑ AMEND 2 NASA
M38510/05302AFA	RCA	53 ☑ AMEND 2 NASA
M38510/05302BFA	RCA	53 ☑ AMEND 2 NASA
M38510/05302CFA	RCA	53 ☑ AMEND 2 NASA
M38510/05501AEA	RCA	55A ☑ NASA
M38510/05501AFA	RCA	55A ☑ NASA
M38510/05501BEA	RCA	55A ☑ NASA
M38510/05501BFA	RCA	55A ☑ NASA
M38510/05501CEA	RCA	55A ☑ NASA
M38510/05501CFA	RCA	55A ☑ NASA
M38510/05502AEA	RCA	55A ☑ NASA
M38510/05502AFA	RCA	55A ☑ NASA
M38510/05502BEA	RCA	55A ☑ NASA
M38510/05502BFA	RCA	55A ☑ NASA
M38510/05502CEA	RCA	55A ☑ NASA
M38510/05502CFA	RCA	55A ☑ NASA
M38510/05503AEA	RCA	55A ☑ NASA
M38510/05503AFA	RCA	55A ☑ NASA

☑ - QPL 38510 Part II (See Military Documents) All others listed in Part I.

12. TYPES WITH U.S. MILITARY SPECIFICATIONS

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	MIL-M-38510/
M38510/05503BEA	RCA	55A ☑ NASA
M38510/05503BFA	RCA	55A ☑ NASA
M38510/05503CEA	RCA	55A ☑ NASA
M38510/05503CFA	RCA	55A ☑ NASA
M38510/05504AEA	RCA	55A ☑ NASA
M38510/05504AFA	RCA	55A ☑ NASA
M38510/05504BEA	RCA	55A ☑ NASA
M38510/05504BFA	RCA	55A ☑ NASA
M38510/05504CEA	RCA	55A ☑ NASA
M38510/05504CFA	RCA	55A ☑ NASA
M38510/10401BCB	TII	104 ☑ AMEND 1 USAF
M38510/10401CCB	TII	104 ☑ AMEND 1 USAF
M38510/10402BCB	TII	104 ☑ AMEND 1 USAF
M38510/10402CCB	TII	104 ☑

TYPE No.	MFRS	MIL-S-38510/

TYPE No.	MFRS	MIL-S-38510/

TYPE No.	MFRS	MIL-S-38510/

TYPE No.	MFRS	MIL-S-38510/

MILITARY DOCUMENTS

Department of Defense Index of Specifications and Standards dated 1 July 1972, Supplement dated 1 May 1973.

Device Manufacturers Qualifications on Test Reference Letter.

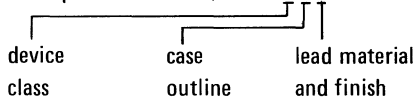
MIL–M–38510B (USAF) Military Specification, General Specification for Microcircuits, dated 1 October 1973, used in lieu of MIL–M–38510A Military Specification, dated 3 July 1972, Supplement 1B, dated 23 August 1973, and Amendment 1, dated 2 October 1972.

QPL–38510–14 Qualified Products List (Part I) of Products Qualified Under Military Specification MIL–M–38510, dated 22 March 1974. Qualified Products List (Part II) of Products Qualified Under Military Specification MIL–M–38510, dated 22 March 1974. These products are considered qualified products. Therefore, manufacturers listed on QPL–38510 shall "JAN" mark and ship the specific part numbered devices for which they are listed, providing all required quality conformance inspections have been successfully completed. They have not been subjected to all the tests required for qualification under the latest effective issue of MIL–M–38510; however, the manufacturers have performed sufficient similar tests to indicate that the products have the potential of complying with the MIL–M–38510 requirements.

MIL–STD–883 Military Standard; Test Methods and Procedures for Microelectronics, dated 1 May 1968, Notice 4, dated 31 August 1972.

NOTE: The 3-letter suffix at the end of the type number represents device class (degree of quality assurance testing), case outline and lead material finish as shown below:

Example: M38510/00101XXX



Only types with actual sources of supply are listed in this edition.

☑ - QPL 38510 Part II (See Military Documents) All others listed in Part I.

LOGIC DRAWING No. SIGNIFICANCE

The first three characters (a letter and two numerals) of the logic drawing number have the following significance: The letter code (interpreted in the adjacent block) indicates the circuit family (according to technical section title in this D.A.T.A.BOOK); the next two numerals indicate the "use" or "type of" category within that technical section. The last digit or digits indicate a serial number assigned by D.A.T.A.

LOGIC DRAWING No. PREFIX (letter code)

Letter Code	Applies to Tech. Sect. No.
B	4
C	5
E	6
F	7
G	8
J	10
K	11

LOGIC SYMBOLS CODES

BD – Base Direct
BR – Base Reset
BS – Base Set
C – Control
CL – Clamping
CO – Zero Control
C1 – One Control
DR – Direct Reset
DS – Direct Set
E – Enable
FF – Flip-Flop
G – Gate
N – Node
OS – Oscillator
PS – Preset
R – Reset (Clear)
RG – Reset Gate
S – Set
SG – Set Gate
SH – Shift
SR – Shift Register
SS – Single Shot (One Shot)
T – Counter and/or Clock
TR – Trigger (Toggle)
V_{AA} – Positive Voltage
V_{BB} – Base Voltage
V_{CC} – Collector Voltage
V_{DD} – Negative Voltage
V_{EE} – Emitter Voltage
VR – Voltage Reference

NOTES

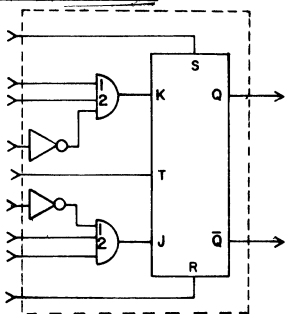
These outline drawings are intended as a guide for the user. They should not be used for constructive purposes wihtout first checking with the appropriate manufacturer.

These drawings are referenced in the Technical Sections of this D.A.T.A.BOOK in accordance with information supplied by the manufacturers.

The MO and TO drawings have been reproduced from JEDEC Registration Data Files with the permission of the National Electrical Manufacturer's Association – Electronic Industries Association. JEDEC designations are assigned only to outlines submitted by the JC-11 Committee on Mechanical Standardization. The procedure of assigning and announcing the JEDEC designation constitutes registration.

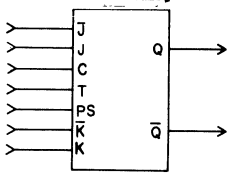
All drawings have circular symmetry unless otherwise indicated.

B02-2

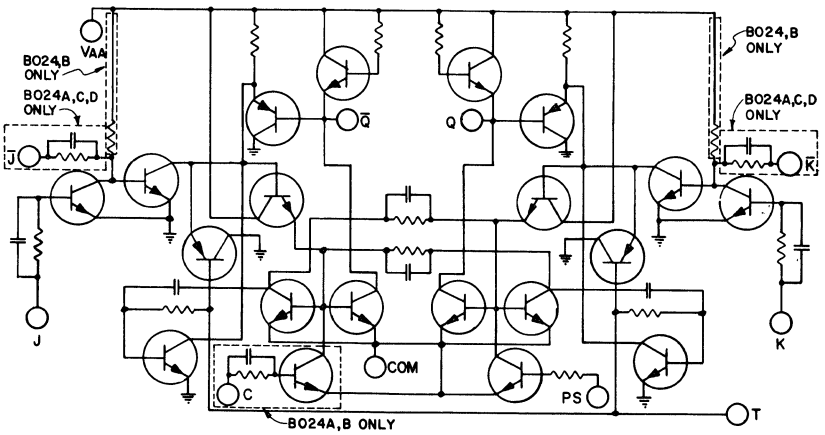


OUTLINE	K1	K2	R̄	J1	J2	J̄	R	S	Q	Q̄	T
FP	1	14	13	8	7	9	5	3	12	10	2
MP	1C	11	9	3	4	5	2	13	8	6	12

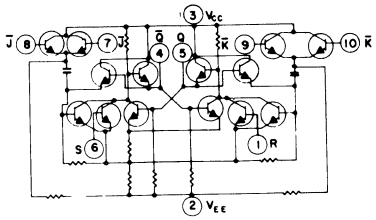
B02-4

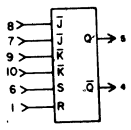


	OUTLINE	CKT	J	J̄	K	K̄	T	PS	C	Q	Q̄	VAA	COM
B024	FP	1	12	NC	3	NC	13	2	NC	1	14	11	4
		2	5	NC	10	NC	6	9	NC	8	7		
	MP	1	13	NC	4	NC	14	3	NC	2	15	12	5
		2	6	NC	11	NC	7	10	NC	9	8		
B024A	FP	1	13	12	9	10	1	5	3	6	2	11	4
	MP	1	14	13	10	11	2	6	4	7	3	12	5
B024B	FP	1	3	NC	12	NC	6	13	2	14	1	11	4
		2	5	NC	10	NC	6	9	2	8	7		
	MP	1	4	NC	13	NC	7	14	3	15	2	12	5
		2	6	NC	11	NC	7	10	3	9	8		
B024C	FP	1	1	2	5		7	9	NC	10	6	11	4
B024D	FP	1	10	9	6	7	2	4	NC	5	1	8	4

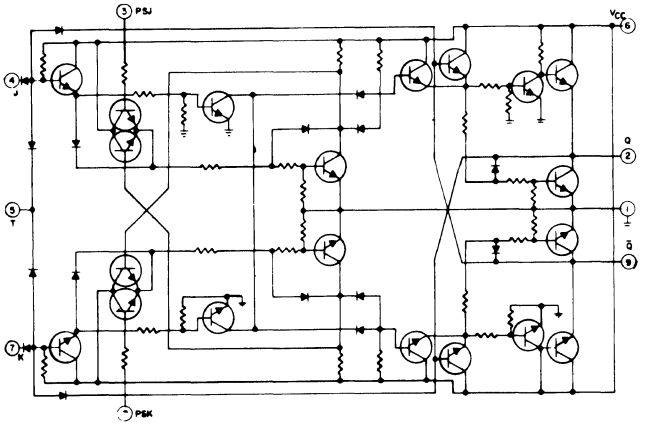


B02-7

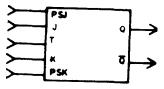




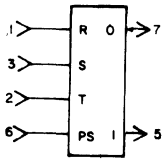
B02-16

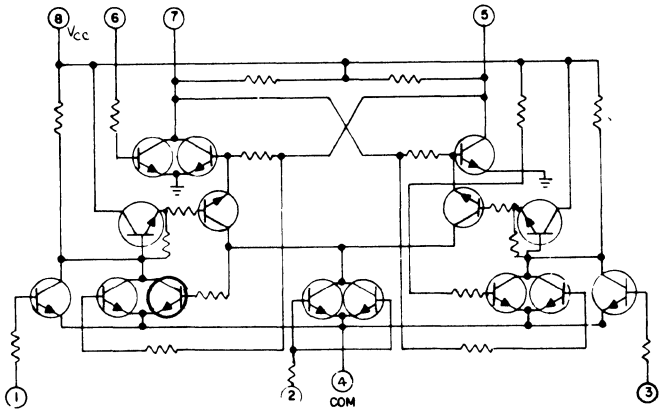


DWG.NO	J	PSJ	K	PSK	Q	$\bar{Q}$	T	VCC	COM
B0216	4	3	7	8	2	9	5	6	1
B0216A	5	4	10	11	3	12	7	8	1

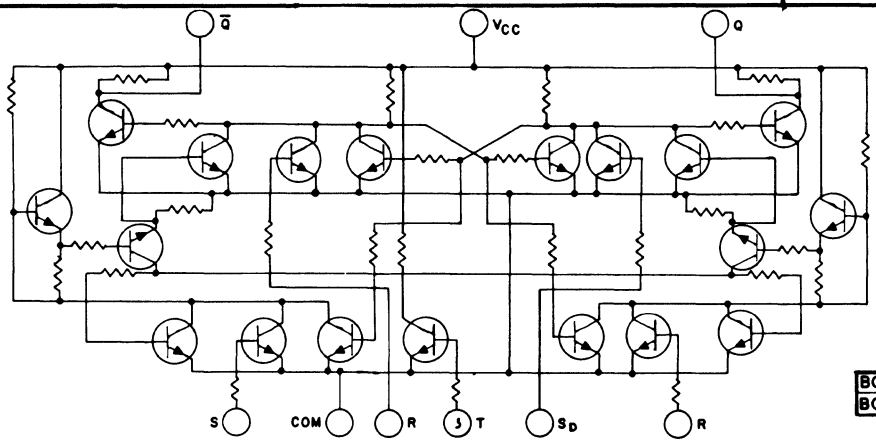


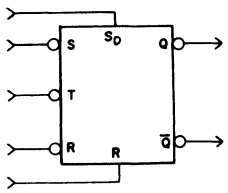
B02-21





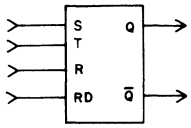
B02-27

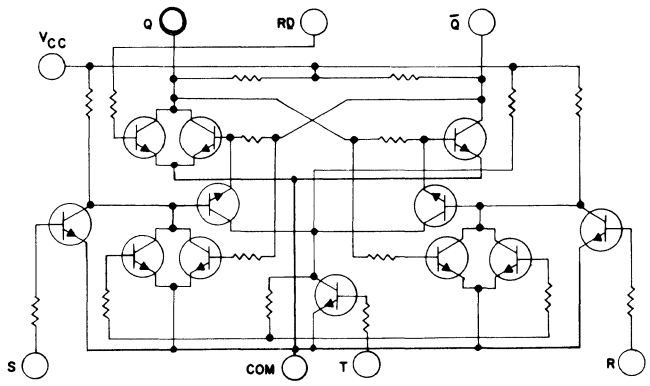




	S	SD	R	RD	T	Q	$\bar{Q}$	V_{CC}	COM
B02-27	2	8	4	1	3	9	7	10	5
B02-27A	13	12	3	9	2	10	6	11	4

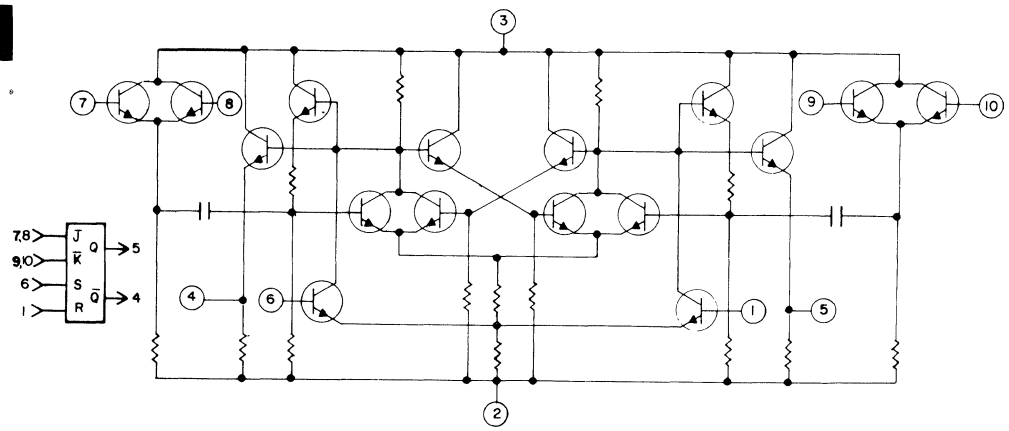
B02-30



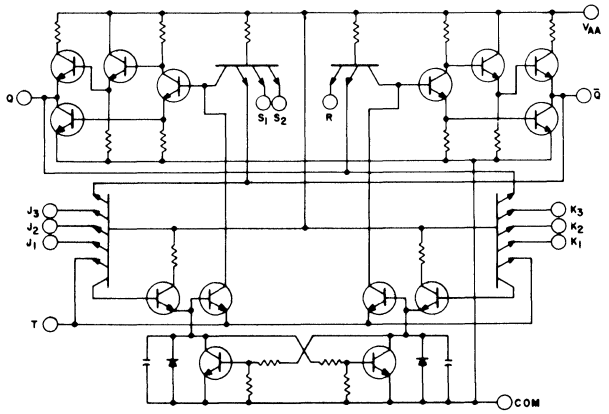


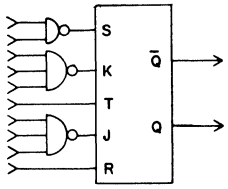
	S	T	R	RD	Q	$\bar{Q}$	COM	V_{CC}	PKG STYLE
B0230	1	2	3	6	7	5	4	8	CN
	2	3	4	8	9	7	5	10	FP
B0230A	1	2	3	6	7	5	4	8	CN
	1	2	4	7	9	6	5	10	FP
B0230B	12	2	3	9	5	10	4	11	MP

B02-31



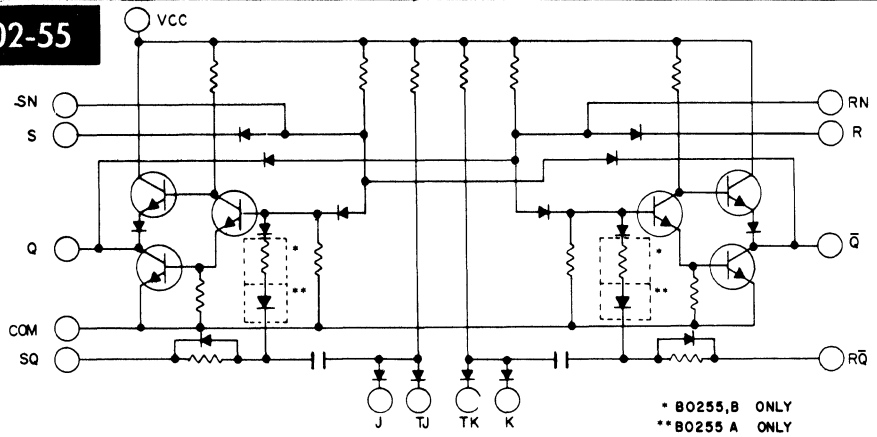
B02-42

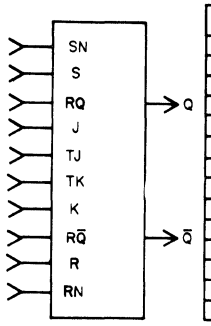




	CKT NO	S_1	S_2	K_1	K_2	K_3	J_1	J_2	J_3	R	$\bar{Q}$	Q	T	V_{AA}	COM
B02-42	1	9	8	2	1	14	5	6	7	13	12	11	3	4	10

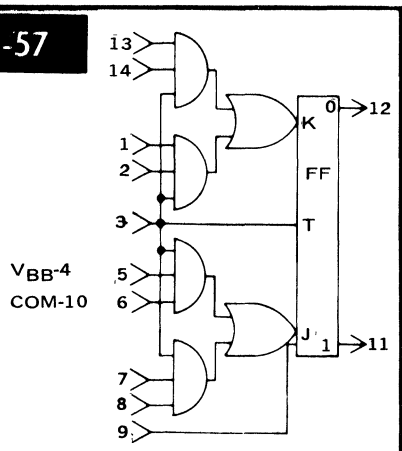
B02-55



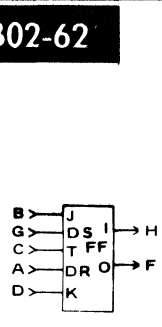


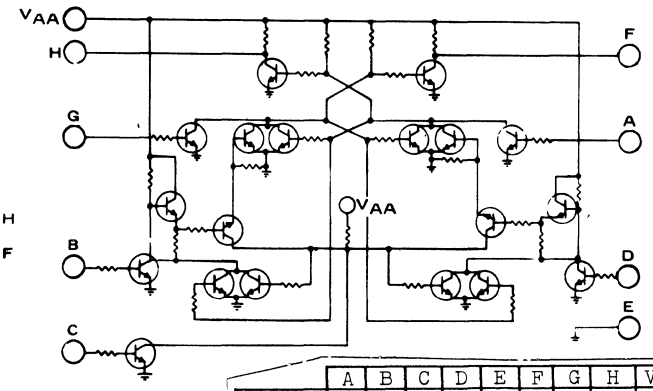
	CN	FP_1	FP_2
S	5	8	7
SN	NC	9	NC
SQ	1	3	4
R	3	6	5
RN	NC	5	NC
RQ̄	7	11	8
Q	2	4	4
Q̄	6	10	8
J	12	2	3
TJ	11	1	2
K	8	12	9
TK	9	13	1
VCC	4	7	6
COM	10	14	10

B02-57



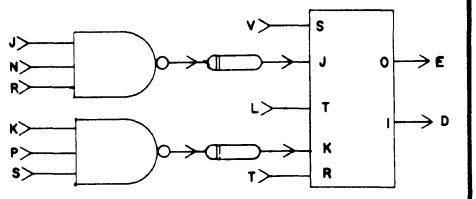
B02-62



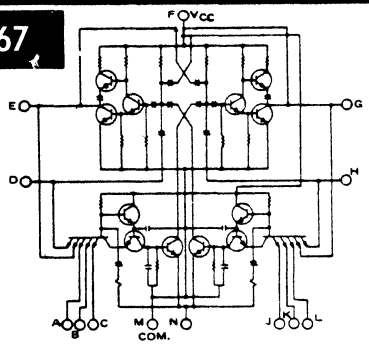


	A	B	C	D	E	F	G	H	VAA
B02-62	1	2	3	4	5	7	8	9	10

B02-63



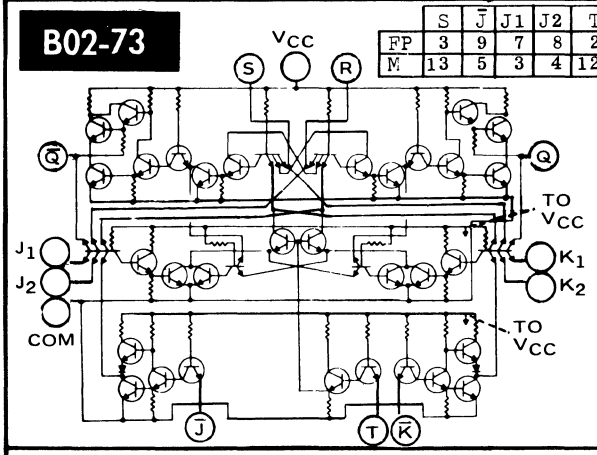
B02-67



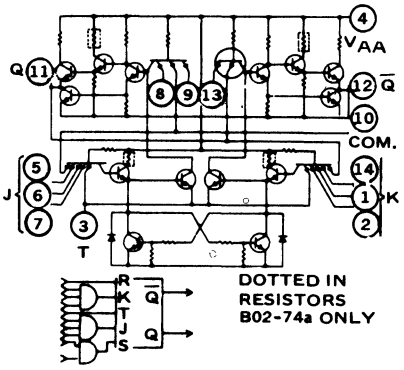
	A	B	C	D	E	F	G	H	J	K	L	M	N
B02-67a	1	2	4	6	5	7	10	9	13	12	11	14	3

B02-73

	S	$\bar{J}$	J1	J2	T	$\bar{K}$	K1	K2	R	Q	$\bar{Q}$	VCC	COM
FP	3	9	7	8	2	13	1	14	5	12	10	4	11
M	13	5	3	4	12	9	10	11	2	8	6	14	7

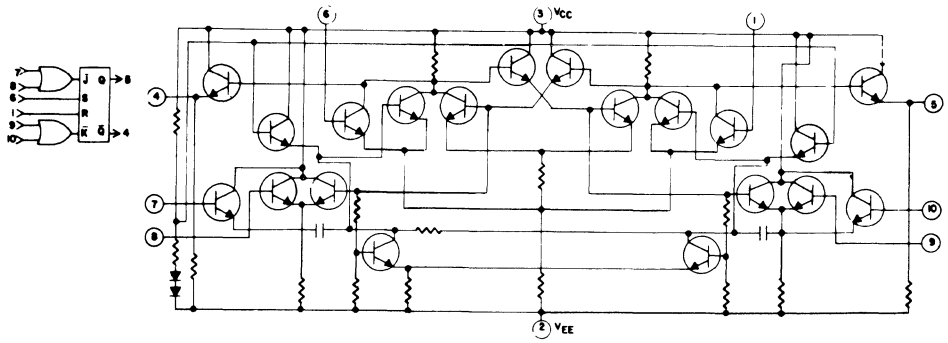


B02-74

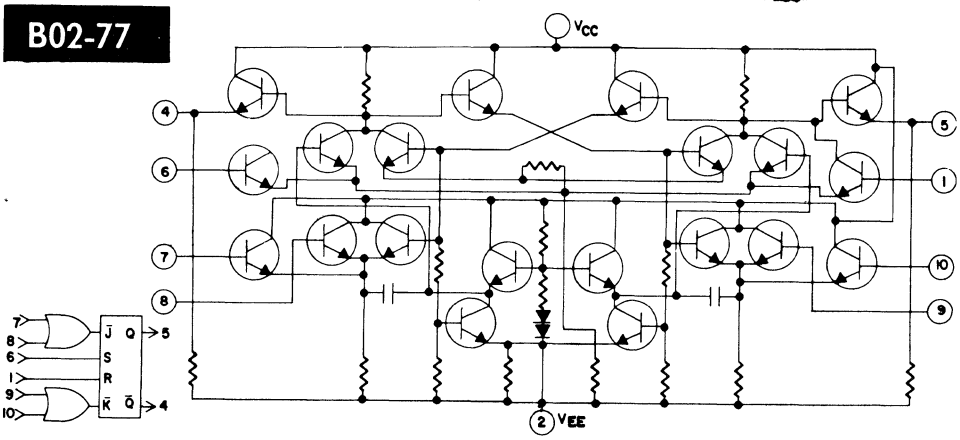


DOTTED IN RESISTORS B02-74a ONLY

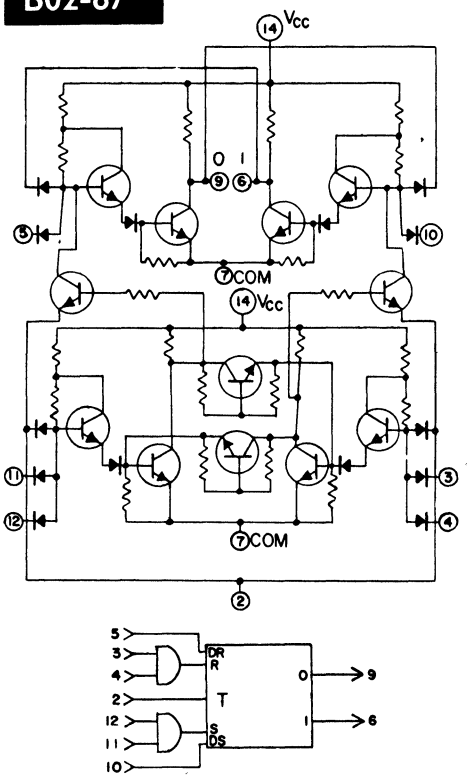
B02-76



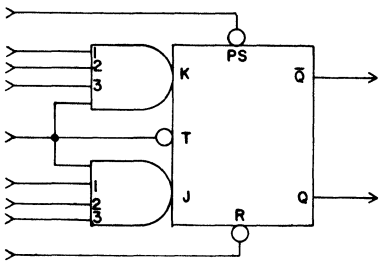
B02-77



B02-87

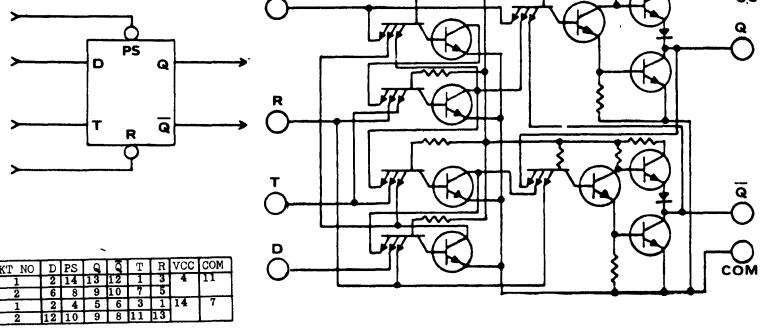


B02-88



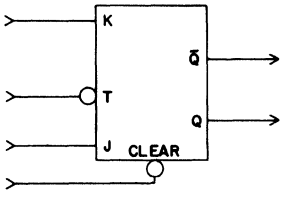
	CKT NO.	PKG	K1	K2	K3	J1	J2	J3	Q	$\bar{Q}$	T	PS	R	COM	VCC	NC
B02-88	1	FP	14	1	13	7	8	9	12	10	2	3	5	11	4	6
	1	MP	9	10	11	3	4	5	8	6	12	13	2	7	14	1
B02-88a	1		104	205		204	107		207	108	203	206	105	101,115	202	102, 201,2,5
	2		110	211		210	112		213	113	209	212	114	101,115	202	102, 201,215

B02-89



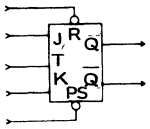
	CKT NO	D	PS	Q	$\bar{Q}$	T	R	VCC	COM
FP	1	2	14	13	12	1	3	4	11
	2	6	8	9	10	7	5		
MP	1	2	4	5	6	3	1	14	7
	2	12	10	9	8	11	13		

B02-91



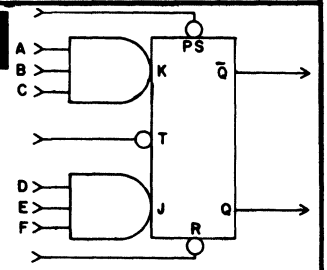
	CKT NO	K	T	J	$\bar{Q}$	Q	CLEAR	VCC	COM
B02-91	1	3	1	14	13	12	2	4	11
	2	10	5	7	8	9	6		
B02-91a	1	2	1	3	5	6	4	14	7
	2	12	13	11	9	8	10		
B02-91b	1	11	12	13	2	3	1	14	7
	2	12	9	8	5	4	6		
B02-91c	1	203	103	104	105	207	205	202	101,115
	2	204	106	107	108	208	206	202	101,115
	3	209	109	110	114	213	211	202	101,115
	4	210	111	112	113	214	212	202	101,115
B02-91d	1	1	4	3	5	6	2	14	7
	2	13	10	11	9	8	12		

B02-92



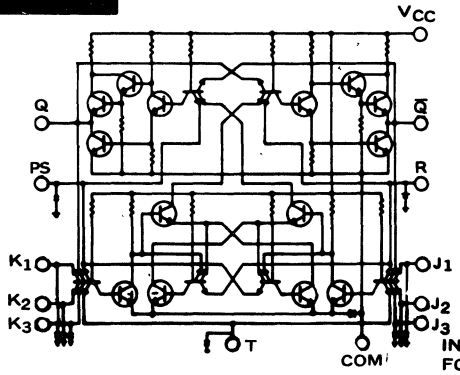
	PKG	CKT.	K	J	T	PS	R	$\bar{Q}$	Q	VCC	COM
B02-92		1	16	4	1	2	3	14	15	5	13
		2	12	9	6	7	8	10	11		
B02-92a		1	2	3	1	4	13	5	6	14	7
		2	12	11	1	10	13	9	8		
B02-92b	FP	1	3	1	2		13	12	14	4	11
		2	5	7	6		9	10	8		
	FP	1	3	2	6	1	13	12	14	4	11
		2	5	7	6	8	13	10	9		
B02-92c	M	1	1	3	2	11	9	6	5	14	7
		2	13	12	2	11	9	8	10		
B02-92d	M	1	1	3	2	4	6	7	5	16	8
		2	15	13	14	12	10	9	11		
B02-92e	M	1	1	4	5	2	3	6	7	16	8
		2	15	12	11	14	13	10	9		

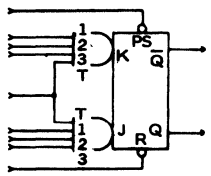
B02-94



	A	B	C	D	E	F	T	VCC	COM	PS	R	Q	$\bar{Q}$
B02-94	14	1	13	7	8	9		4	11	3	5	12	10
B02-94a	12	11	NC	3	4	NC		14	7	5	10	6	9
B02-94b	9	10	11	3	4	5	12,	13	2	8	6	14	7
B02-94c	3	4	5	9	10	11	12	14	7	13	2	6	8

B02-95

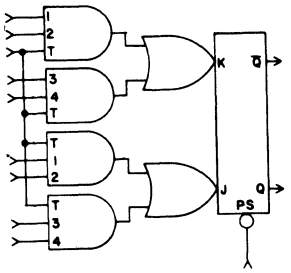




	K			J			PS	R	Q	$\bar{Q}$	T	VCC	COM
	1	2	3	1	2	3							
FP	13	14	1	7	8	9	3	5	12	10	2	4	11
M	9	10	11	3	4	5	13	2	8	6	12	14	7

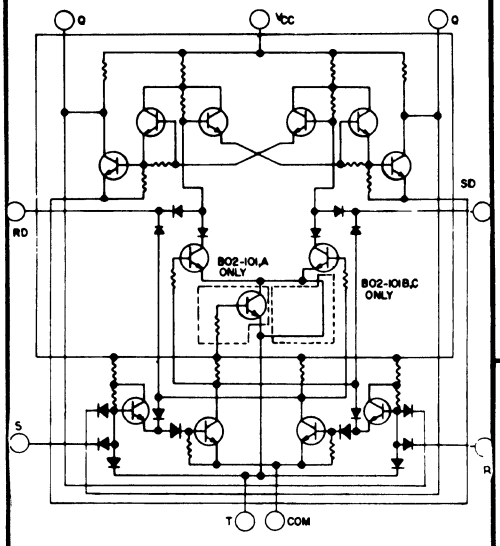
INPUT CLAMPING DIODES FOR US 54 AND 74 TYPES ONLY

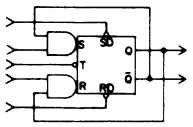
B02-97



	K				J				T	PS	Q	$\bar{Q}$	Vcc	COM
	1	2	3	4	1	2	3	4						
FP	13	14	1	2	5	6	7	8	3	9	10	12	4	11
M	9	10	11	12	1	2	3	4	13	5	6	8	14	7

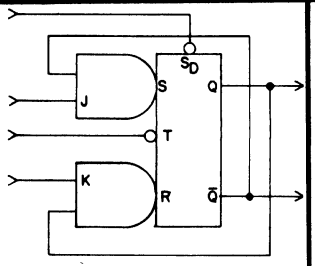
B02-101





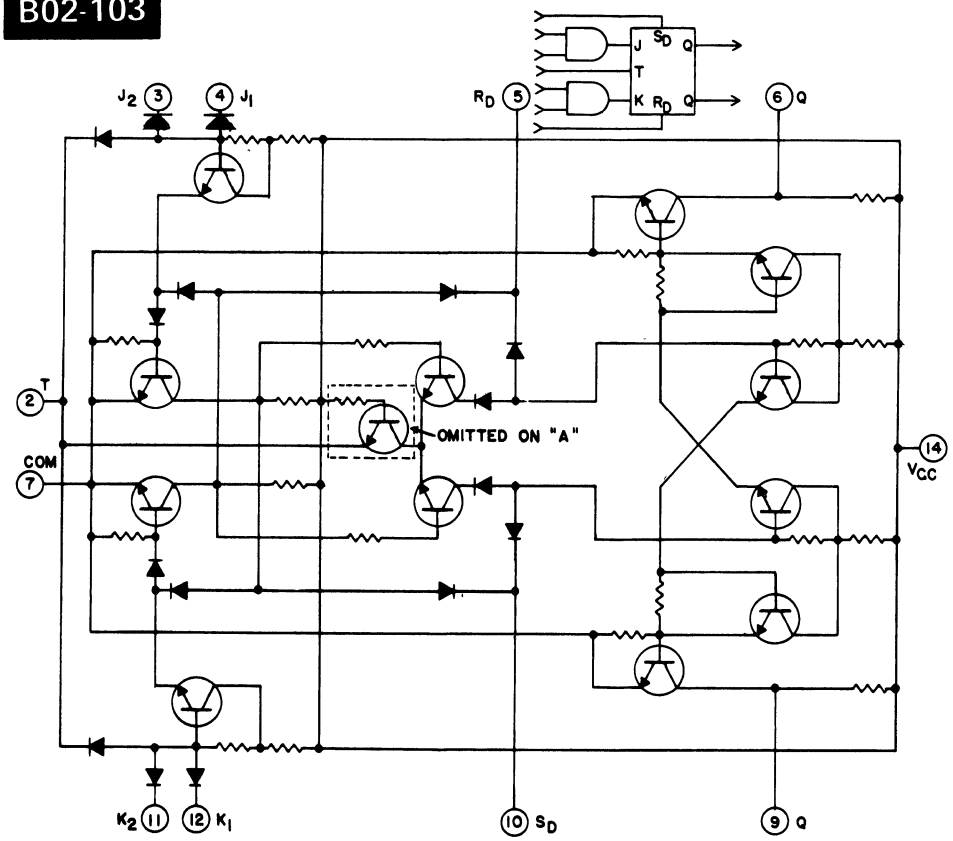
	PKG	CKT NO	S	T	R	BO	RO	Q	$\overline{Q}$	COM	VCC
B02-101	MP/FP	1	3	1	2	4	13	6	5	7	14
AND b		2	11	1	12	10	13	6	9		
B02-101a	MP/FP	1	3	1	2	4		6	5	7	14
AND c		2	11	13	12	10		8	9		

B02-102

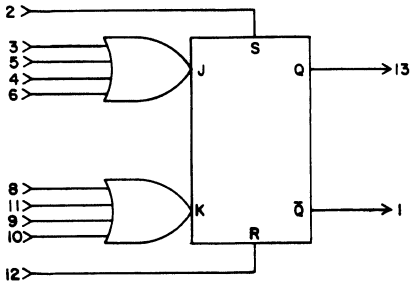


	CKT NO	S_D	J	T	K	Q	$\overline{Q}$	V_{CC}	COM
B02-102	1	4	3	1	2	6	5	14	7
B02-102a	2	10	11	13	12	8	9	14	7

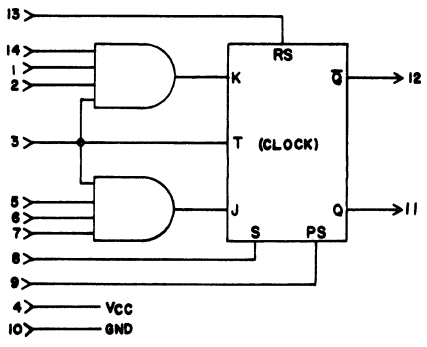
B02-103



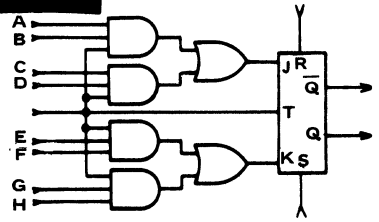
B02-104



B02-105

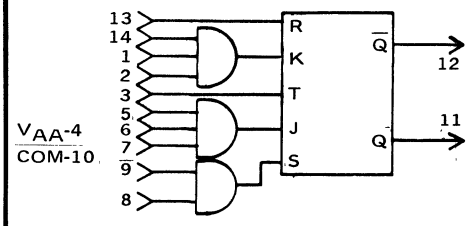


B02-106



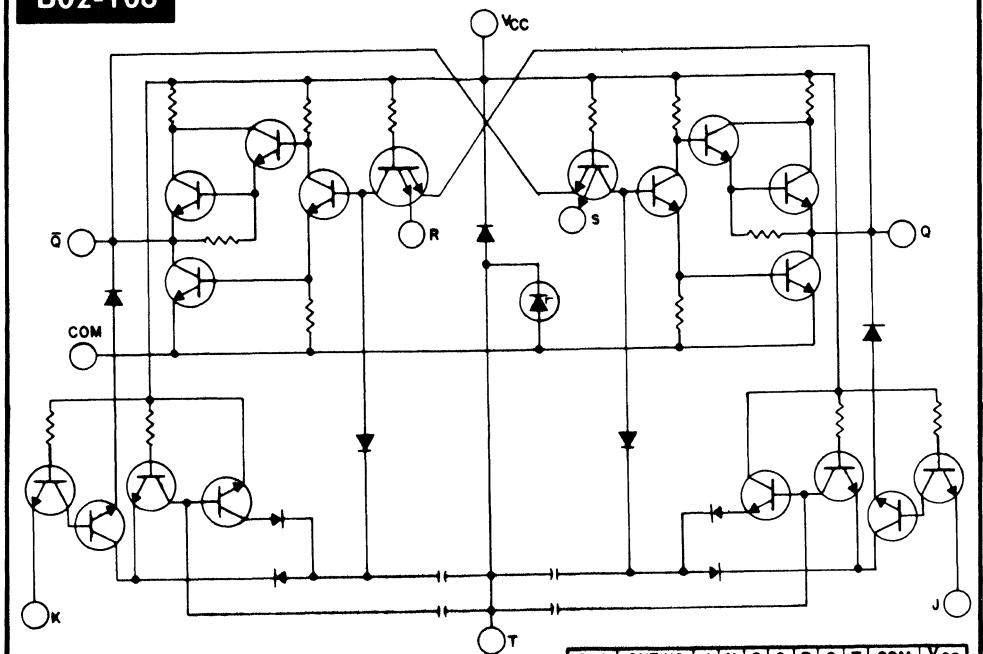
	A	B	C	D	E	F	G	H	T	S	R	Q	$\overline{Q}$	VCC	GND
B02-106	1	2	13	14	5	6	7	8	3	9		11	12	4	10
B02-106a	1	2	3	4	9	10	11	12	13	5		6	8	14	7
B02-106b	1	2	13	14	5	6	7	8	3	9		10	12	4	11

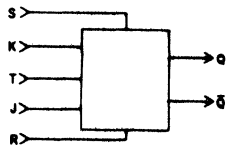
B02-107



$\frac{V_{AA}\text{-}4}{\text{COM-}10}$

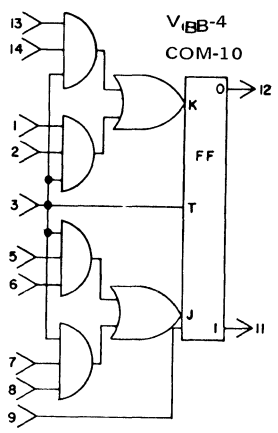
B02-108



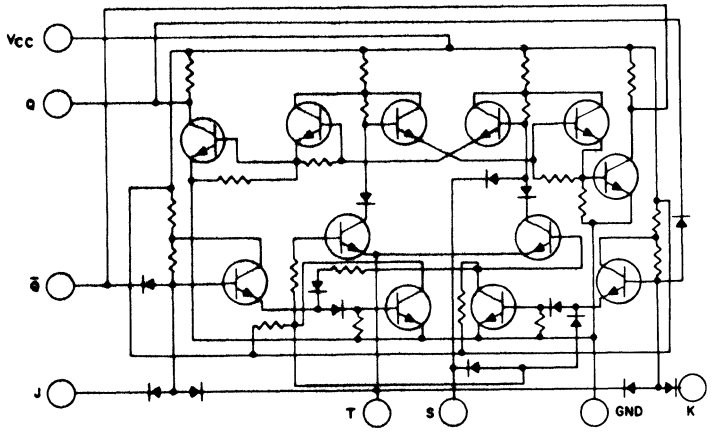


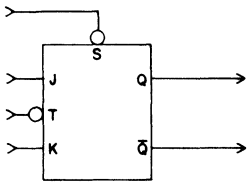
PKG.	CKT NO.	J	K	Q	Q̄	R	S	T	COM	V_{CC}
B02-108 FP	1	1	3	14	12	13		2	11	4
	2	7	5	8	10	9		6		
B02-108 MP	1	3	1	5	6	4		2	7	14
	2	12	11	10	8	9		13		
B02-108A FP	1	3	2	12	14	13	1	6	11	4
	2	5	7	10	8	13	9	6		
B02-108A MP	1	1	3	6	5	9	4	2	7	14
	2	13	12	8	10	9	11	2		

B02-109



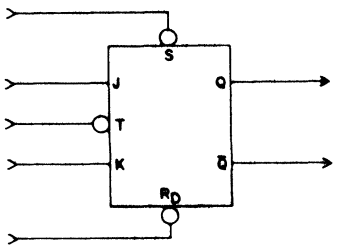
B02-110



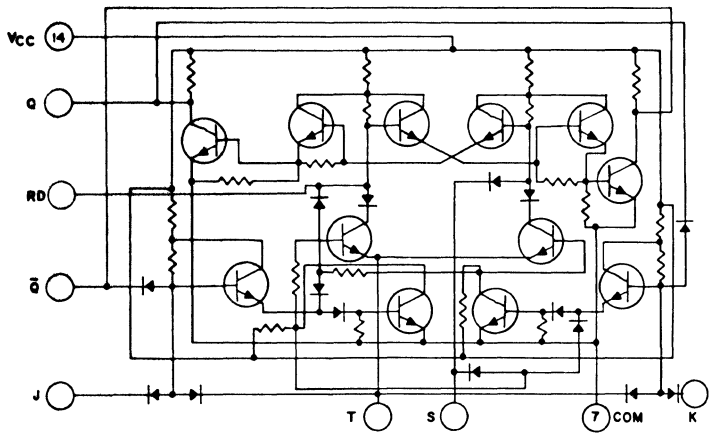


CKT. NO.	S	J	T	K	Q	Q̄
1	4	3	1	2	6	5
2	10	11	13	12	8	9

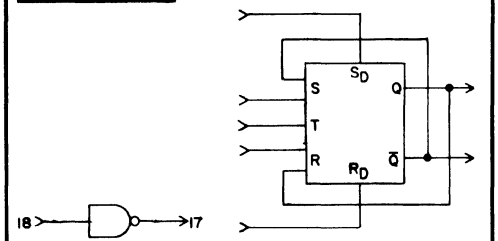
B02-111



CKT NO.	S	J	T	K	R_D	Q	Q̄
1	4	3	1	2	13	6	5
2	10	11	1	12	13	8	9

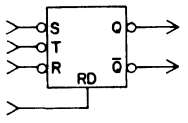


B02-112

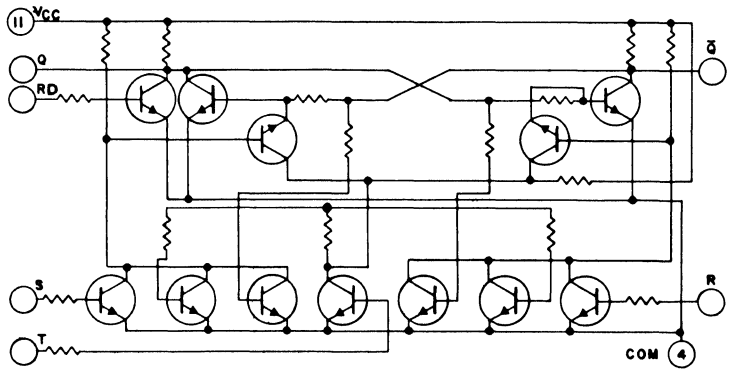


CKT. NO	S_D	S	T	R	R_D	Q	$\bar{Q}$
1	R	11	12	14	10	15	13
2	H	4	5	7	3	8	6
3	V	Y	Z	U	22	X	W
4	M	S	T	L	16	P	N
5	D	J	K	C	9	F	E

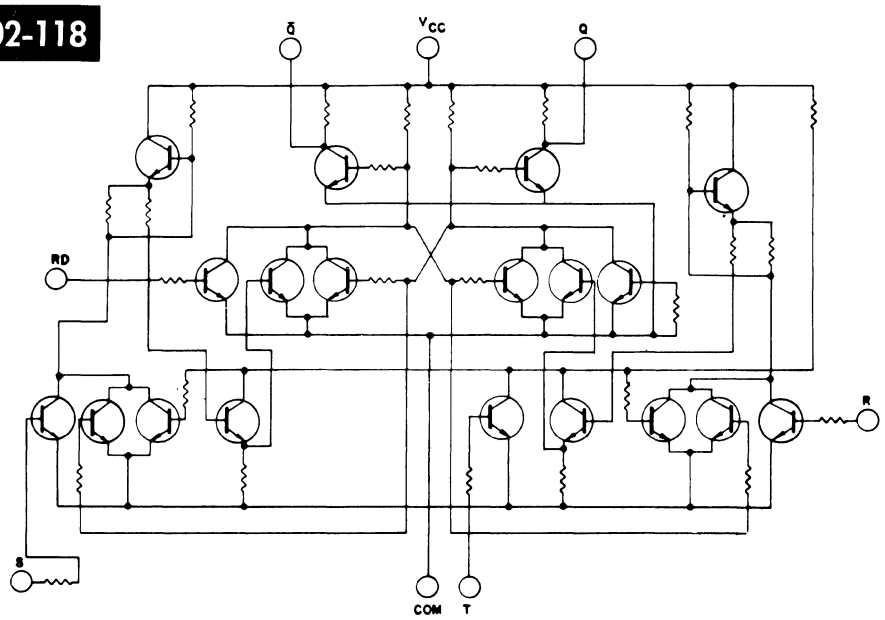
B02-113

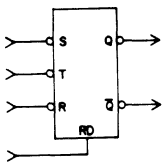


CKT.	S	T	R	R_D	Q	$\bar{Q}$
1	3	2	1	12	13	14
2	5	6	7	10	9	8



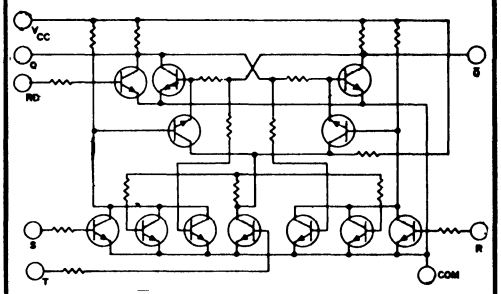
B02-118





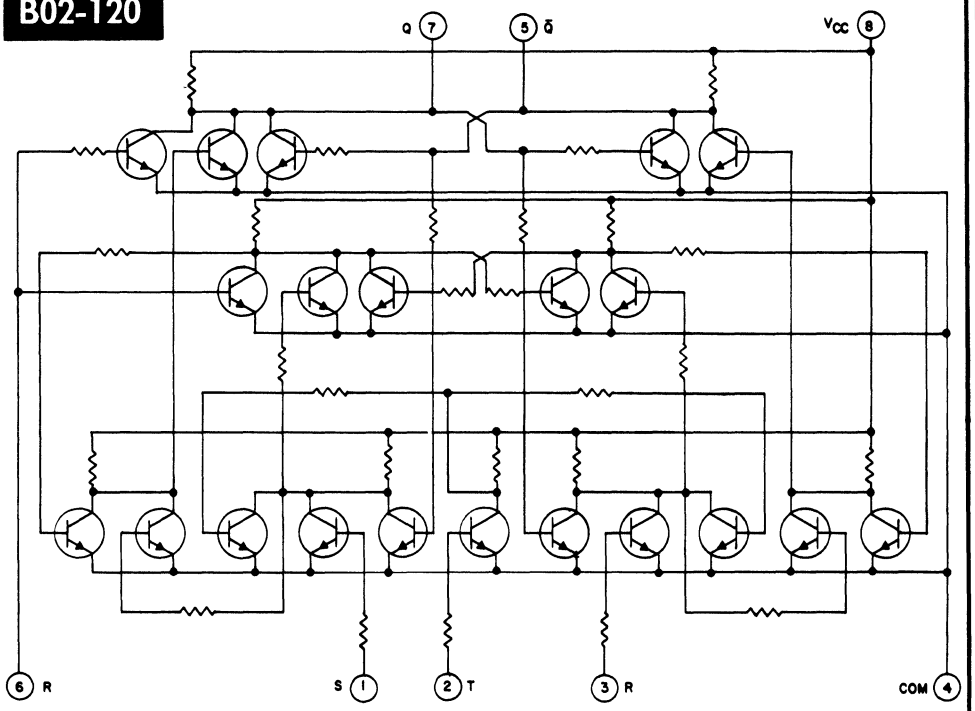
	CKT. NO.	RD	R	S	T	Q	$\bar{Q}$	COM	V_{CC}
B02-118	1	6	3	1	2	5	7	4	8
B02-118A	1	12	1	3	2	14	13	4	11
	2	10	7	5	6	8	9		
B02-118B	1	1	4	6	5	3	2	7	14
	2	13	10	8	9	11	12		

B02-119

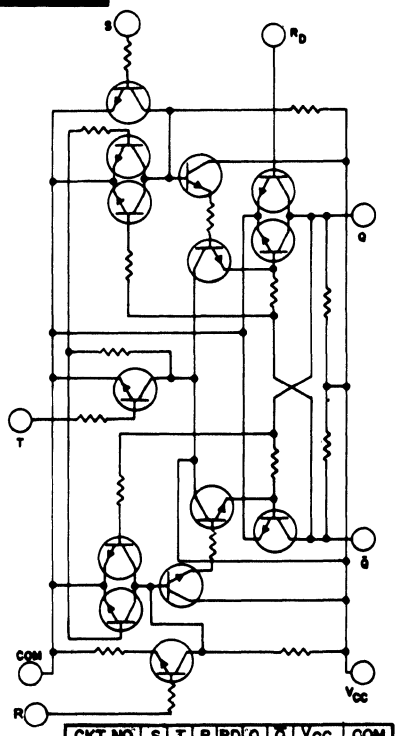


	CKT NO	RD	S	R	T	Q	$\bar{Q}$	VCC	COM
B02-119	1	1	6	4	5	2	3	14	7
	2	13	8	10	9	12	11		

B02-120



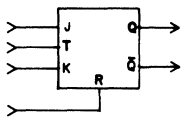
B02-121

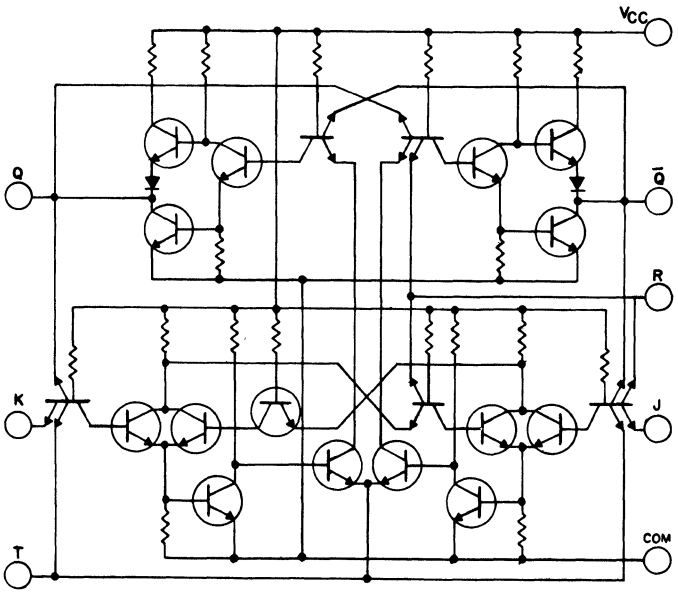


	CKT. NO.	S	T	R	RD	Q	Q̄	V_{CC}	COM
B02-121	1	6	5	4	1	2	3	14	7
	2	8	9	10	13	12	11		
B02-121A	1	3	2	1	12	13	14	11	4
	2	5	6	7	10	9	18		

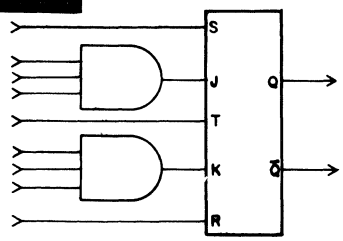
B02-130

	CKT NO	J	K	T	R	Q	Q	COM	V_{CC}
B02130	1	14	3	1	2	12	13	11	4
	2	7	10	5	6	9	8		
B02130a	1	1	4	12	13	3	2	7	14
	2	8	11	9	10	5	6		



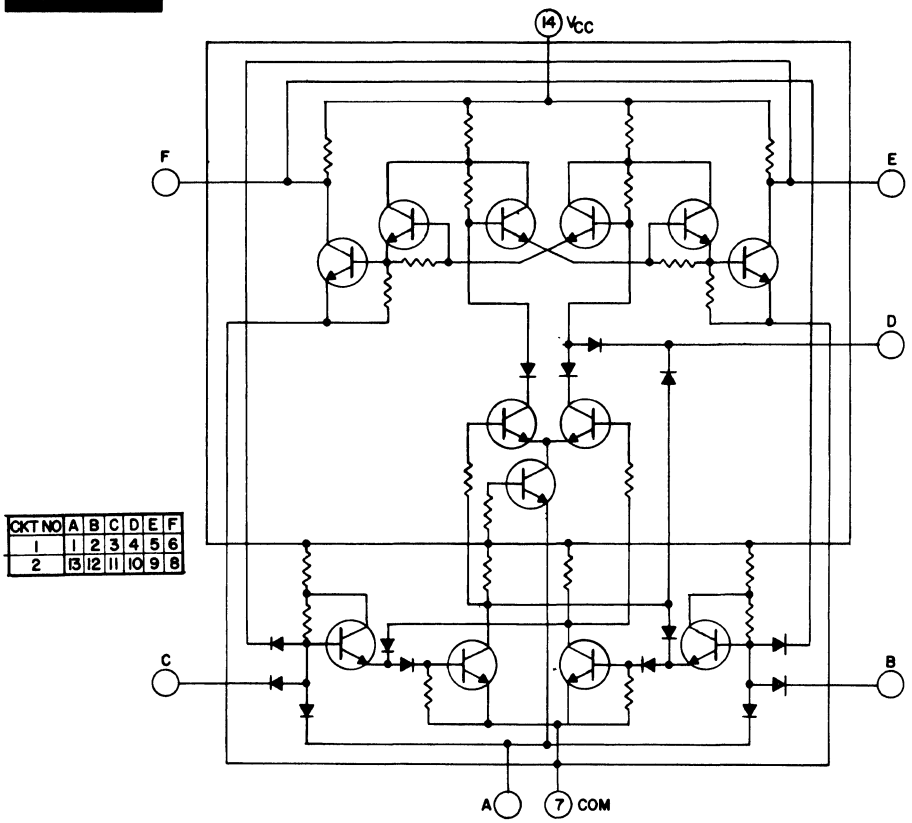


B02-134



	CKT	PKG	S	J_1	J_2	J_3	T	K_1	K_2	K_3	R	Q	Q̄
B02-134	1	FP	3	7	8	9	2	1	14	13	5	12	10
	1	MP	13	3	4	5	12	11	10	9	2	8	6

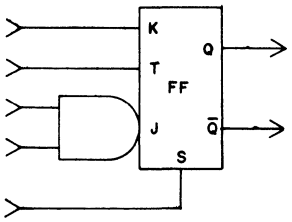
B02-137



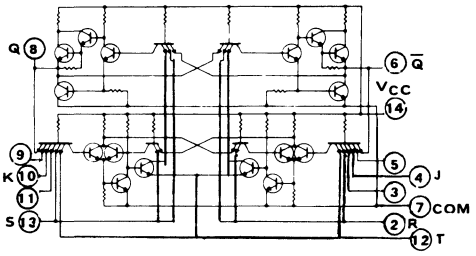
CKT NO	A	B	C	D	E	F
1	1	2	3	4	5	6
2	13	12	11	10	9	8

B02-139

CKT NO	J1	J2	T	K	S	Q̄	Q	VCC	COM
1	10		8	9	13	12	14	7	14
2	3	4	6	5	13	1	2		

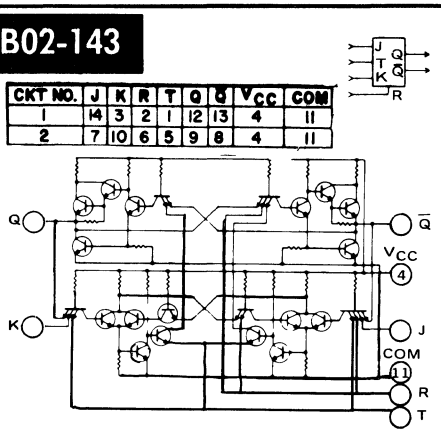


B02-142

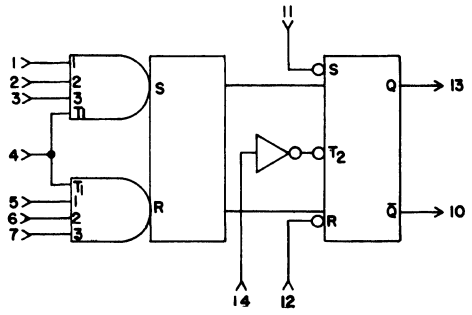


B02-143

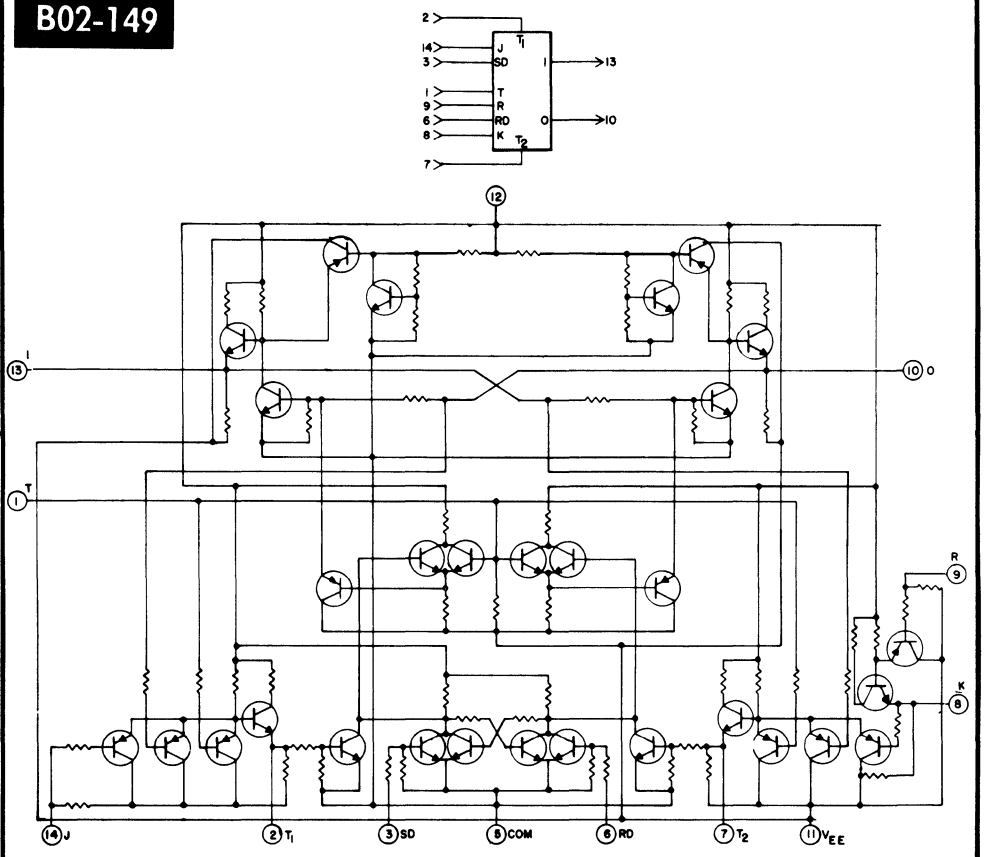
CKT NO.	J	K	R	T	Q	Q̄	VCC	COM
1	14	3	2	1	12	13	4	11
2	7	10	6	5	9	8	4	11



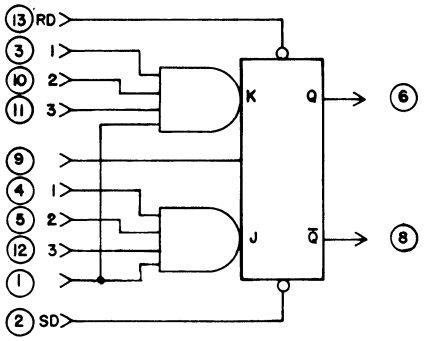
B02-148



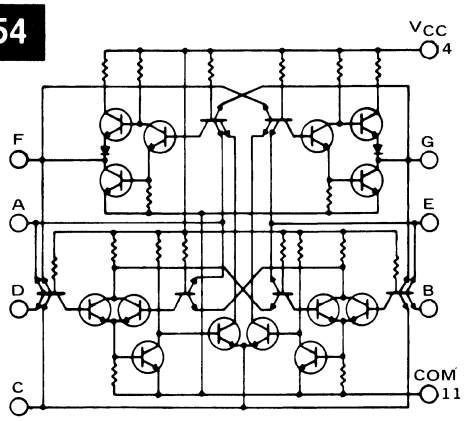
B02-149

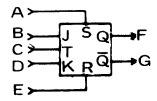


B02-151



B02-154

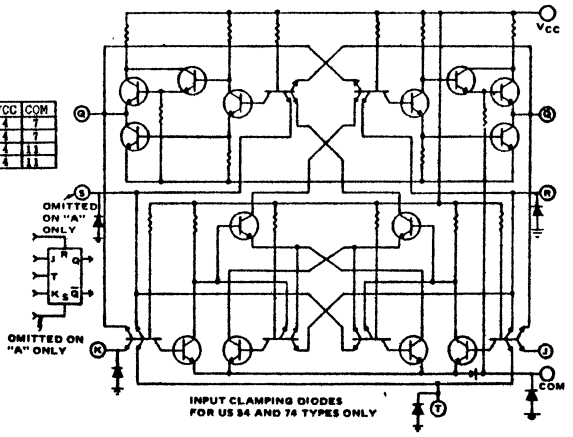




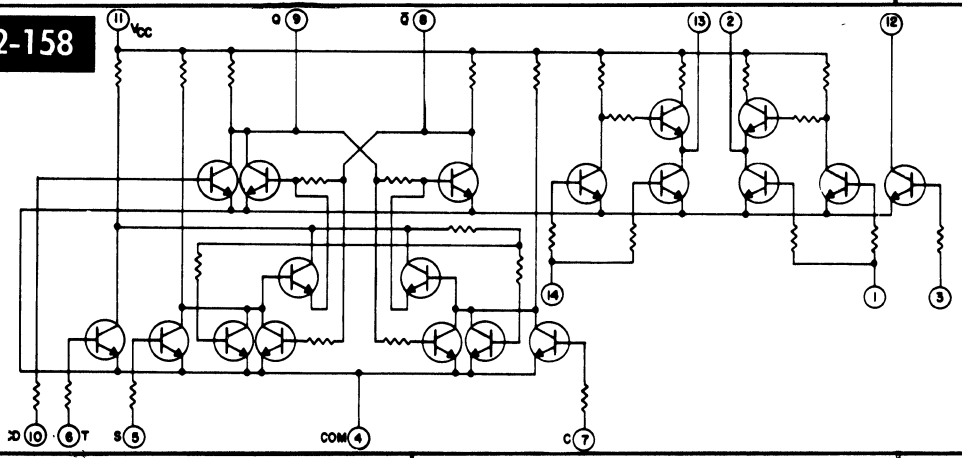
CKT NO	A	B	C	D	E	F	G
1	2	3	1	14	5	13	12
2	6	10	1	7	5	8	9

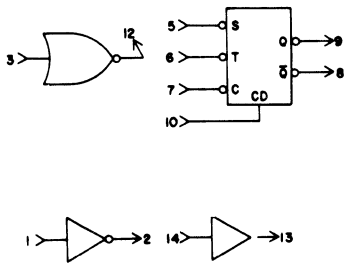
B02-155

	PACKAGE	CKT. NO.	J	K	R	S	T	Q	$\bar{Q}$	VCC	COM
B02-155	FP	1	4	1	12	13	9	2	3	14	7
	MP	2	11	8	13	10	9	6	5	14	7
B02-155a	FP	1	14	3	2	NC	1	12	13	4	11
	MP	2	7	10	6	NC	5	9	8	4	11

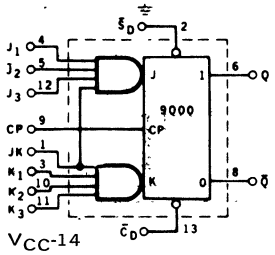


B02-158





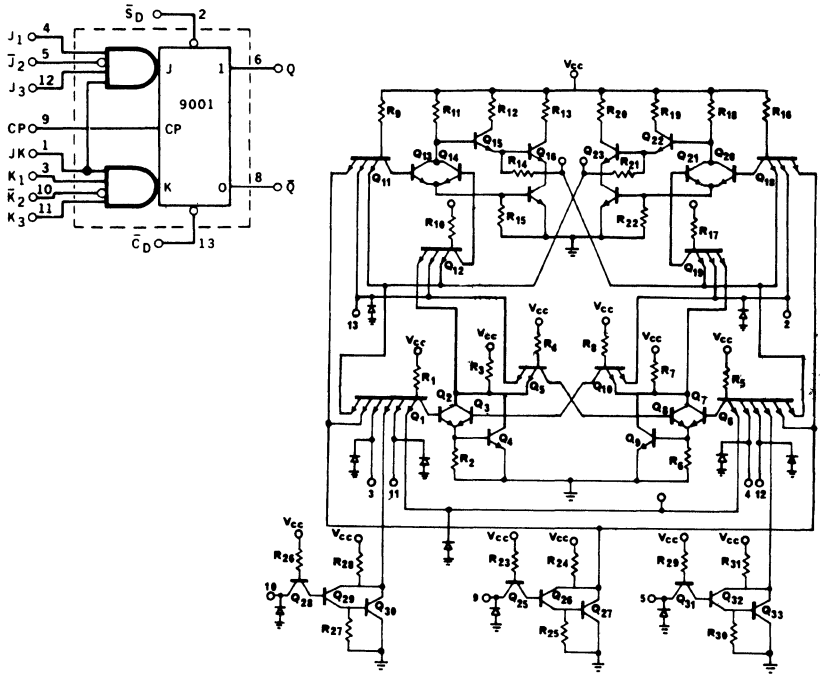
B02-167



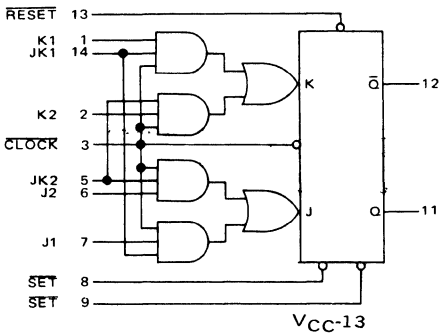
V_{CC}-14

GND-7

B02-168



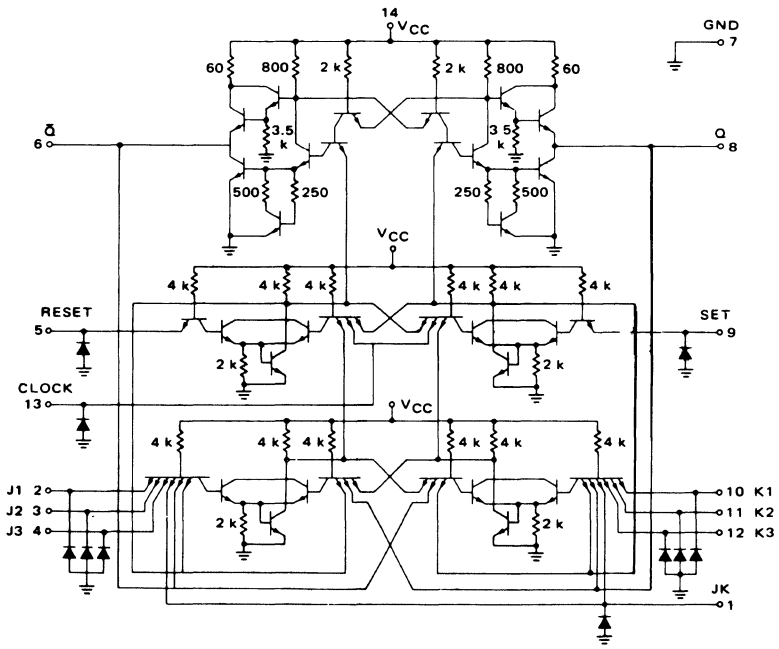
B02-169



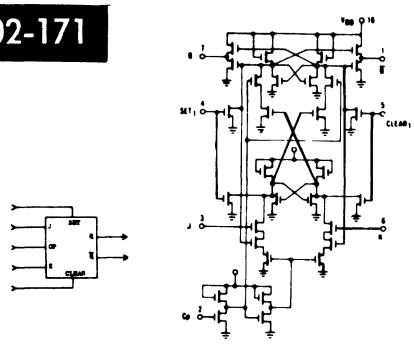
V_{CC}-13

GND-10

B02-170

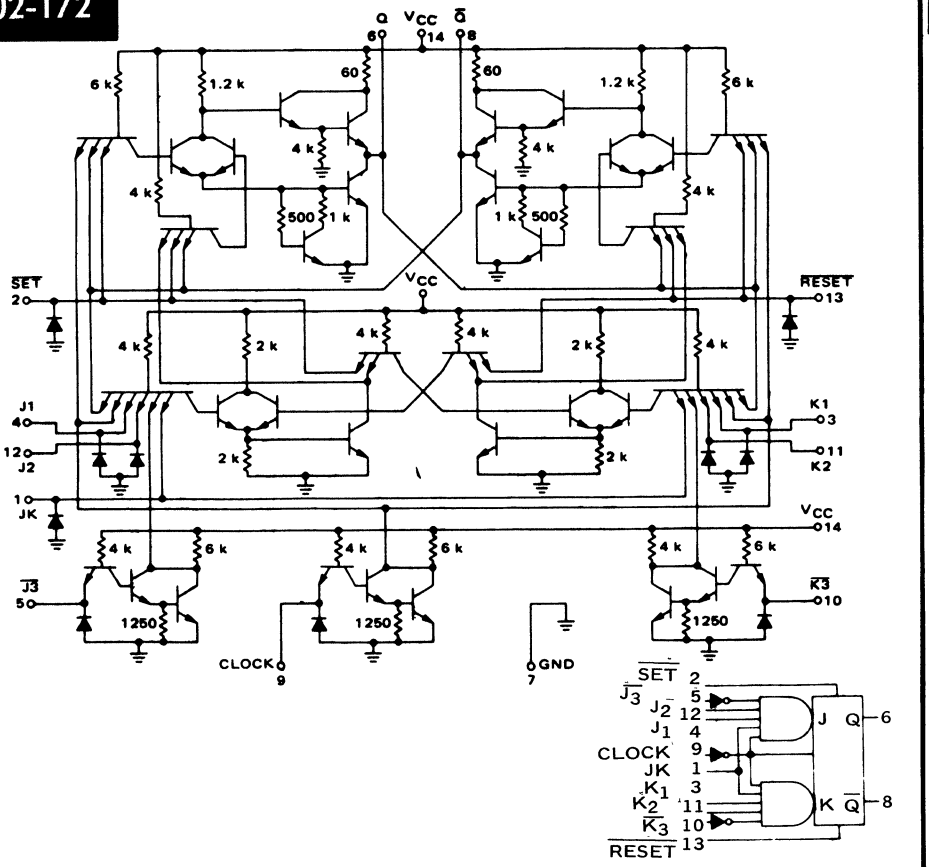


B02-171

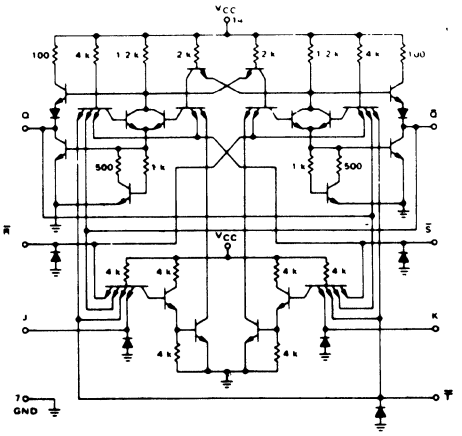


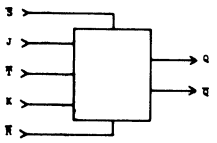
CKT	SET	J	CP	K	CLEAR	Q	$\bar{Q}$	VCC	GND
1	4	3	2	6	5	7	1	16	8
2	12	13	14	10	11	9	15	16	8

B02-172



B02-173

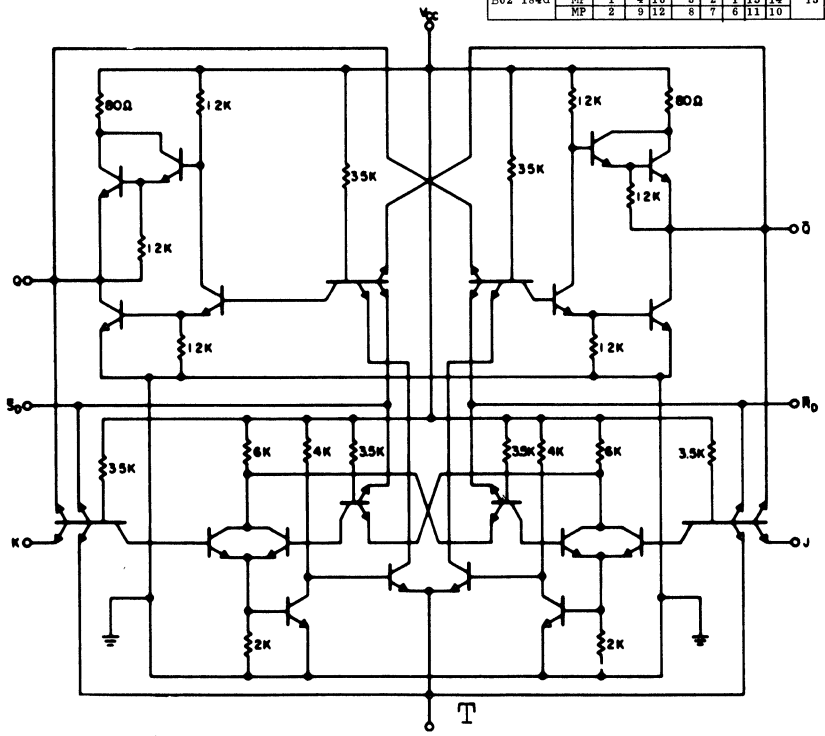




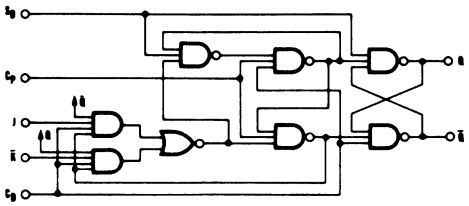
	CKT	S̄	J	T̄	K	R̄	Q	Q̄
B02-173	1	4	3	13	2	1	5	6
	2	10	11	13	12	1	9	8
B02-173a	1	4	3	1	2		5	6
	2	10	11	13	12		9	8

B02-184

	PKG.	CKT	J	K	R̄D	S̄D	T	Q	Q̄	COM	VCC
B02-184	FP	1	3	14	2	1	5	13	12	11	4
		2	10	7	2	6	5	8	9		
	FP	1	14	3	2		1	12	13	11	4
		2	7	10	6		5	9	8		
B02-184a	MP	1	3	6	2		1	5	4	7	14
		2	10	13	12		11	8	9		
B02-184b	MP	1	4	7	3	2	1	6	5	8	16
		2	15	11	14	13	12	10	9		
B02-184c	MP	1	14	3	2		1	12	13	11	4
	MP	2	7	10	6		5	9	8		
B02-184d	MP	1	4	16	3	2	1	15	14	13	5
	MP	2	9	12	8	7	6	11	10		

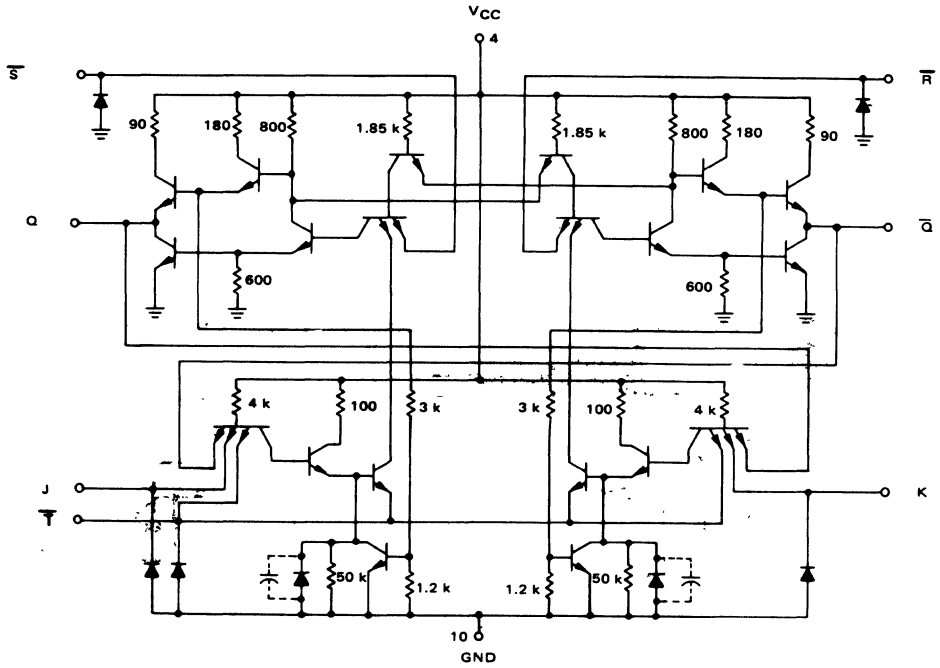


B02-185

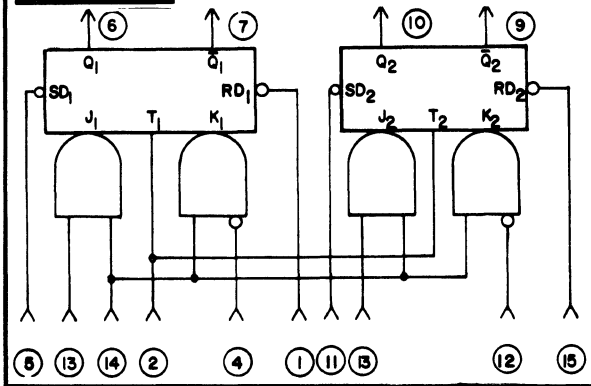


B02-186

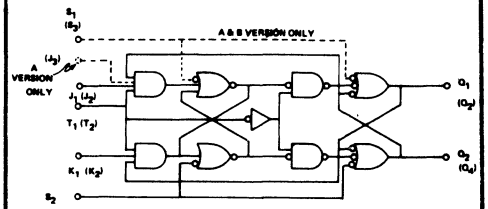
	CKT	$\overline{S}$	$\overline{R}$	$\overline{T}$	J	K	Q	$\overline{Q}$
B02186	1	14	NC	3	2	1	13	12
	2	8	NC	5	6	7	9	11
B02186a	1	14	5	3	2	1	13	12
	2	8	5	3	6	7	9	11



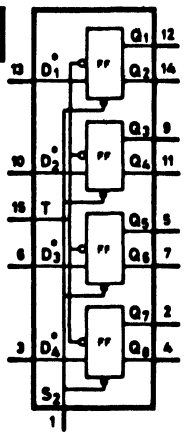
B02-187



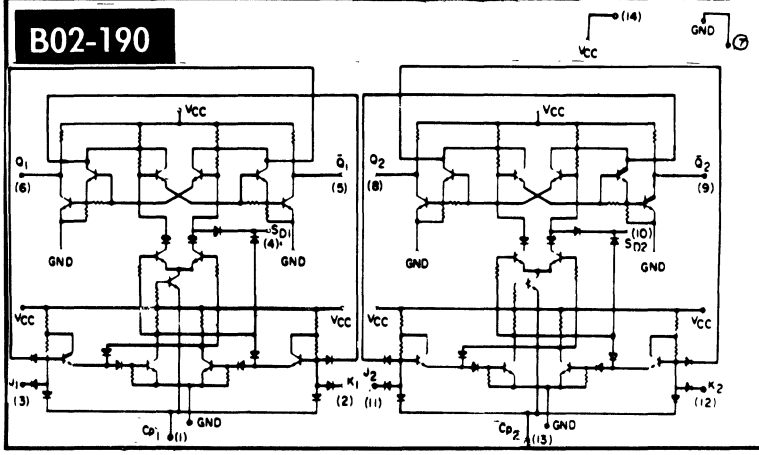
B02-188



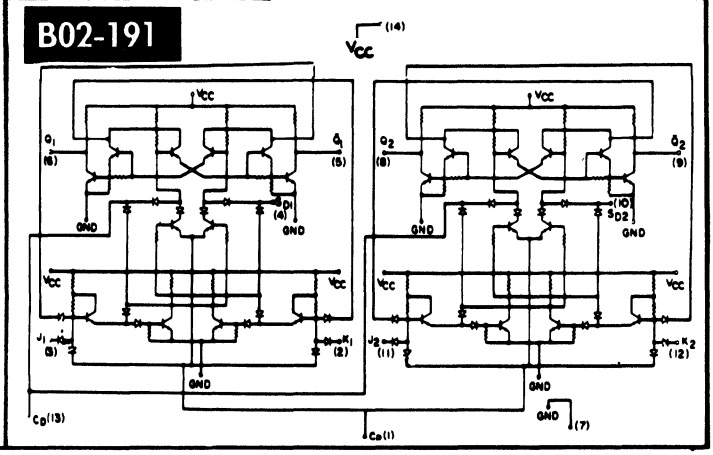
B02-189



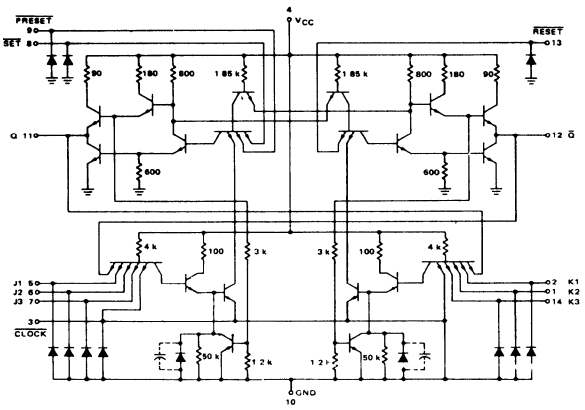
B02-190



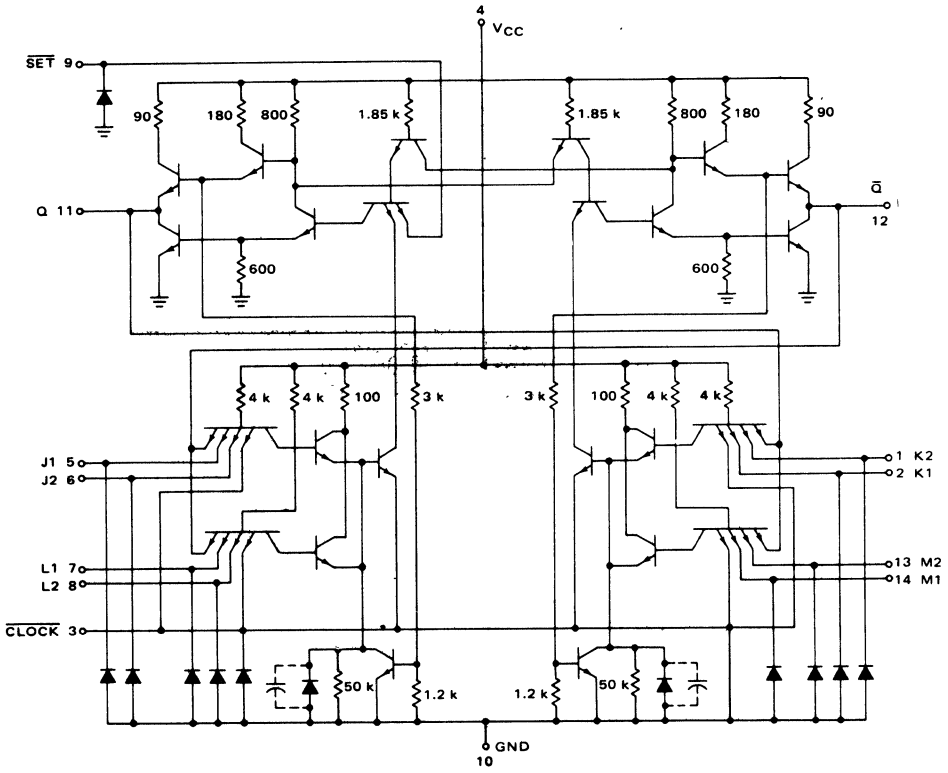
B02-191



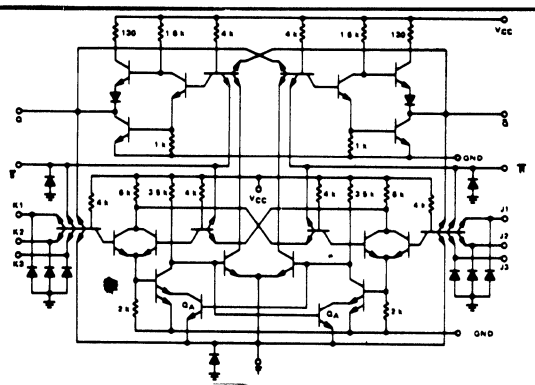
B02-193



B02-194

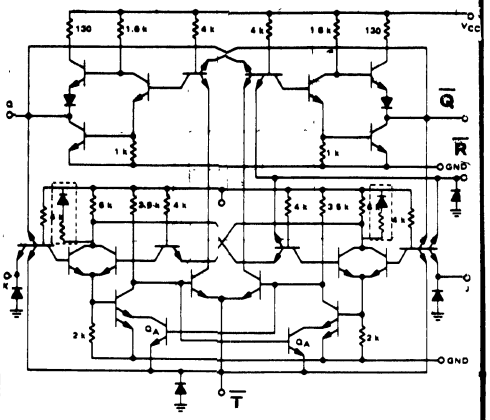


B02-195



	J_1	J_2	J_3	K_1	K_2	K_3	$\overline{S}$	$\overline{R}$	T	Q	$\overline{Q}$	VCC	GND
B02195	7	8	9	14	1	13	3	5	3	12	10	4	11
B02195A	3	4	5	9	10	11	13	2	13	8	6	14	7

B02-196

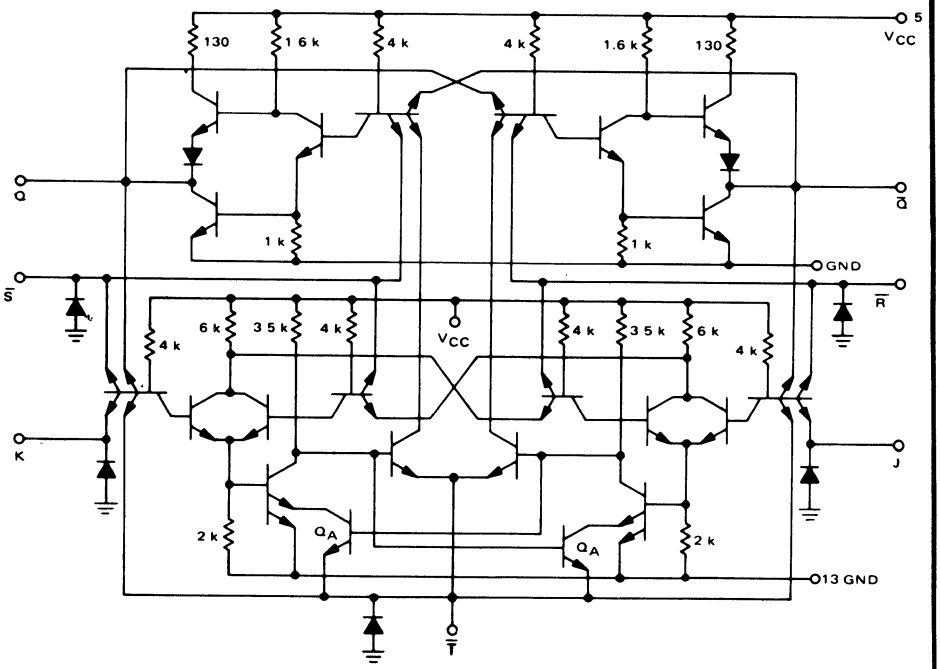


B02-196b
Dotted in portion only.

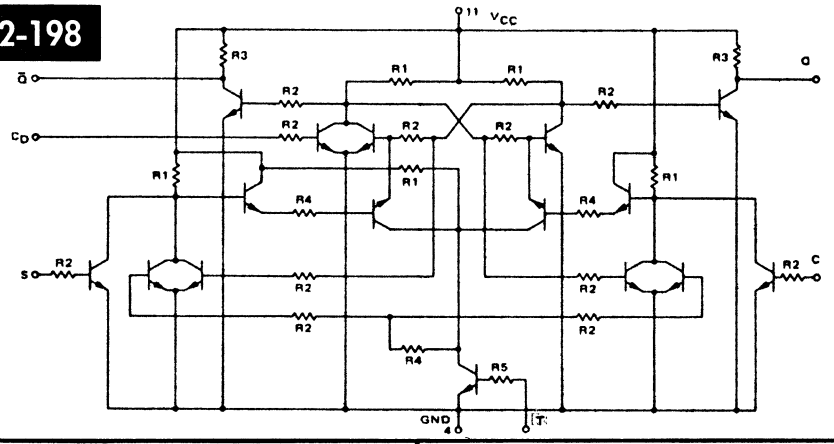
	PKG	CKT	J	$\overline{T}$	K	$\overline{R}$	Q	$\overline{Q}$	VCC	GND
B02-196, b		1	14	1	3	2	12	13	4	11
		2	7	5	10	6	9	8		
B02-196a		1	8	9	11	10	5	6	4	11
		2	1	12	4	13	3	2		
B02-196c	FC	1	19	1	3	2	17	18	4	16
		2	7	5	15	6	14	13		
	FP	1	14	1	3	2	12	13	4	11
		2	7	5	10	6	9	8		

B02-197

CKT	$\overline{S}$	J	$\overline{T}$	K	$\overline{R}$	Q	$\overline{Q}$
1	2	4	1	16	3	15	14
2	7	9	6	12	8	11	10

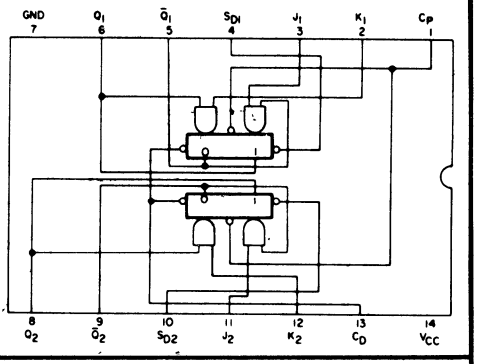


B02-198



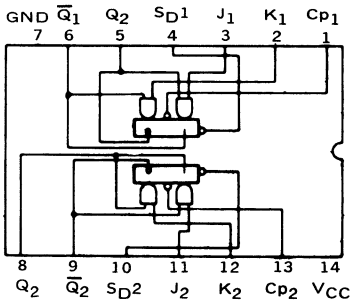
B02-200

NOTES:
OUTPUT PULL UP RESISTORS
6kΩ for B02-200
2kΩ for B02-200a

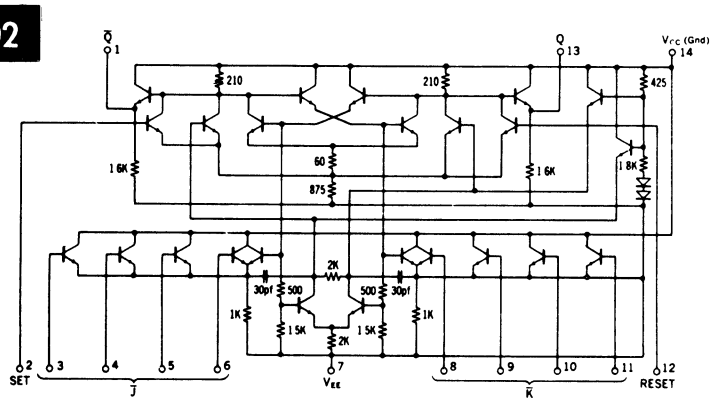


B02-201

NOTES:
OUTPUT PULL UP RESISTORS
6kΩ for B02-201
2kΩ for B02-201a

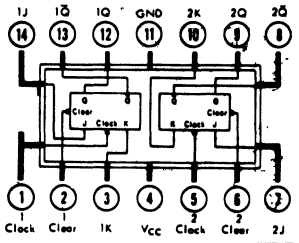


B02-202

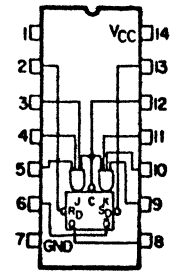


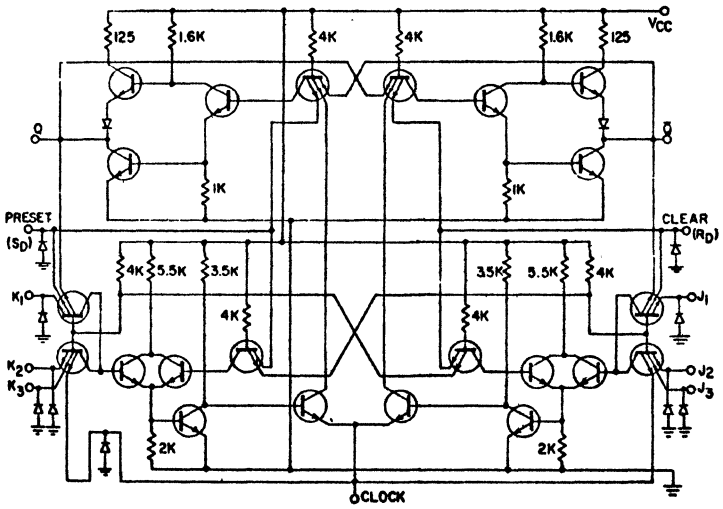
B02-203

	CKT	1J	$\overline{Q}$	Q	GND	K	CLOCK	CLEAR	VCC
B02-203	1	14	13	12	11	3	1	2	4
	2	7	8	9	11	10	5	6	4
B02-203a	1	1	2	3	7	4	12	13	14
	2	8	6	5	7	11	9	10	14



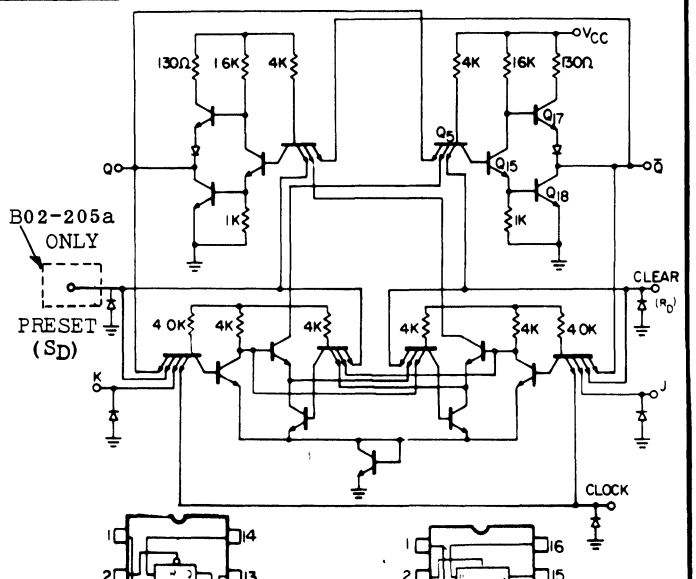
B02-204

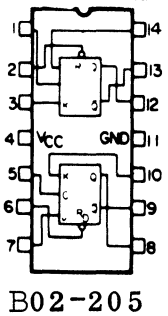




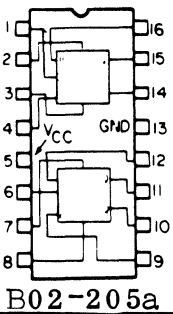
B02-205

HALF OF CIRCUIT SHOWN



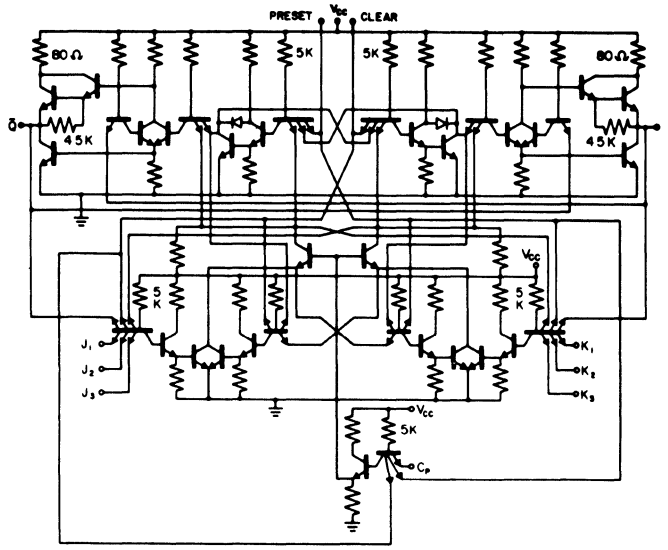


B02-205



B02-205a

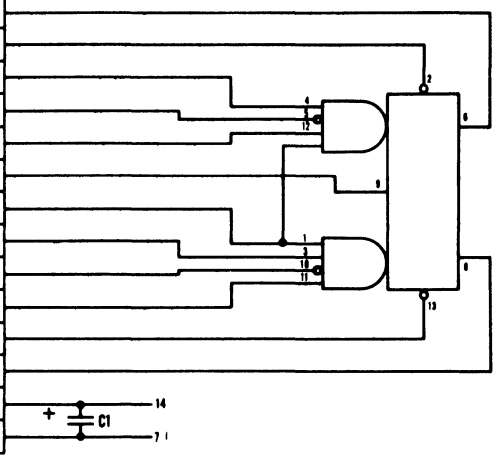
B02-208



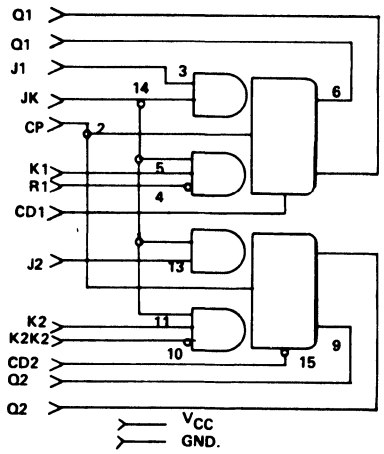
	PKG	CKT	CLEAR	J1	J2	J3	$\overline{Q}$	Q	K1	K2	K3	C	PRESET	VCC	GND
B02-208	FP	1	5	7	8	9	10	12	1	14	13	3	3	14	7
	M	1	2	3	4	5	6	8	11	10	9	12	13		

B02-209

FUNCTION	CONNECTOR PINS			
	IC1	IC2	IC3	IC4
Q	50	38	26	14
SD	46	34	22	10
J1	48	36	24	12
$\overline{J}$	47	35	23	11
J2	40	28	16	4
CP	39	27	15	8
JK	44	32	20	3
K1	49	37	25	13
$\overline{K}$	42	30	18	6
K2	41	29	17	5
CD	45	33	21	9
$\overline{Q}$	43	31	19	7
V_{CC}	51			
GRD	1		52	

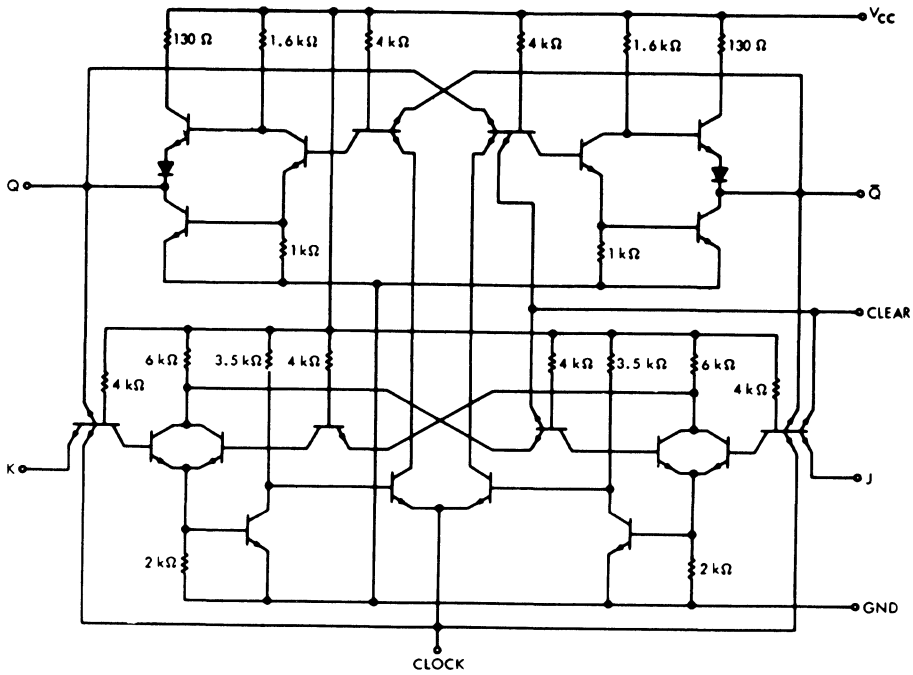


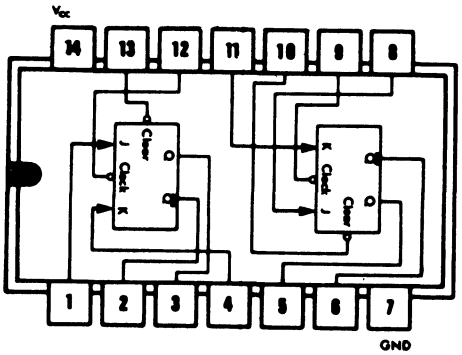
B02-210



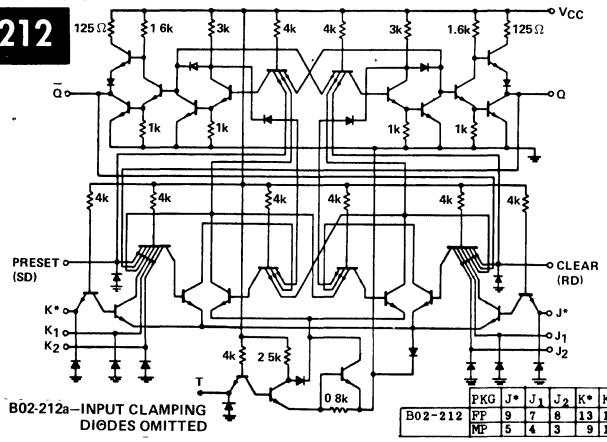
	CKT	Q1	Q1	J1	JK	CP	K1	K1	CD1	J2	K2	K2	CD2	$\overline{Q2}$	Q2	GND
B02-210	1	46	45	50	41	47	43	48	49	38	44	39	37	40	42	1,52
	2	28	27	32	23	29	25	30	31	20	26	21	19	22	24	
	3	12	11	16	7	13	9	14	15	4	10	5	3	6	8	

B02-211





B02-212

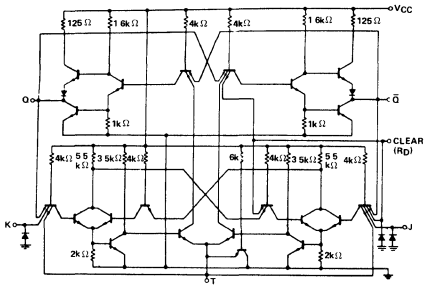


B02-212a—INPUT CLAMPING DIODES OMITTED

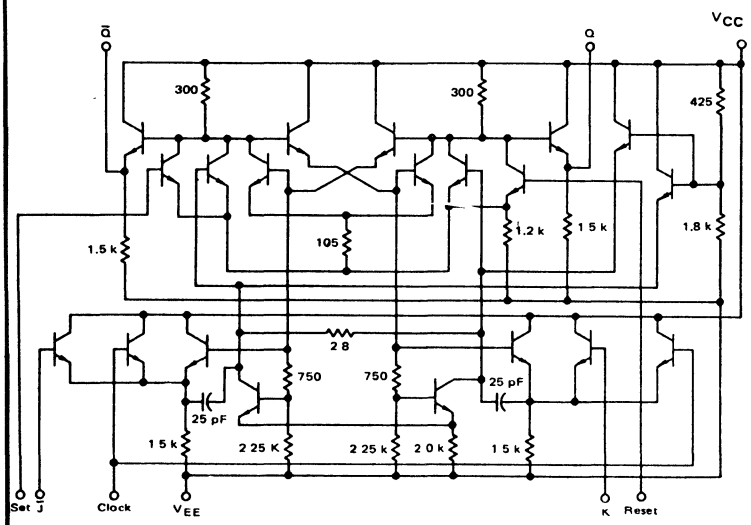
	PKG	J*	J_1	J_2	K*	K_1	K_2	T	R_D	S_D	Q	$\bar{Q}$	VCC	COM
B02-212	FP	9	7	8	13	14	1	2	5	3	12	10	4	11
	MP	5	4	3	9	11	10	12	2	13	8	6	14	7

B02-213

	CKT	J	K	T	RD	Q	$\bar{Q}$	VCC	COM
B02-213	1	14	3	1	2	12	13	4	11
	2	7	10	5	6	9	8		
B02-213a	1	1	4	12	13	3	2	14	7
	2	8	11	9	10	5	6		

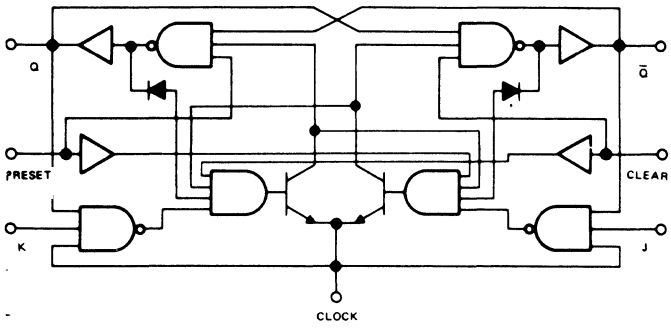


B02-214

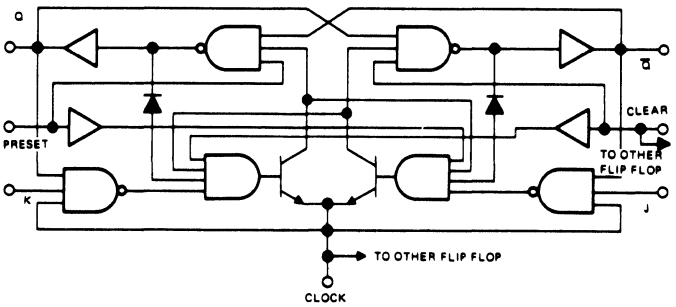


	CKT	S	$\bar{J}$	C	$\bar{K}$	R	$\bar{Q}$	Q	VEE	VCC
B02-214	1	6	5	4	3	2	7	1	8	16
	2	10	11	12	13	14	9	15		

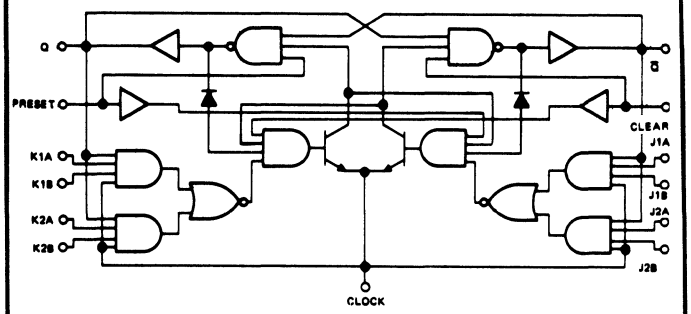
B02-217



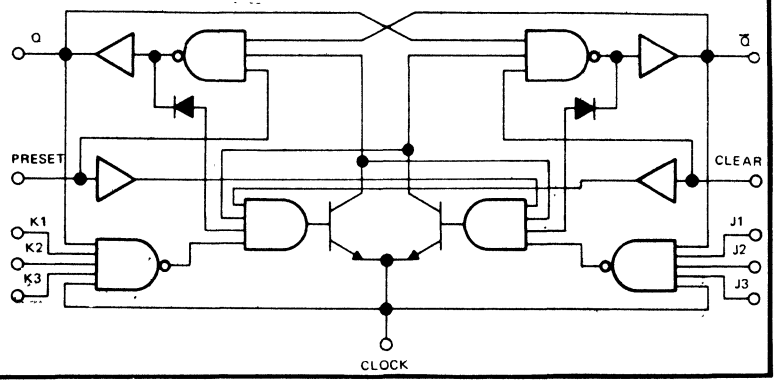
B02-218



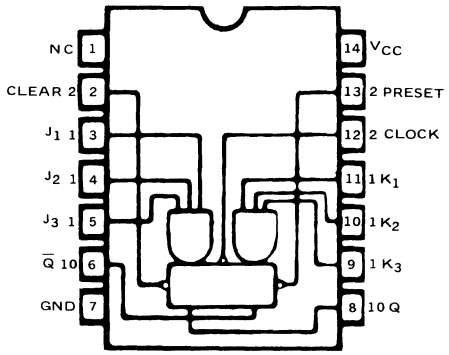
B02-219



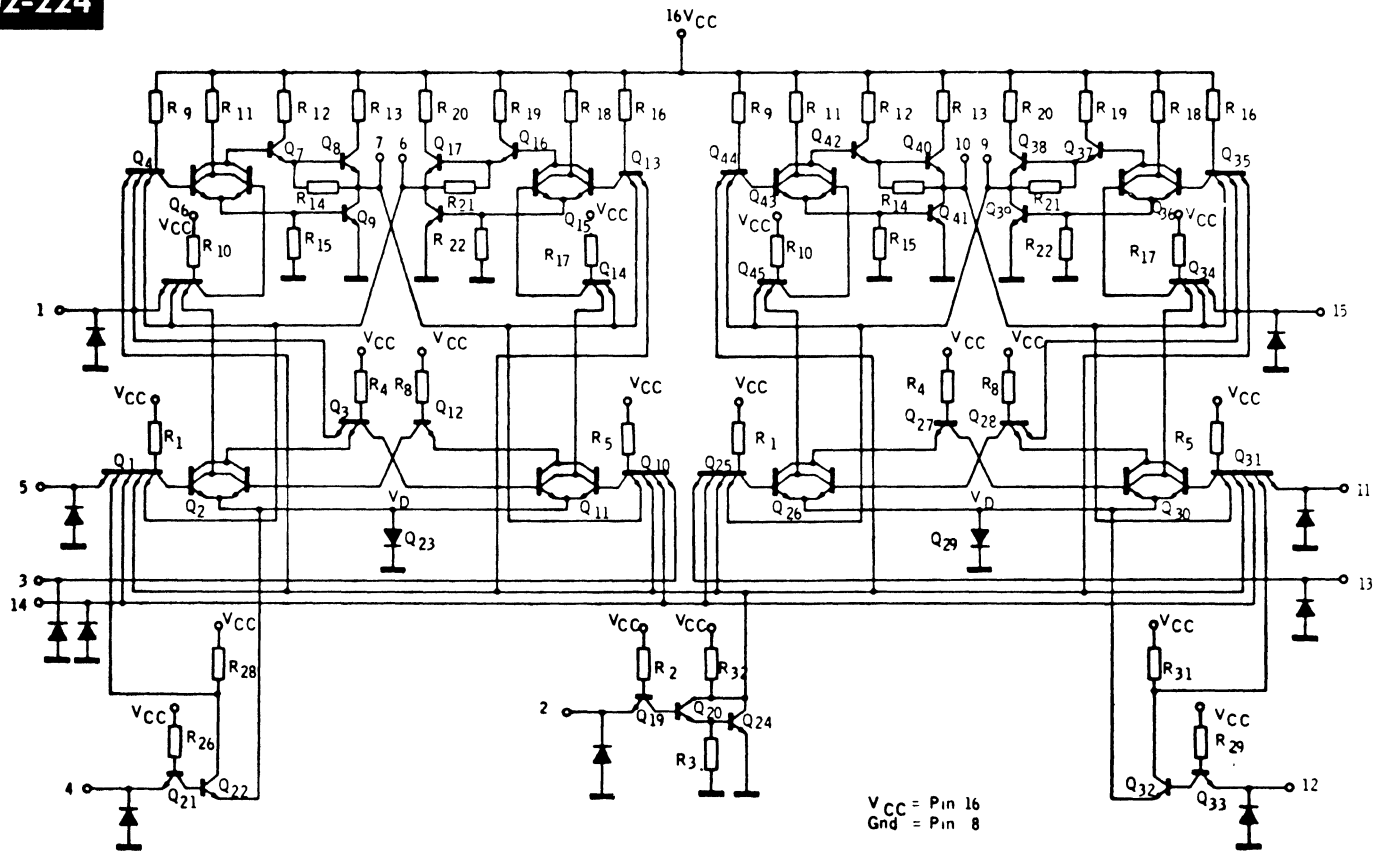
B02-220



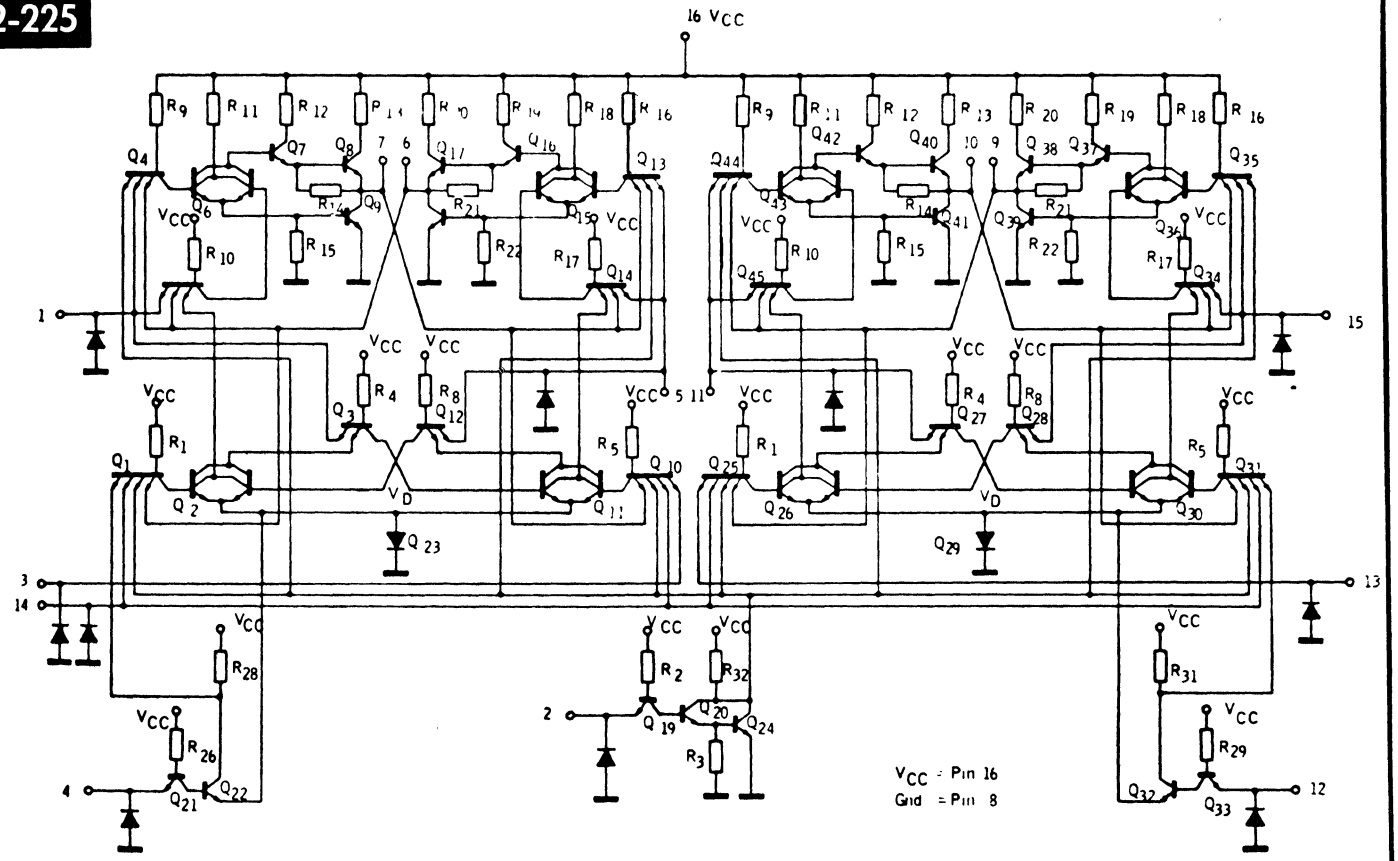
B02-221



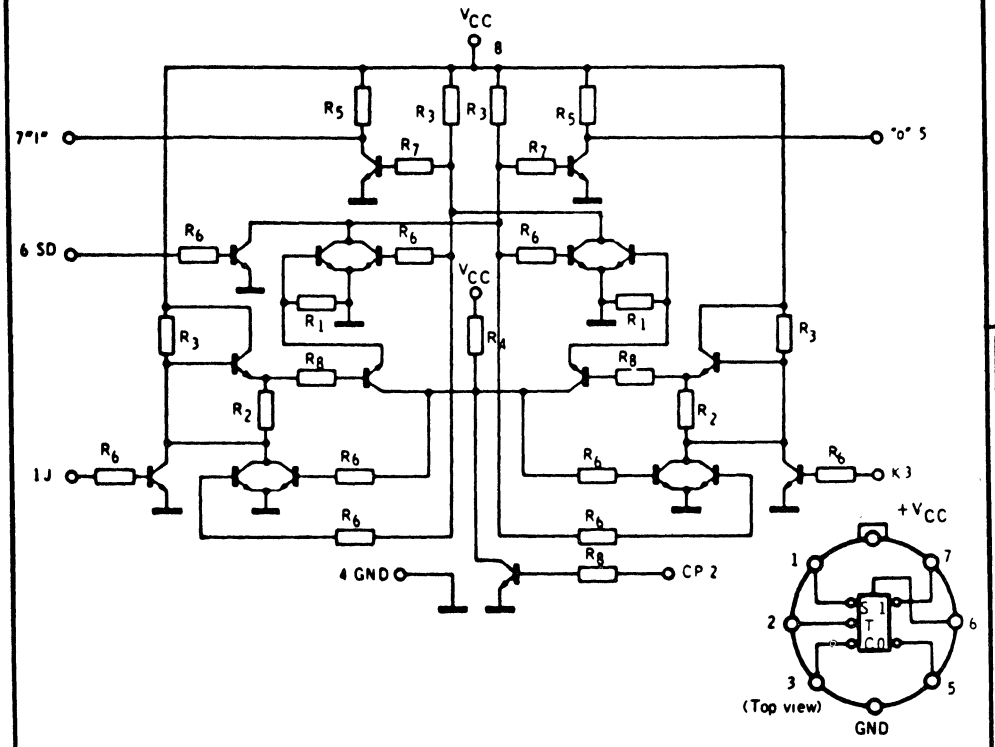
B02-224



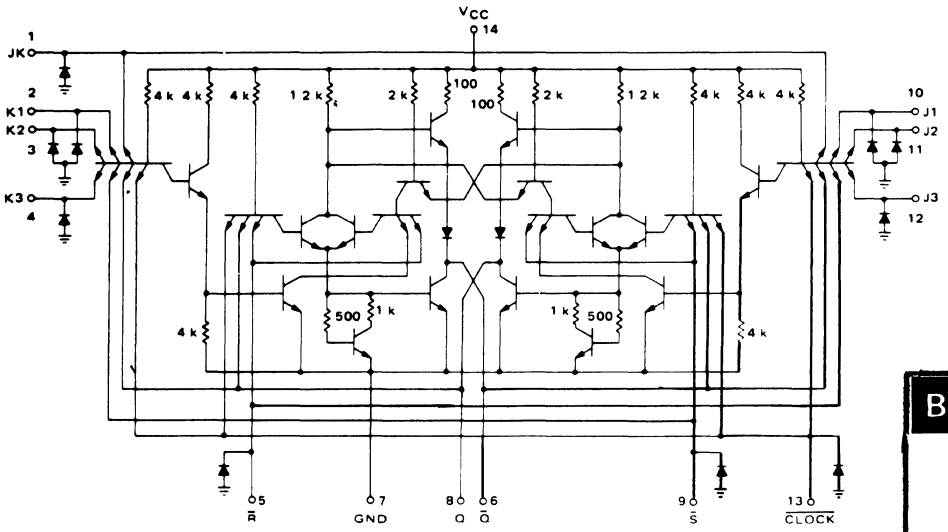
B02-225



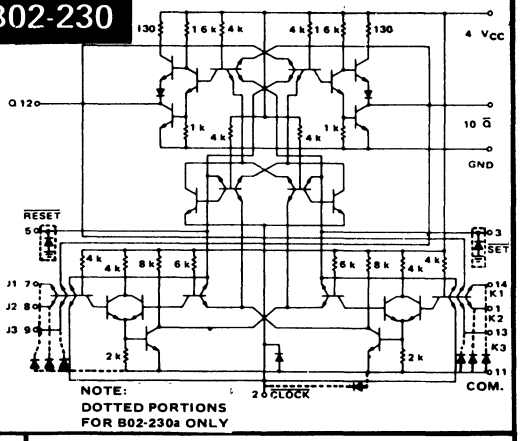
B02-226



B02-227

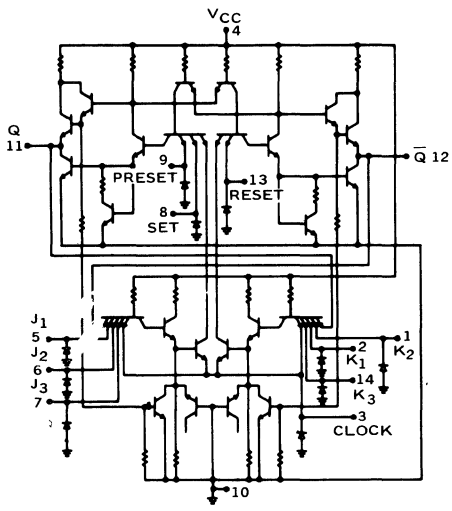


B02-230

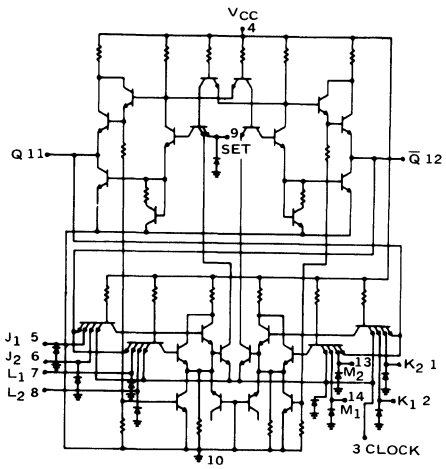


NOTE:
DOTTED PORTIONS
FOR B02-230a ONLY

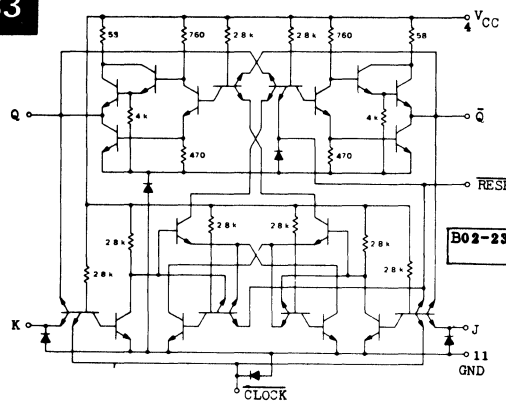
B02-231



B02-232

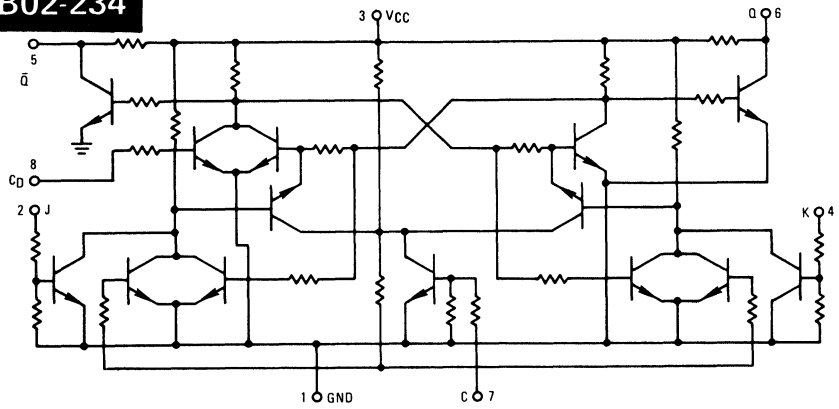


B02-233

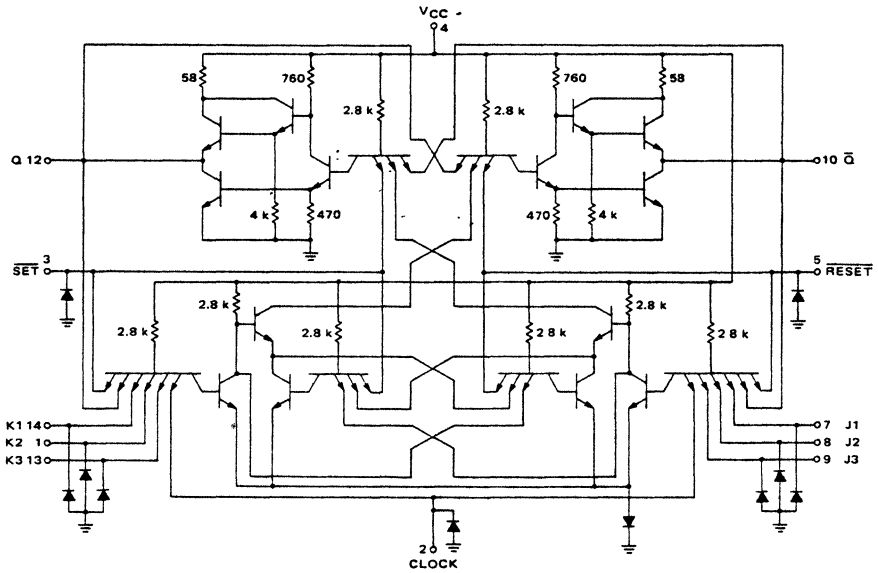


B02-233	CKT	J	K	R	C	Q	$\bar{Q}$
	1	14	3	2	1	12	13
	2	7	10	6	5	9	8

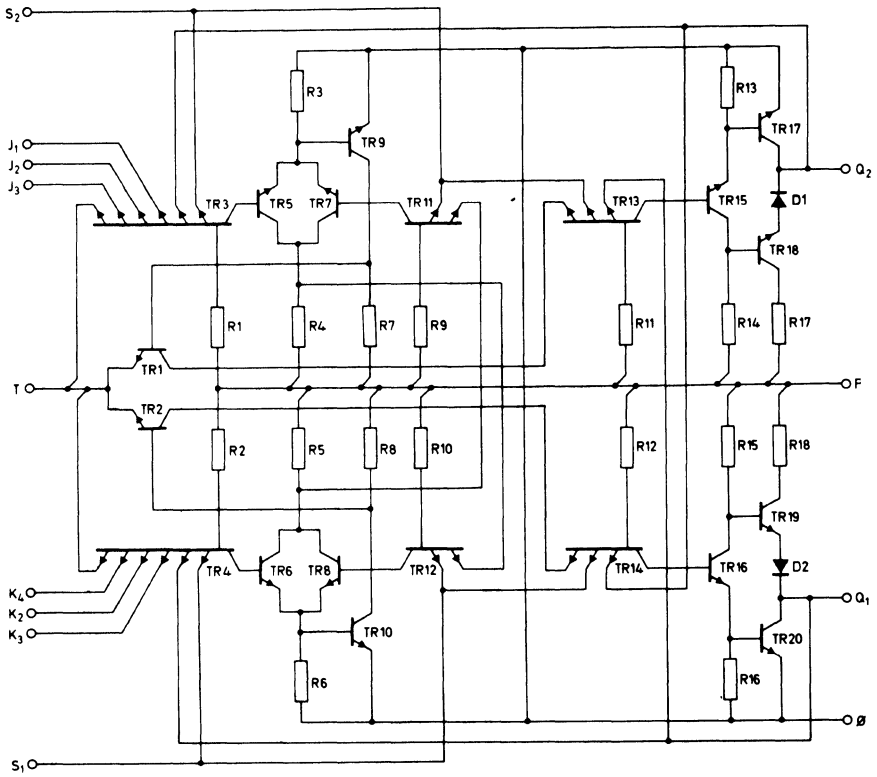
B02-234



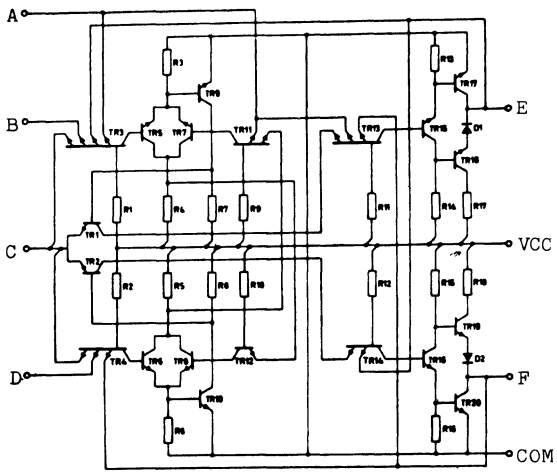
B02-235



B02-237

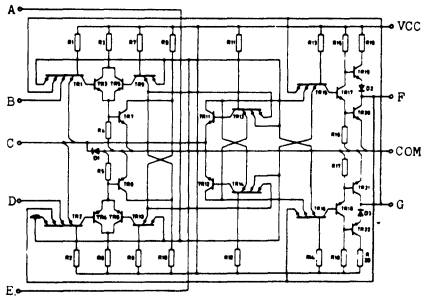


B02-238



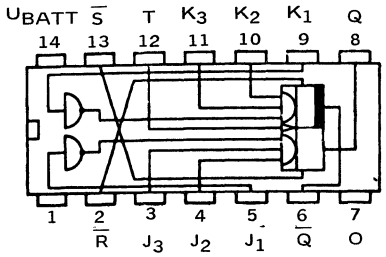
	CKT	A	B	C	D	E	F	VCC	COM
B02-238	1	2	14	1	3	13	12	4	11
	2	6	7	5	10	8	9		
B02-238a	1	13	1	12	4	2	3	14	7
	2	10	8	9	11	6	5		

B02-239

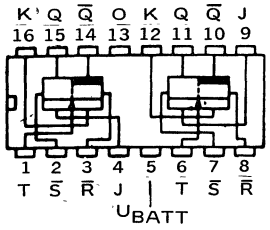


	CKT	A	B	C	D	E	F	G	VCC	COM
B02-239	1	2	4	1	16	3	15	14	5	13
	2	7	9	6	12	8	11	10		

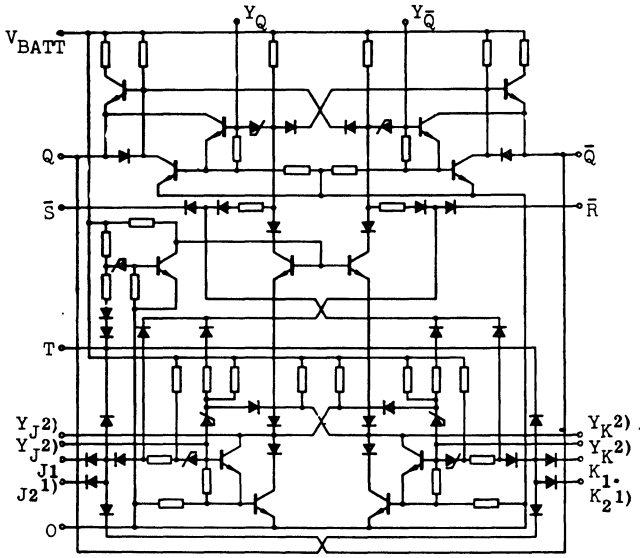
B02-240



B02-241

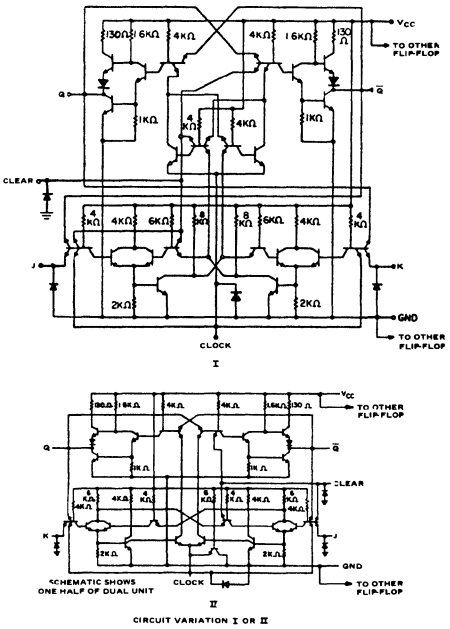


B02-242



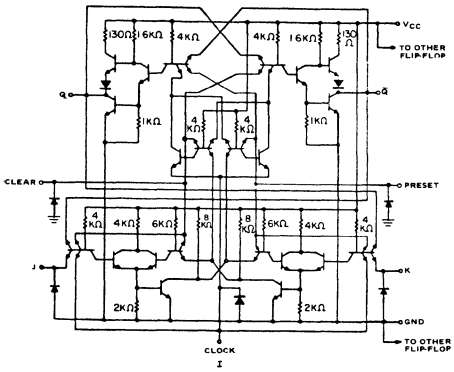
1) FOR B02-242 ONLY.
2) FOR B02-242a ONLY.

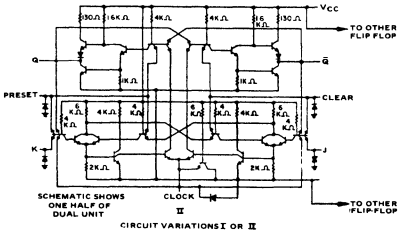
B02-243



	PKG	CKT	J	K	Q	Q̄	CLEAR	CLOCK	VCC	GND
B02-243	FP, M	1	14	3	12	13	2	1	4	11
		2	7	10	9	8	6	5		
B02-243a	M	1	1	4	3	2	13	12	14	7
		2	8	11	5	6	10	9		

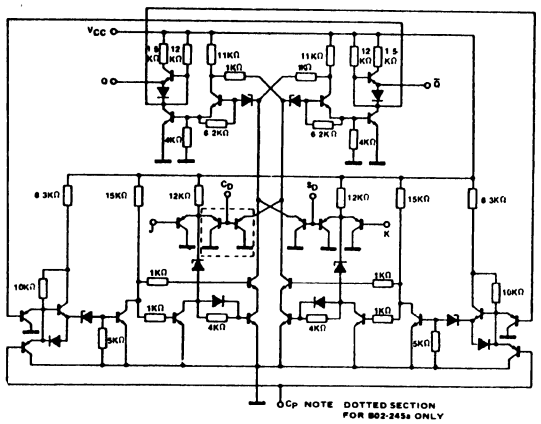
B02-244





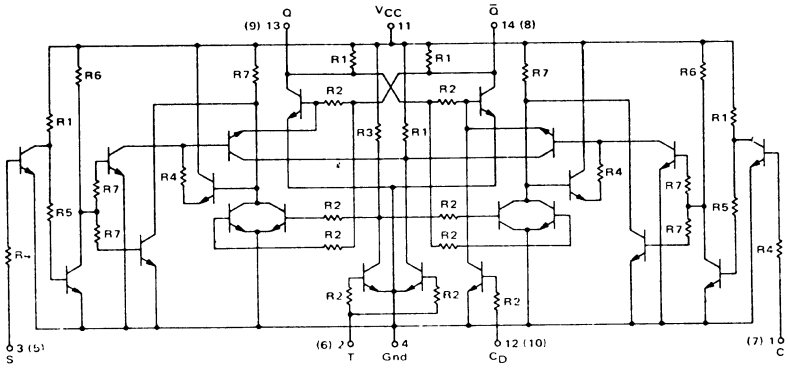
	CKT	J	K	Q	Q̄	CLEAR	CLOCK	PRESET	VCC	GND
B02-244	1	4	16	15	14	3	1	2	5	13
	2	9	12	11	10	8	6	7		

B02-245



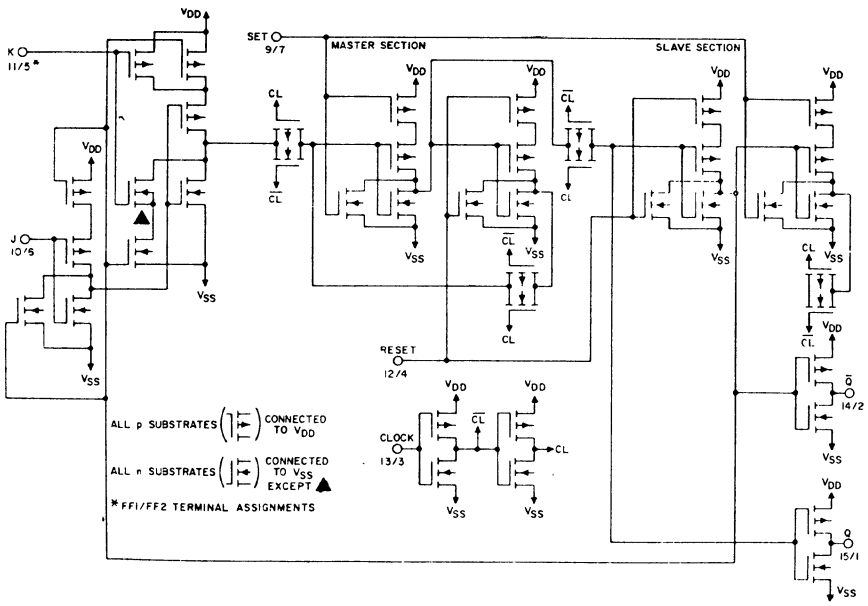
	CKT	J	K	CD	SD	CD	Q	Q̄	VCC	GND
B02-245	1	3	2		4	1	6	5	14	7
	2	11	12		10	13	8	9		
B02-245a	1	3	2	5	4	1	7	6	16	8
	2	13	14	11	12	15	9	10		

B02-246

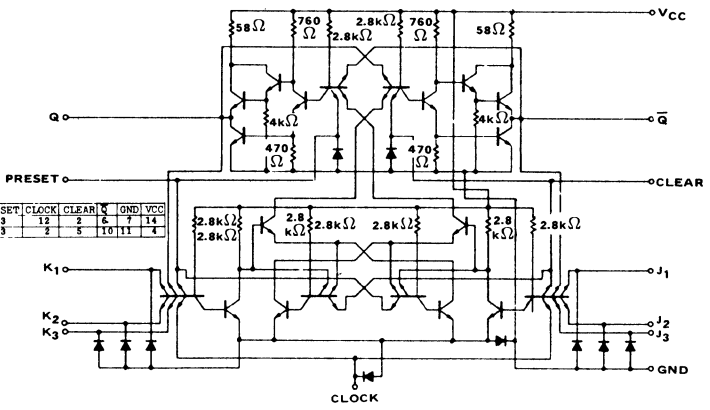


NUMBERS IN PARENTHESIS INDICATE PIN CONNECTIONS FOR SECOND CIRCUIT.

B02-247



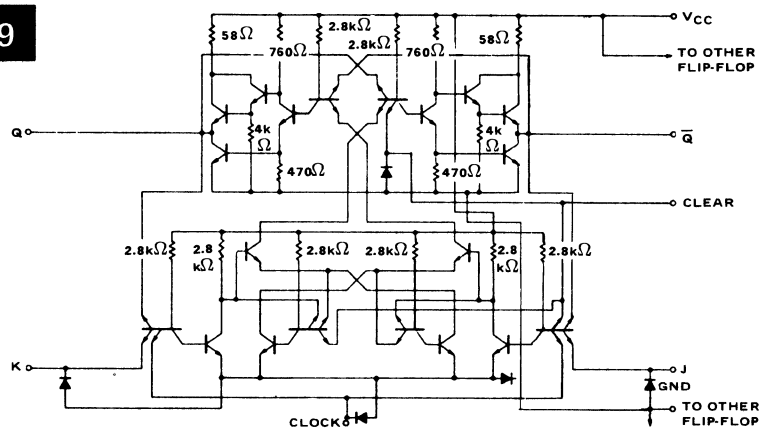
B02-248



	PKG	Q	K 1	K 2	K 3	J 1	J 2	J 3	PRESET	CLOCK	CLEAR	Q̄	GND	VCC
B02-248	M	8	9	10	11	3	4	5	13	12	2	6	7	14
	FP	12	1	13	14	7	8	9	3	2	5	10	11	4

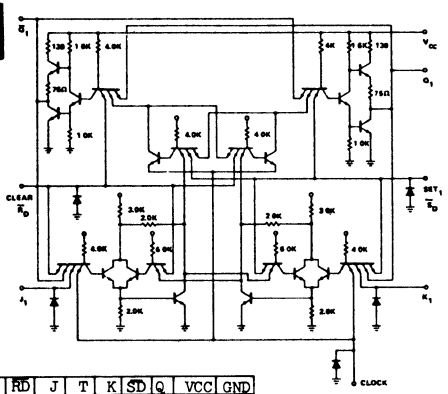
[redacted]

B02-249



[redacted]

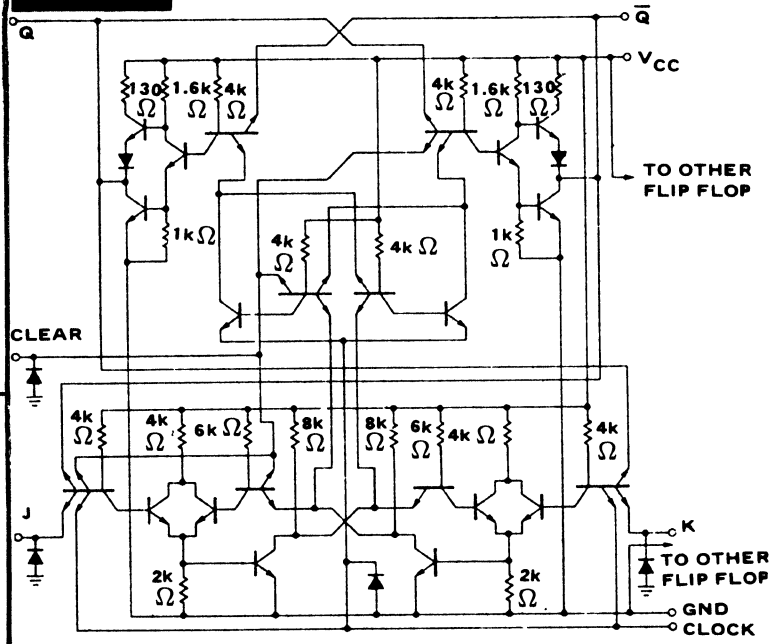
B02-250



	CKT	Q	R̄D	J	T	K	S̄D	Q	VCC	GND
B02-250	1	10	13	11	12	15	14	9	16	8
	2	5	3	4	1	7	2	6		

[redacted]

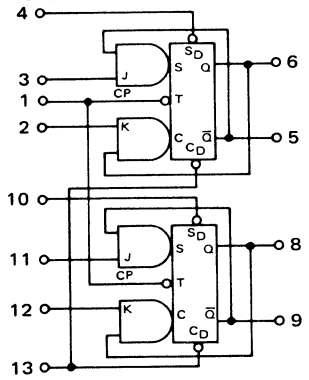
B02-251



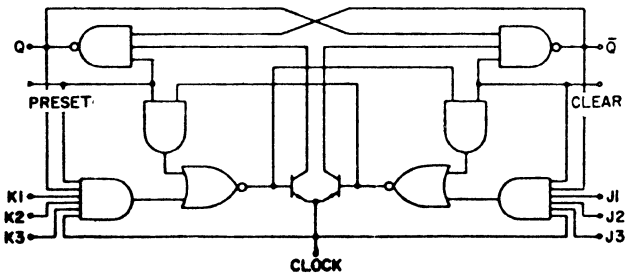
NOTE: COMPONENT VALUES SHOWN ARE NOMINAL.

	CKT	Q	Q̄	J	C̄K	K	VCC	GND
B02-251	1	3	2	1	12	4	14	7
	2	5	6	8	9	11		

B02-254

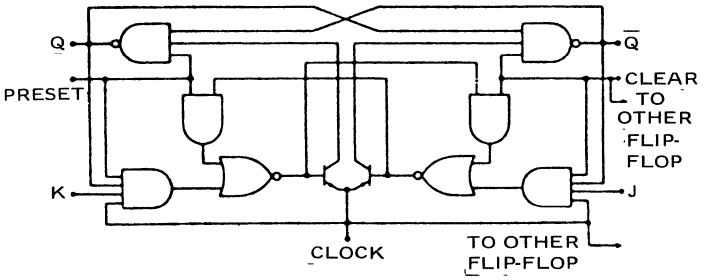


B02-255



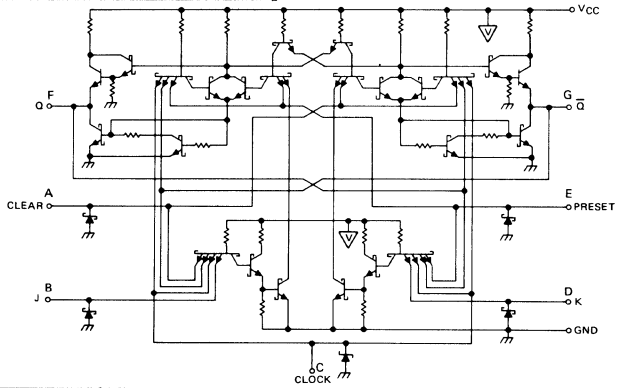
	PKG	Q	$\overline{Q}$	PRESET	CLEAR	CLOCK	K			J			VCC	GND
							1	2	3	1	2	3		
B02-255	FP	12	10	3	5	2	1	13	14	7	8	9	4	11
	M	8	6	13	2	12	9	10	11	3	4	5	14	7

B02-256



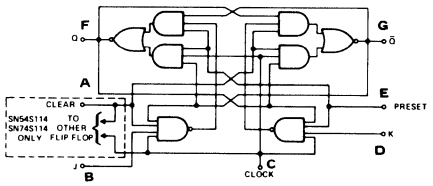
	CKT NO.	Q	PRESET	K	CLOCK	J	CLEAR	$\overline{Q}$	VCC	GND
B02-256	1	13	2	14	1	3	5	12	4	11
	2	8	6	7		10		9		

B02-257



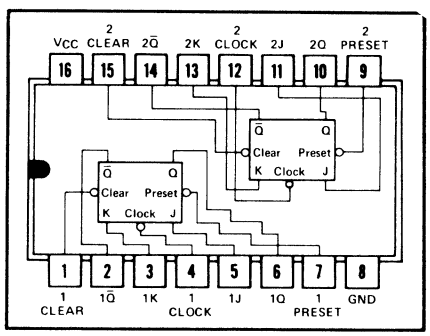
	CKT	A	B	C	D	E	F	G	VCC	GND
B02-257	1	15	3	1	2	4	5	6	16	8
	2	14	11	13	12	10	9	7	16	8

B02-258

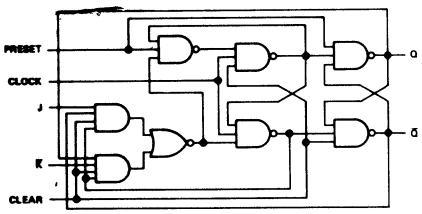


	CKT	A	B	C	D	E	F	G	VCC	GND
B02-258	1	NA	3	1	2	4	5	6	14	7
	2	NA	11	13	12	10	9	8	14	7
B02-258a	1	1	3	13	2	4	5	6	14	7
	2	1	11	13	12	10	9	8	14	7

B02-259

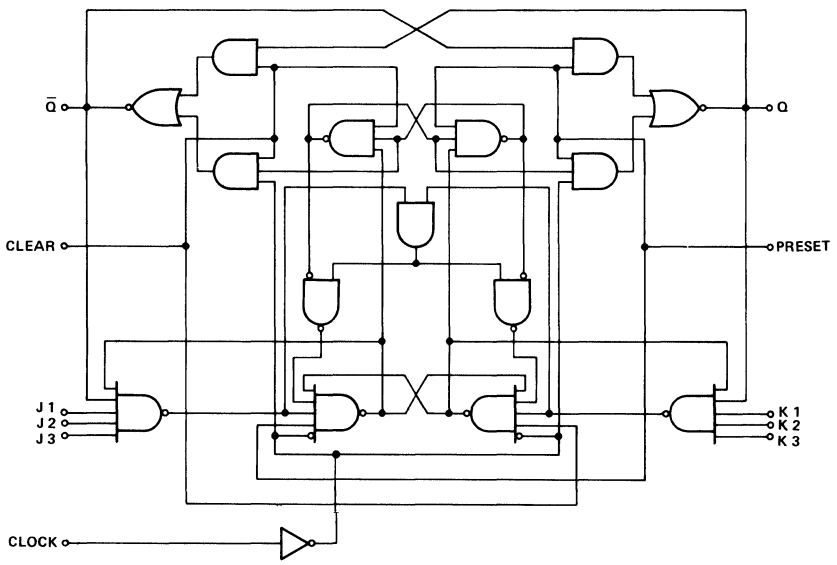


B02-260

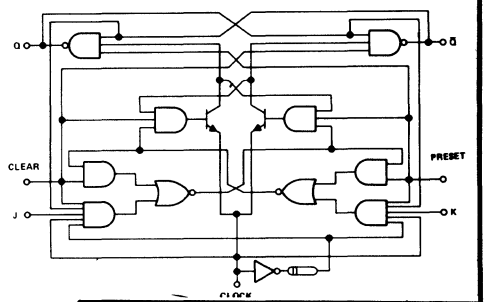


	CKT	PRESET	CK	J	$\overline{K}$	CLEAR	Q	$\overline{Q}$	GND	VCC
B02-260	1	5	4	2	3	1	6	7	8	16
	2	11	12	14	13	15	10	9		

B02-261

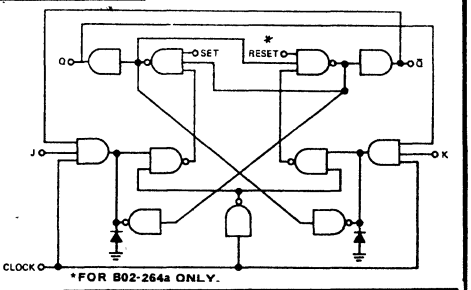


B02-262



	CKT	CLEAR	J	CLOCK	PRESET	K	Q	Q̄	GND	VCC
B02-262	1	3	4	5	2	1	7	6	8	16
	2	13	12	11	14	15	9	10		

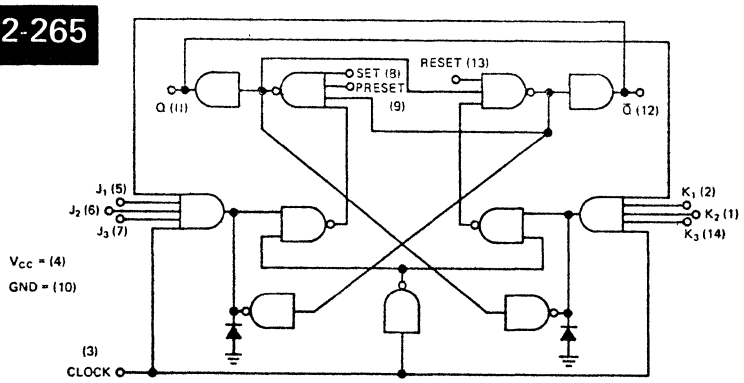
B02-264



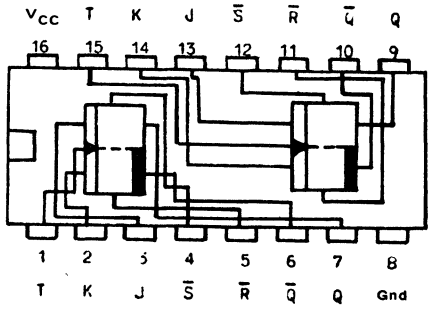
*FOR B02-264a ONLY.

	CKT	J	K	CLOCK	SET	RESET	Q	Q̄	VCC	GND
B02-264	1	2	1	3	14		13	12	4	10
	2	6	7	5	8		9	11		
B02-264a	1	2	1	3	14	5	13	12	4	10
	2	6	7		8		9	11		

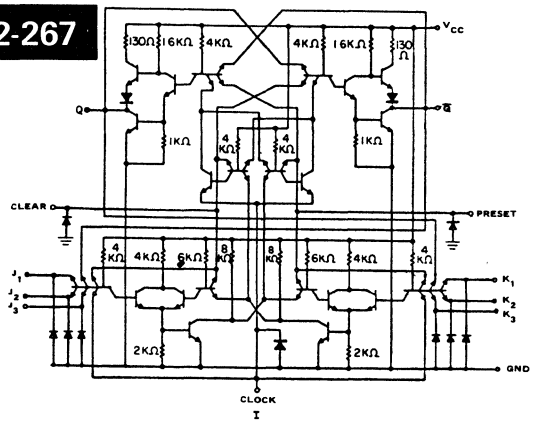
B02-265

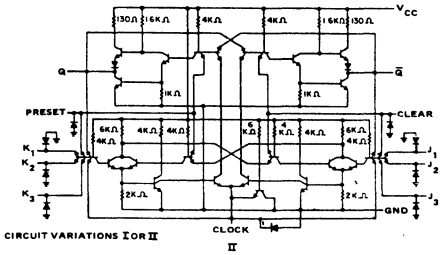


B02-266



B02-267

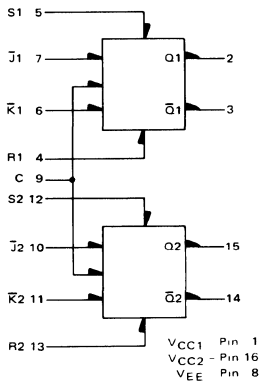




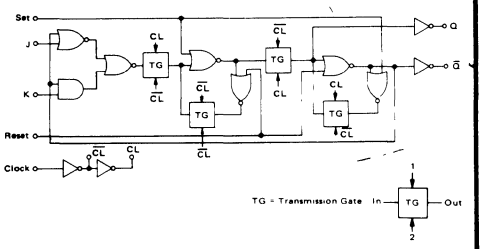
CIRCUIT VARIATIONS I OR II

	PKG	J			K			CLOCK	PRESET	CLEAR	VCC	Q	Q̄	GND
		1	2	3	1	2	3							
B02-267	FP	7	8	9	1	13	14	2	3	5	4	12	10	11
B02-267a	MP	3	4	5	9	10	11	12	13	2	14	8	6	7

B02-268

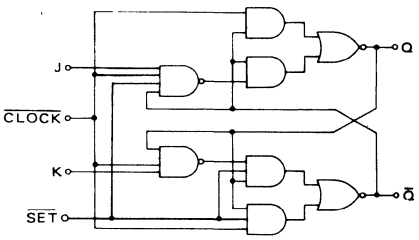


B02-269



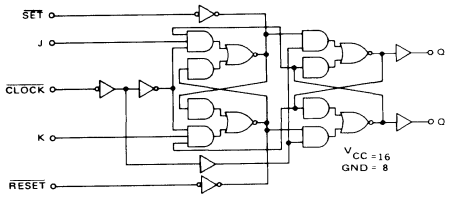
	CKT	S	J	K	C	R	Q	Q̄
B02-269	1	7	6	5	3	4	1	2
	2	9	10	13	11	12	15	14

B02-270



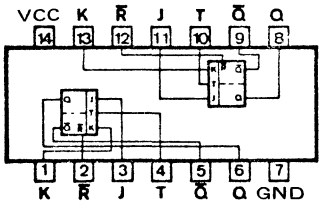
	CKT	S	J	C̄	K	Q	Q̄
B02-270	1	6	7	5	10	9	8
	2	14	1	3	2	12	13

B02-271

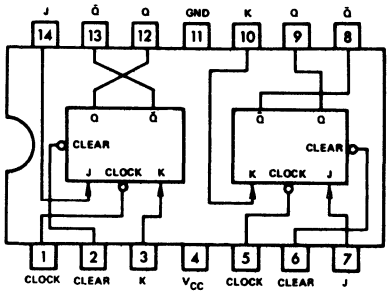


	CKT	S̄	J	C̄	K	R̄	Q	Q̄
B02-271	1	4	3	1	2	5	6	7
	2	12	13	15	14	11	10	9

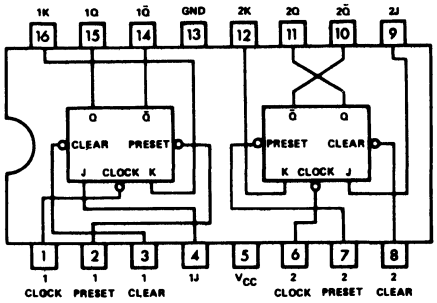
B02-273



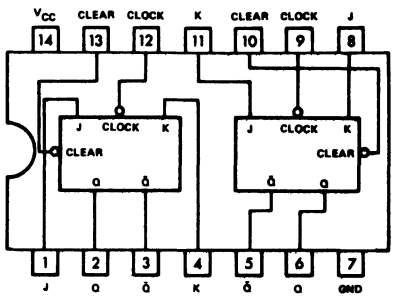
B02-274



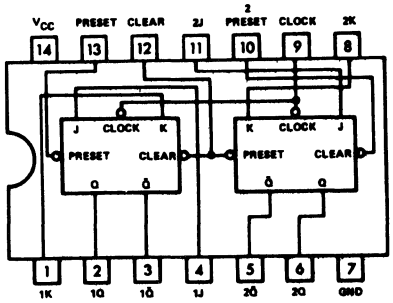
B02-275



B02-276

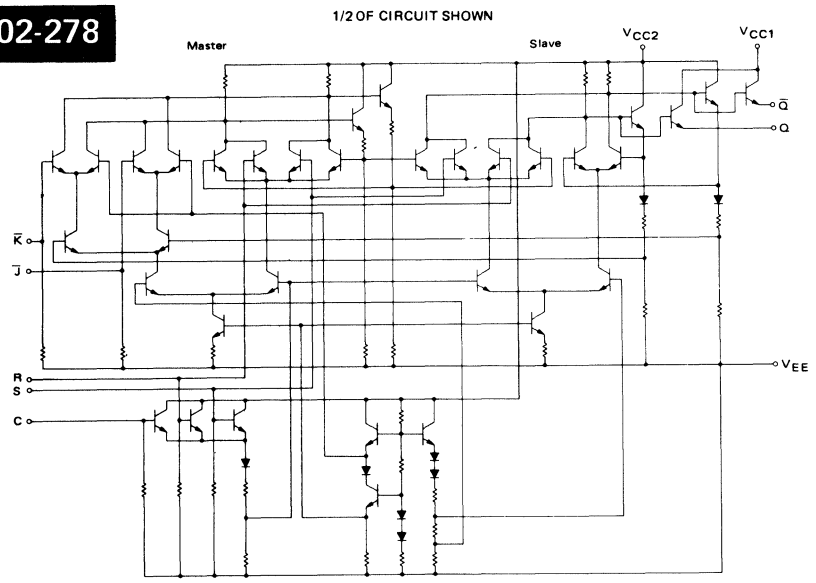


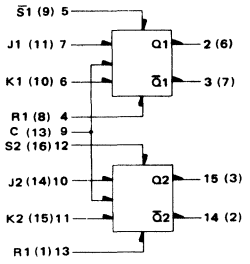
B02-277



B02-278

1/2 OF CIRCUIT SHOWN

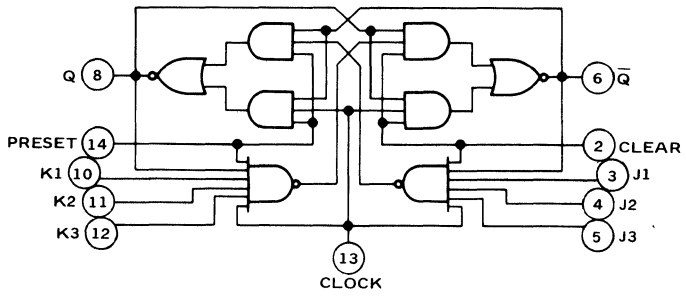




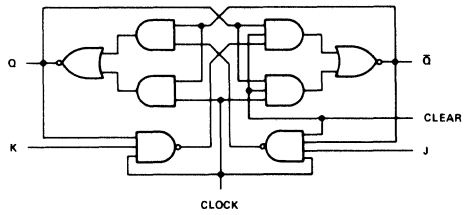
Numbers at ends of terminals denote pin numbers for L package

Numbers in parenthesis denote pin numbers for F package

B02-279

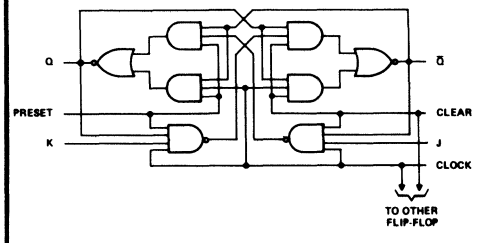


B02-280



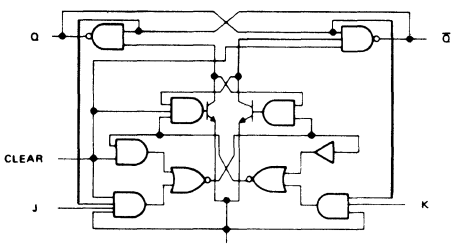
	CKT	J	K	CLOCK	CLEAR	Q	$\overline{Q}$
B02-280	1	17	3	18	1	14	16
	2	8	12	5	7	11	9

B02-281



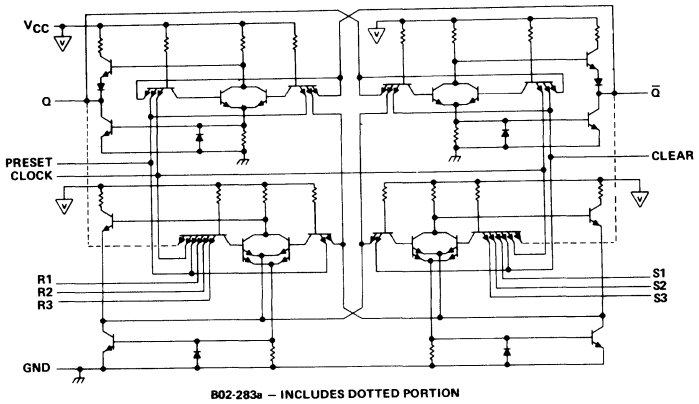
	CKT	J	K	CLOCK	CLEAR	PRESET	Q	$\overline{Q}$
B02-281	1	3	17	18	5	1	16	14
	2	12	8			7	9	11

B02-282



	CKT	J	K	CLEAR	CLOCK	Q	$\overline{Q}$
B02-282	1	19	3	2	1	17	18
	2	7	15	6	5	14	13

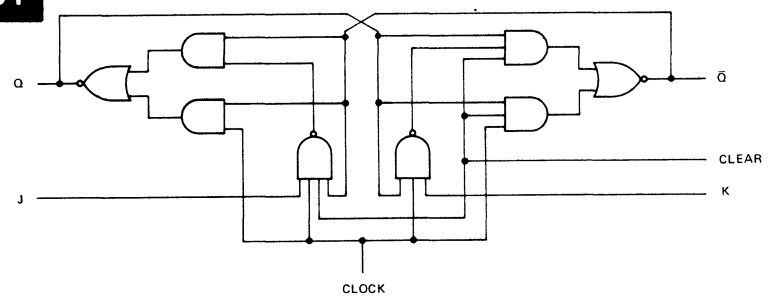
B02-283



B02-283a – INCLUDES DOTTED PORTION

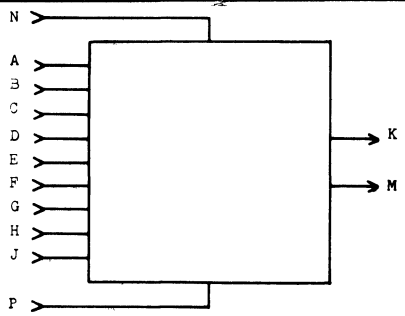
▽ V_{CC}bus

B02-284



	CKT	J	K	CLOCK	CLEAR	Q	Q̄
B02-284	1	14	3	1	2	12	13
	2	7	10	5	6	9	8

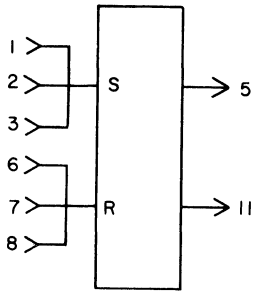
B03-8

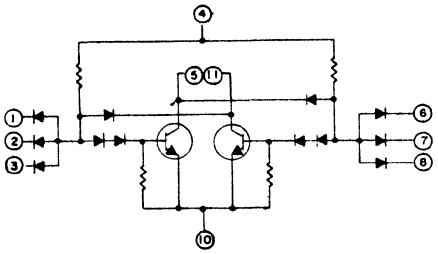


NOTE: PIN DESIGNATORS ARE IN PARENTHESIS WHEN GIVEN.

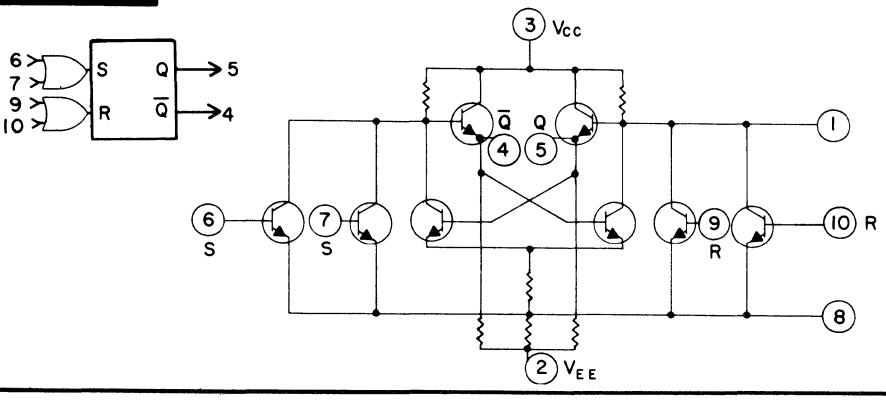
	CKT NO	A	B	C	D	E	F	G	H	J	K	M	N	P	VCC	COM
B03-8	1	S	S	S	BS	BR	R	R			1	0				
B03-8a	1	S	S	R	R	R					1	0				
B03-8b	1	S	R	R							1	0				
B03-8c	1	S(5)	C(7)	R(4)							Q(2)	Q(3)				
	2	S(10)	C(8)	R(11)							Q13)	Q(12)				
B03-8d	1	DS(4)	S(6)	T1(9)	T2(10)	R(2)					Q(7)	Q(3)				
B03-8e	1	R(4)	T(2)	S(1)							Q(3)					
	2	R(6)	T(7)	S(9)							Q(8)					
B03-8f	1	(12)									(14)	(30)				
B03-8g	1	S(4)	R(32)								C(31)	D(2)				
	2	S(10)	R(26)								C(6)	D(8)				
	3	S(16)	R(22)								C(14)	D(18)				
	4	S(27)	R(23)								C(1)	D(29)				
	5	S(3)	R(19)								C(7)	D(5)				
	6	S(9)	R(15)								C(13)	D(11)				
B03-8j	1	S(2)	SC(4)	T(32)	RC(6)	R(31)					(3)	(1)				
	2	S(8)	SC(10)	T(32)	RC(12)	R(31)					(7)	(5)				
	3	S(14)	SC(16)	T(32)	RC(18)	R(31)					(11)	(9)				
	4	S(2)	SC(22)	T(32)	RC(24)	R(31)					(15)	(13)				
	5	S(26)	SC(28)	T(32)	RC(30)	R(31)					(19)	(17)				
	6	S(21)	SC(23)	T(32)	RC(25)	R(31)					(29)	(27)				
B03-8k	1	S(18)	R(24)								(22)	(20)				
	2	S(28)	R(32)								(30)	(28)				
	3	S(2)	R(8)								(6)	(4)				
	4	S(10)	R(16)								(14)	(12)				
	5	S(15)	R(9)								(11)	(13)				
	6	S(1)	R(7)								(3)	(5)				
	7	S(31)	R(25)								(27)	(29)				
	8	S(23)	R(17)								(19)	(21)				
B03-8m	1	R(D)	S(H)								0(E)	1(F)				
	2	R(J)	S(M)								0(K)	1(L)				
	3	R(N)	S(S)								0(P)	1(R)				
	4	R(N)	S(V)								0(T)	1(U)				
B03-8n	1	R(D)	S(H)								0(E)	1(F)				
B03-8p	1	S(6)	J(4)	P(3)	K(5)	R(7)					Q(9)	Q(8)				
	2	S(15)	J(17)	P(18)	K(16)	R(14)					Q(12)	Q(13)				
	3	S(22)	J(20)	P(19)	K(21)	R(23)					Q(25)	Q(24)				
	4	S(31)	J(33)	P(34)	K(32)	R(30)					Q(28)	Q(29)				
	5	S(38)	J(36)	P(35)	K(37)	R(39)					Q(41)	Q(40)				
	6	S(47)	J(49)	P(50)	K(48)	R(46)					Q(44)	Q(45)				
B03-8q	1	J(5)	S(7)	T(4)	R(1)	K(3)					Q(6)	Q(2)				
	2	J(11)	S(9)	T(12)	R(15)	K(13)					Q(10)	Q(14)				
B03-8r	1	J(2)	S(14)	T(3)		K(1)					Q(13)	Q(12)				
	2	J(6)	S(8)	T(5)		K(7)					Q(9)	Q(11)				
B03-8s	1	J(2)	S(14)	T(3)	R(5)	K(1)					Q(13)	Q(12)				
	2	J(6)	S(8)	T(3)	R(5)	K(7)					Q(9)	Q(11)				
B03-8t	1	J(5)	T(4)	K(2)							Q(6)	Q(1)	RD(3)			
	2	J(9)	T(10)	K(12)							Q(8)	Q(13)	RD(11)			
B03-8u	1	J(5)	T(4)	K(2)							Q(6)	Q(1)	RD(3)		14	4
	2	J(9)	T(10)	K(12)							Q(8)	Q(13)	RD(11)		14	4
B03-8v	1	J(3)	T(4)	K(1)							Q(12)	Q(10)	S1(8)	S2(6)		
B03-8w	1	J(7)	T(1)	K(8)							Q(3)	Q(2)	R(9)	PS(6)		
B03-8x	1	D(10)	C1(8)	C2(7)							Q(2)	Q(3)	S(5)	R(4)		
B03-8y	1	D(10)	C1(8)	C2(6)							Q(2)	Q(3)	S(5)	R(4)		
B03-8z	1	D(9)	C1(8)								Q(13)	Q(12)	S(10)	R(11)		
	2	D(6)	C1(7)								Q(2)	Q(3)	S(5)	R(4)		
B03-8aa	1	DS(V)									Q(D)	Q(E)				
B03-8ab	1	S(6)	C(4)	R(5)							Q(2)	Q(1)			7	14
	2	S(8)	C(10)	R(9)							Q(12)	Q(13)			7	14
B03-8ac	1	D(5)	C(4)								Q(1)	Q(2)			7	14
	2	D(9)	C(10)								Q(13)	Q(12)			7	14

B03-19

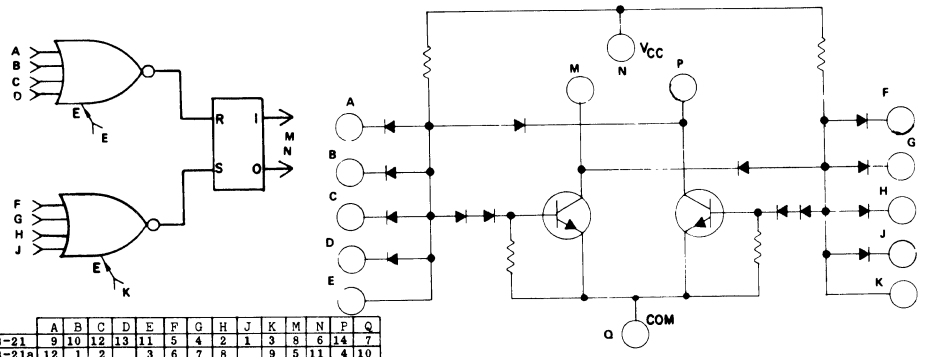




B03-20

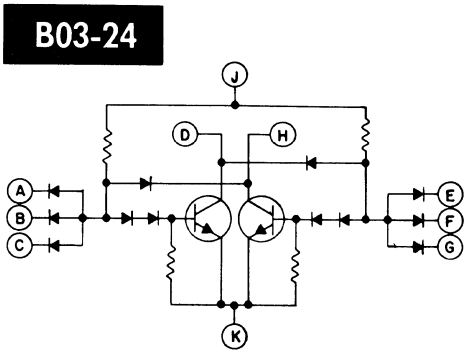


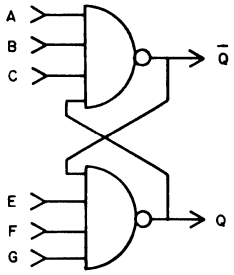
B03-21



	A	B	C	D	E	F	G	H	J	K	M	N	P	Q
B03-21	9	10	12	13	11	5	4	2	1	3	8	6	14	7
B03-21a	12	1	2		3	6	7	8		9	5	11	4	10
B03-21b	10	11	12		13	3	4	5		6	1	8	7	14

B03-24

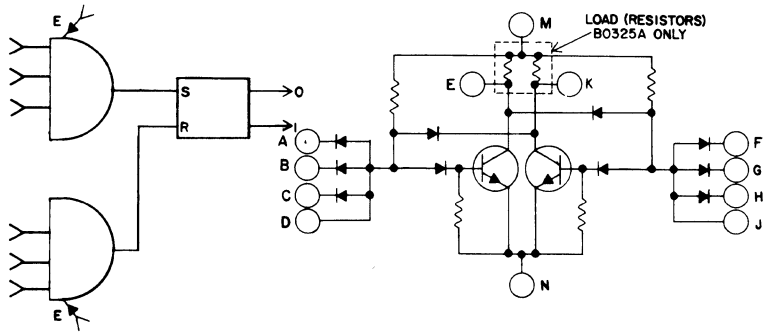




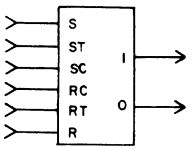
PACKAGE	A	B	C	D	E	F	J	H	J	K
T078	1	2	3	5	6	7	8	11	4	10
T084	3	4	5	8	10	11	12	1	7	14
T091	2	3	4	6	7	8	9	1	5	10

B03-25

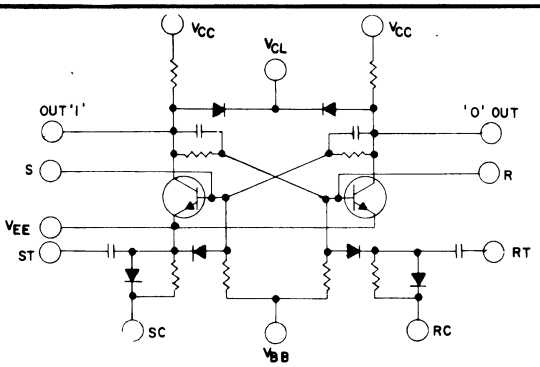
PACKAGE	A	B	C	D	E	F	G	H	J	K	M	N
CN18	12	1	2	3	5	6	7	8	9	11	4	10
T084A	10	11	12	13	1	3	4	5	6	8	7	14



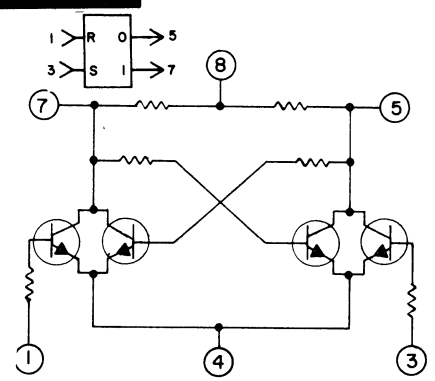
B03-56



	B0356	B0356A		B0356	B0356 A
1	V_{EE}	RC	11	V_{CL}	V_{EE}
2	V_{BB}	SC	12	–	V_{CL}
3	RC	'1'	13	V_{CC}	V_{CC}
4	RT	'0'	14	'0'	V_{CC}
5	–	RT	15	–	–
6	R	ST	16	–	–
7	–	–	17	S	–
8	–	S	18	–	–
9	'1'	R	19	ST	
10	V_{CC}	V_{BB}	20	SC	

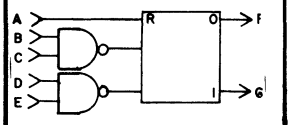


B03-60

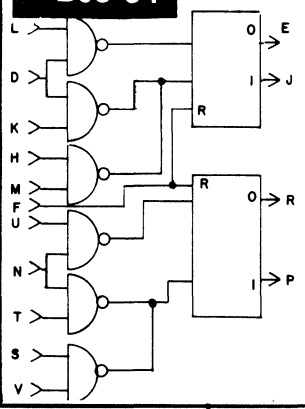


B03-62

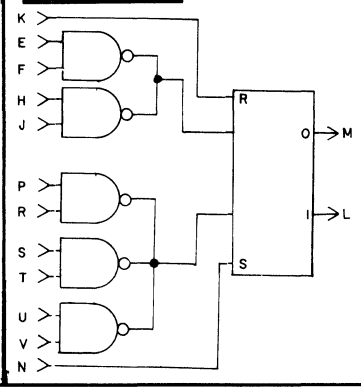
	2 CKTS	3 CKTS	
	B0362	B0362A	
A	F	R	D	K	R
B	D	N	J	P	V
C	E	P	H	N	U
D	L	V			
E	K	U			
F	H	S	E	L	S
G	J	T	F	M	T
CKT NO	1	2	1	2	3



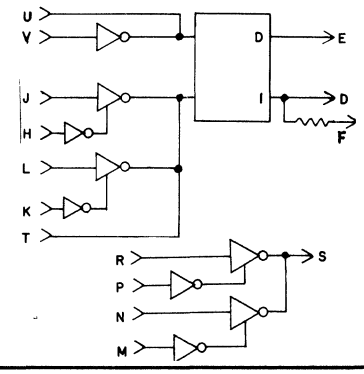
B03-64



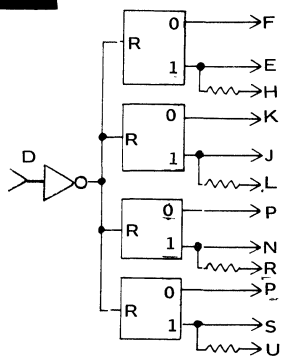
B03-65



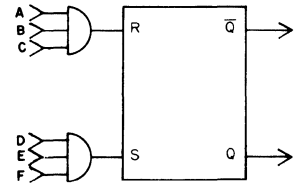
B03-66

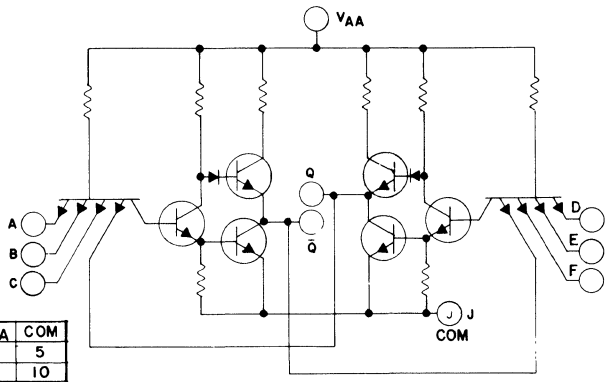


B03-67



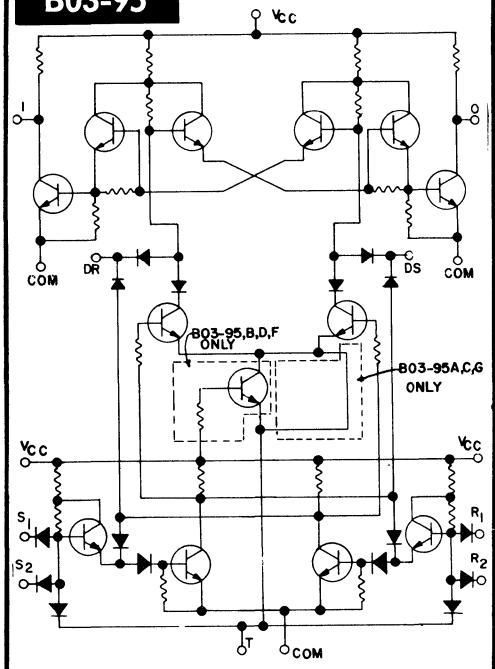
B03-88





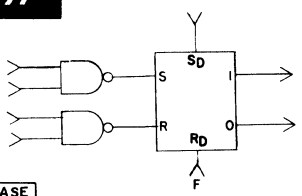
		A	B	C	D	E	F	Q	$\bar{Q}$	V_{AA}	COM
B03-88	CN	8	9	10	1	2	3	6	7	12	5
	FP	2	3	13	5	6	9	11	12	4	10
B03-88A	FP	2	3	13	5	6	9	11	12	4	10

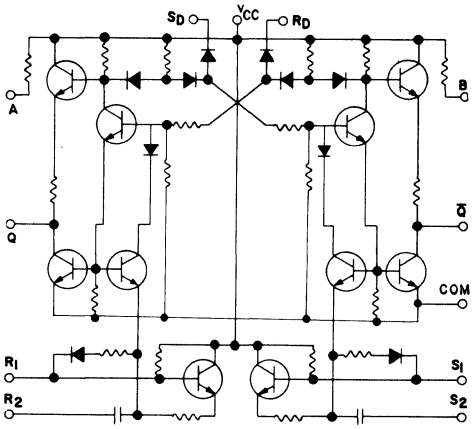
B03-95



	PKG	CKT NO	DR	R1	R2	T	S1	S2	DS	1	0	COM	VCC
B03-95a	FP, MP	1		5	12	11	2	3	4	10	6	9	7	14
B03-95b, c	CN	1		NC	9	8	1	2	3	7	4	6	5	10
B03-95d	FP, MP	1		NC	2	NC	1	3	NC	4	6	5	7	14
		2			12		13	11		10	8	9		
B03-95f, g	CN	1		4	10	11	1	2	3	8	5	7	6	12

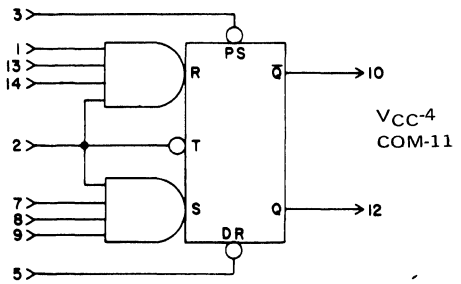
B03-97



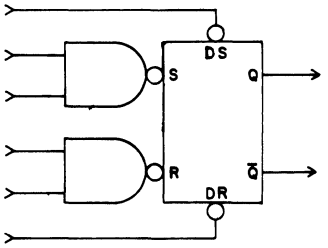


	CASE STYLE	SI	S2	SD	R1	R2	RD	Q	$\bar{Q}$	A	B	V_{CC}	COM
B0397	FP	6	10	1	4	5	13	3	11			14	
	CN	5	7	1	3	4	9	2	8			10	6
B0397A	FP/MP	10	6	1	4	5	13	3	11	2	12	14	7
B0397B	CN	9	5	11	3	4	1	2	10	NC	NC	12	6
B0397C	FP	10	6	1	4	5	13	3	11	2	12	14	7
	CN	7	5	1	3	4	9	2	8			10	6
B0397D	FP MP	4	5	13	6	10	1	3	11	2	12	14	7
	CN	3	4	9	5	7	1	2	8	NC	NC	10	6

B03-117



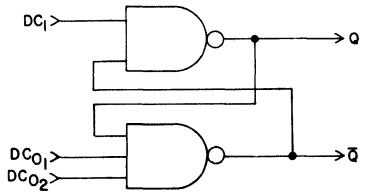
B03-120



	DS	S_1	S_2	R_1	R_2	DR	Q	$\bar{Q}$	V_{CC}	COM
FP	13	4	5	10	6	1	3	11	14	7
CN_1	11	3	4	9	5	1	2	10	12	6
CN_2	9	3	4	5	7	1	2	8	10	6

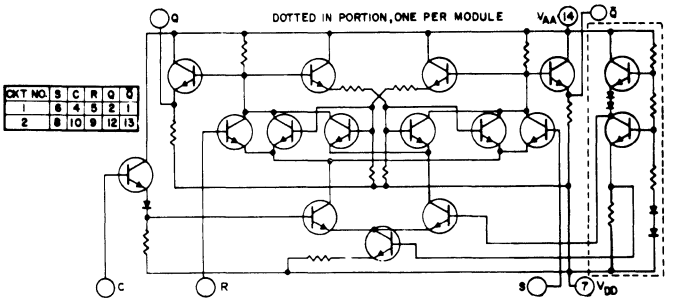
B03-121

CKT NO	DC_L	DC_{O_1}	DC_{O_2}	Q	$\bar{Q}$
1	C	J	E	7	6
2	D	4	5	3	F
3	K	9	8	10	H
4	L	N	12	13	11
5	15	R	Z	S	14
6	U	17	Z	16	V
7	21	W	Z	22	20
8	X	Y	Z	18	19



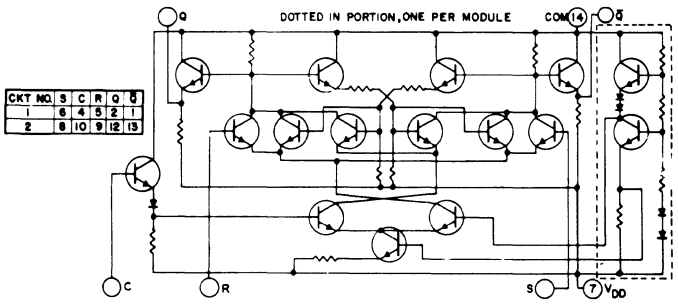
B03-125

CKT NO.	S	C	R	Q	$\bar{Q}$
1	6	4	5	2	1
2	8	10	9	12	13

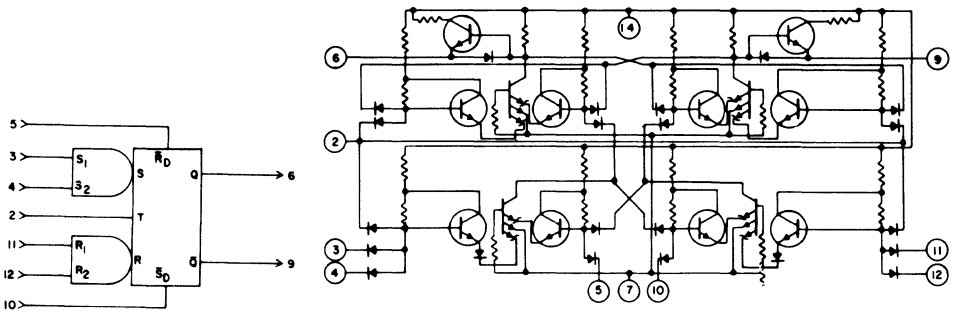


B03-126

CKT NO.	S	C	R	Q	$\bar{Q}$
1	6	4	5	2	1
2	8	10	9	12	13

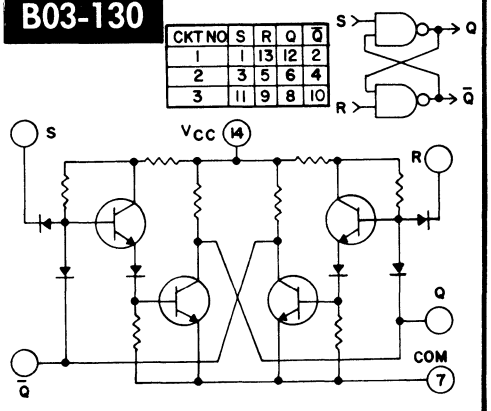


B03-127

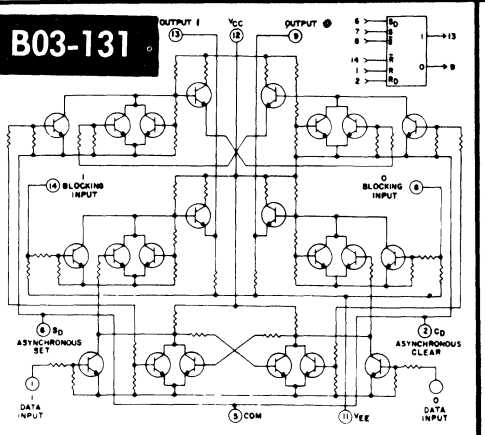


B03-130

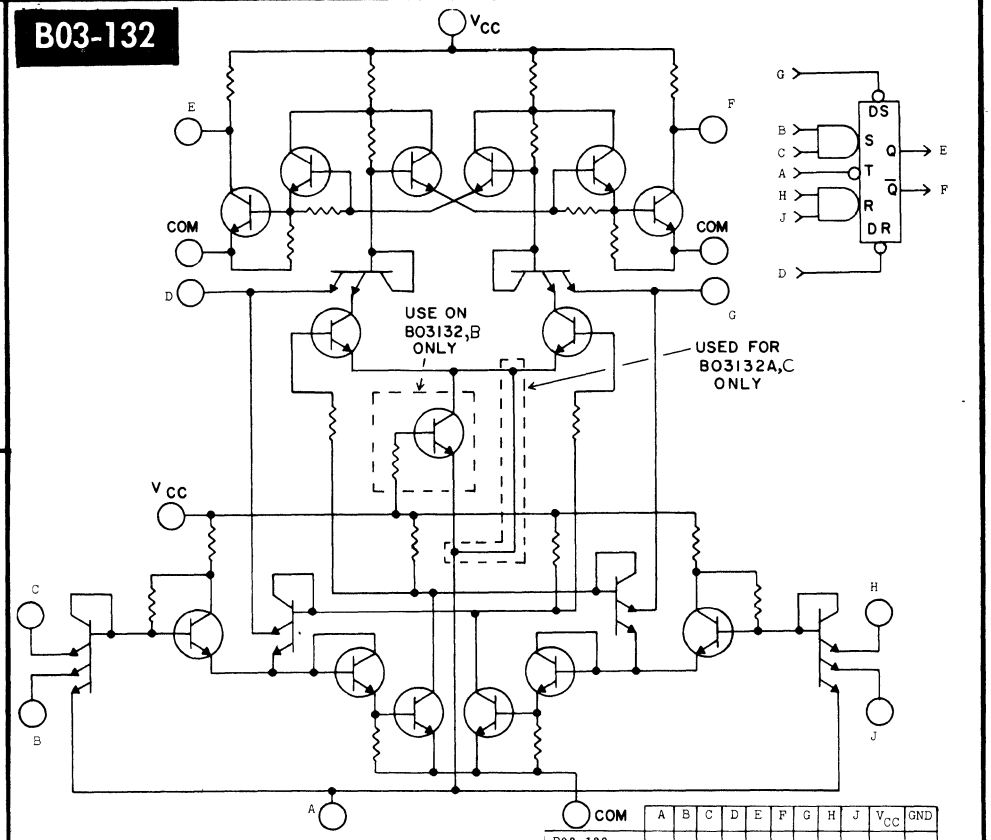
CKT NO	S	R	Q	$\bar{Q}$
1	1	13	12	2
2	3	5	6	4
3	11	9	8	10



B03-131

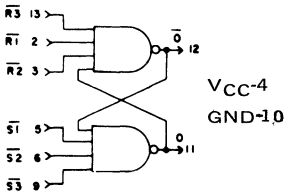


B03-132

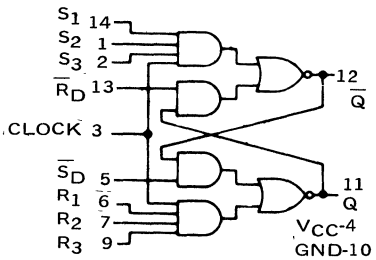


	A	B	C	D	E	F	G	H	J	V_{CC}	GND
B03-132 or B03-132a	2	3	4	5	6	9	10	11	12	14	7
B03-132b or B03-132c	1	2	3		4	6	7	8	9	10	5

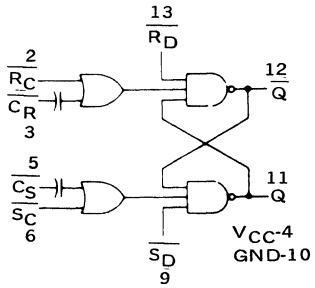
B03-133



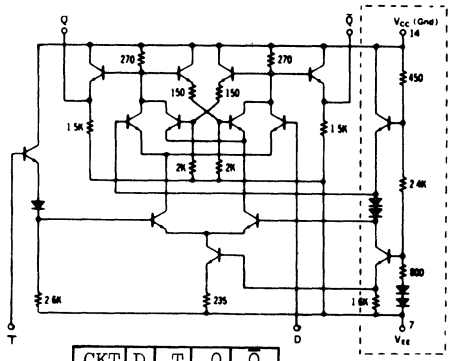
B03-136



B03-137



B03-138

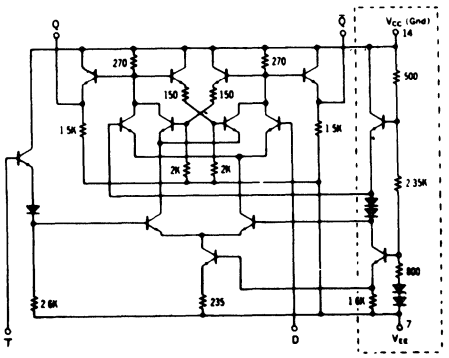


CKT	D	T	Q	$\overline{Q}$
1	5	4	1	2
2	9	10	13	12

DOTTED IN PORTION, ONE PER MODULE.

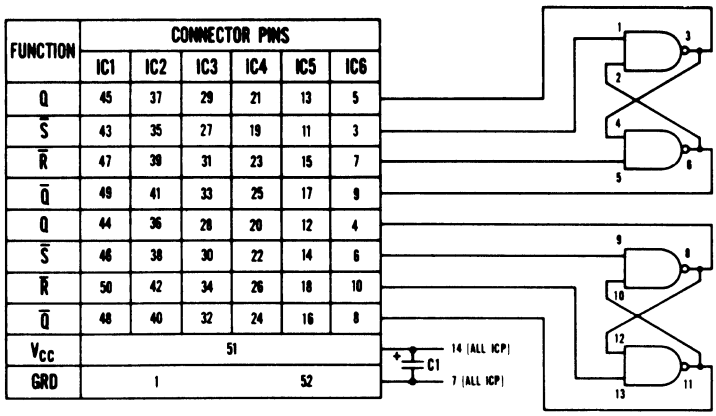
B03-139

DOTTED IN PORTION, ONE PER MODULE



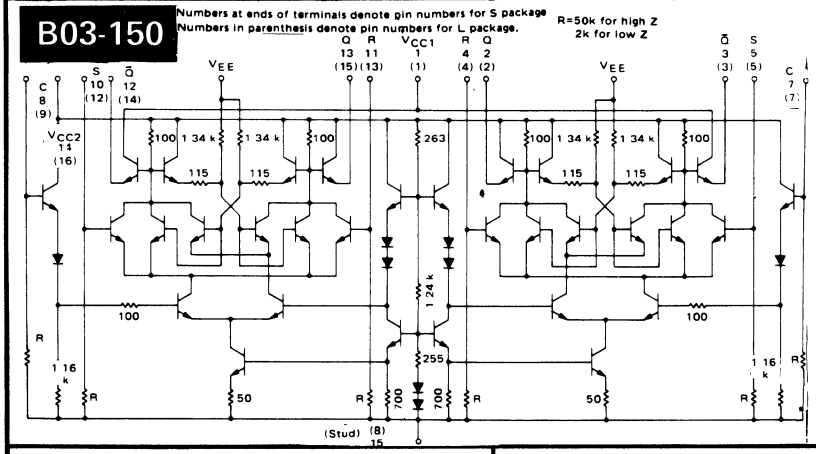
B03-141

FUNCTION	CONNECTOR PINS					
	IC1	IC2	IC3	IC4	IC5	IC6
Q	45	37	29	21	13	5
$\overline{S}$	43	35	27	19	11	3
$\overline{R}$	47	39	31	23	15	7
$\overline{Q}$	49	41	33	25	17	9
Q	44	36	28	20	12	4
$\overline{S}$	46	38	30	22	14	6
$\overline{R}$	50	42	34	26	18	10
$\overline{Q}$	48	40	32	24	16	8
V_{CC}	51					
GRD	1			52		

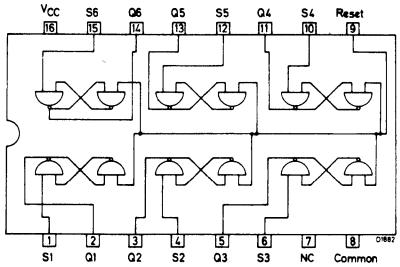


B03-150

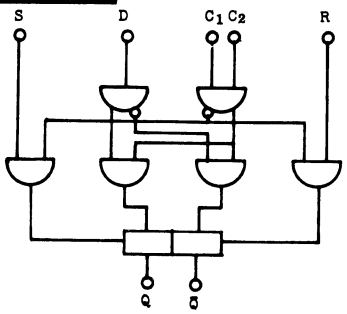
Numbers at ends of terminals denote pin numbers for S package
Numbers in parenthesis denote pin numbers for L package.
R=50k for high Z
2k for low Z



B03-151

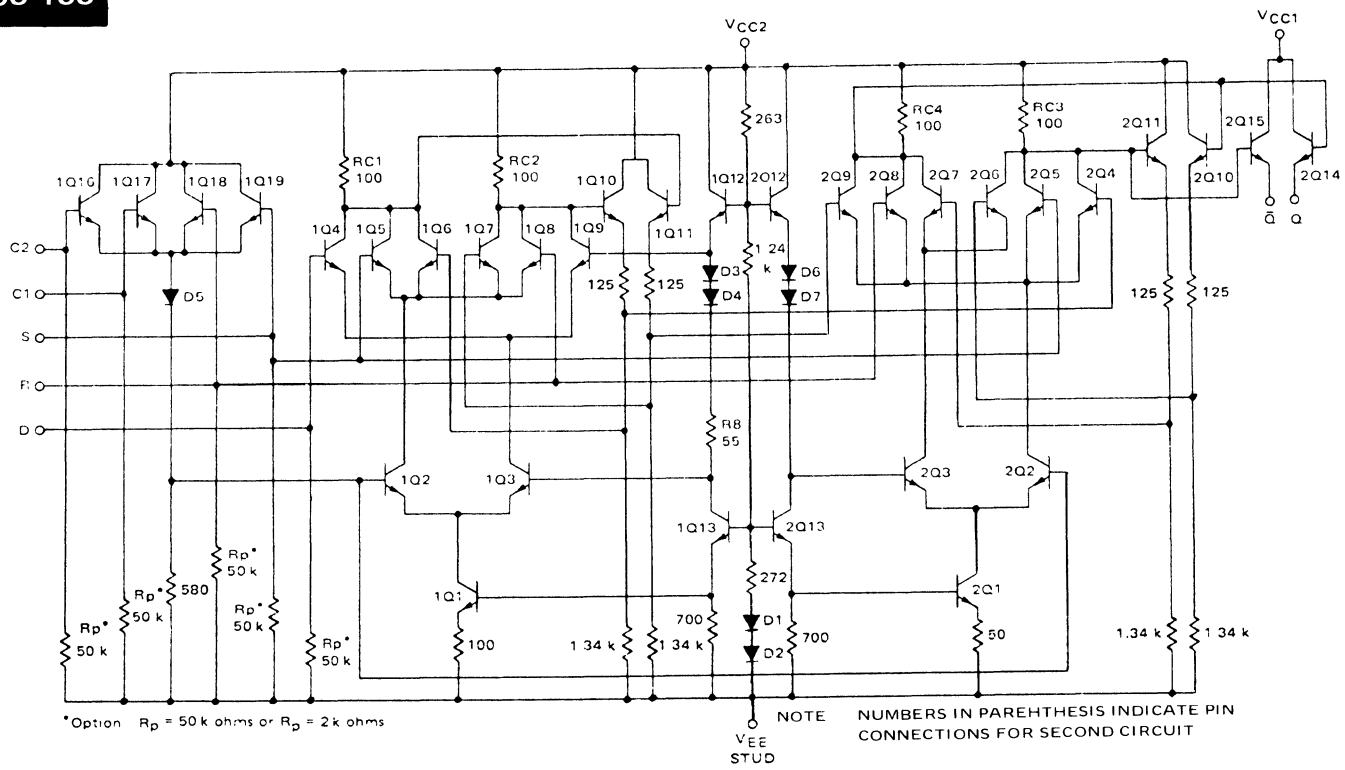


B03-152

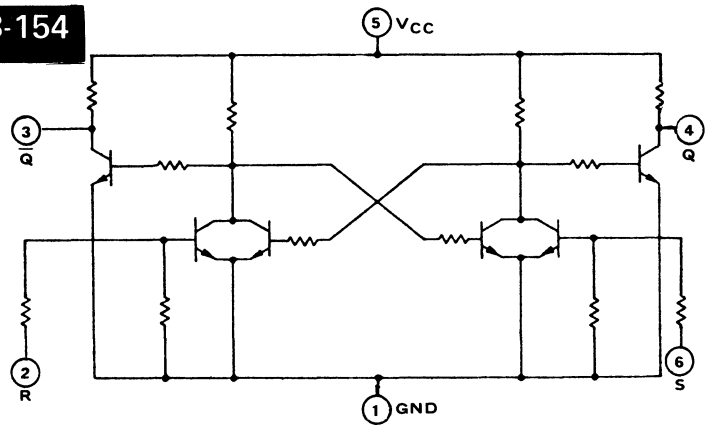


	S	D	C_1	C_2	R	Q	$\overline{Q}$	VCC	COM
B03-152	8	4	5	6	7	3	2	1	16
	9	13	12	11	10	14	15	1	16

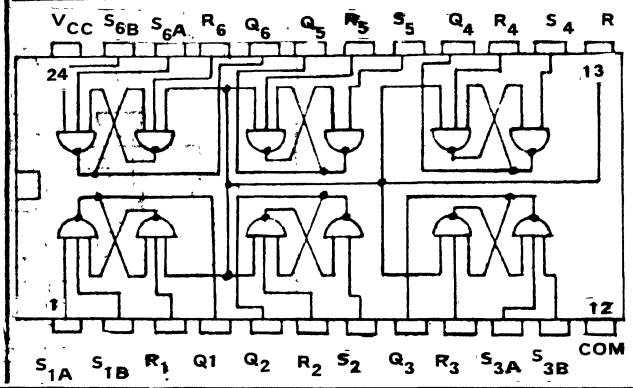
B03-153



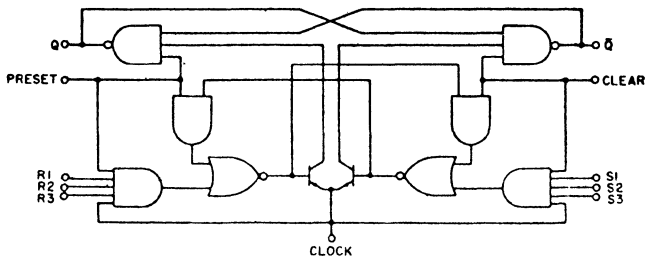
B03-154



B03-155

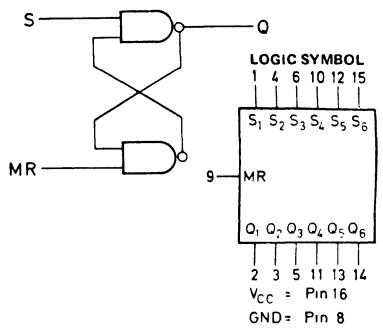


B03-156

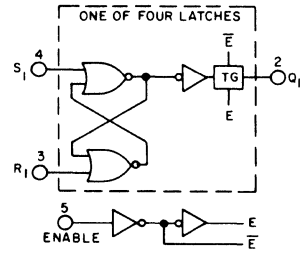


	PKG	Q	Q̄	PRESET	R			CLOCK	CLEAR	S			VCC	GND
					1	2	3			1	2	3		
B03-156	FP	12	10	3	1	13	14	2	5	7	8	9	4	11
	M	8	6	13	9	10	11	12	2	3	4	5	14	7

B03-157

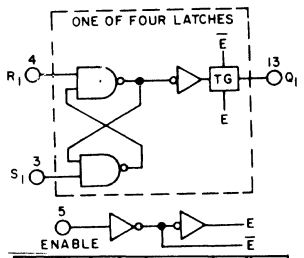


B03-158



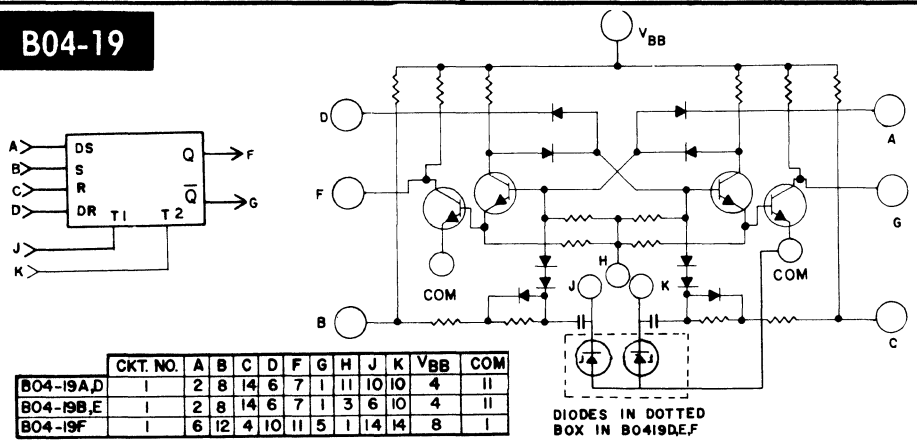
	CKT	R	S	Q	ENABLE	VDD	VSS
B03-158	1	4	3	2	5	16	8
	2	6	7	9			
	3	12	11	10			
	4	14	15	1			

B03-159



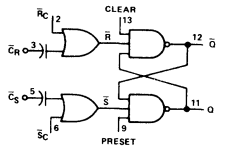
	CKT	R	S	Q	ENABLE	VDD	VSS
B03-159	1	4	3	13	5	16	8
	2	6	7	9			
	3	12	11	10			
	4	14	15	1			

B04-19



	CKT. NO.	A	B	C	D	F	G	H	J	K	V_{BB}	COM
B04-19A,D	1	2	8	14	6	7	1	11	10	10	4	11
B04-19B,E	1	2	8	14	6	7	1	3	6	10	4	11
B04-19F	1	6	12	4	10	11	5	1	14	14	8	1

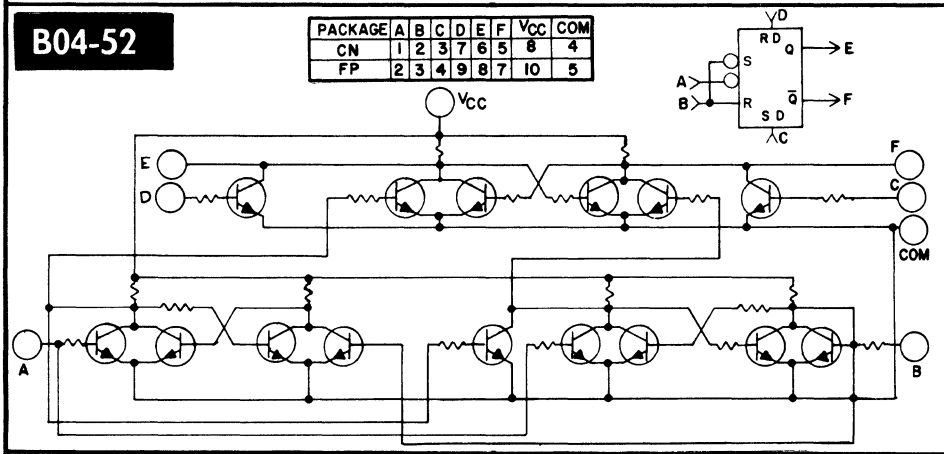
B04-42



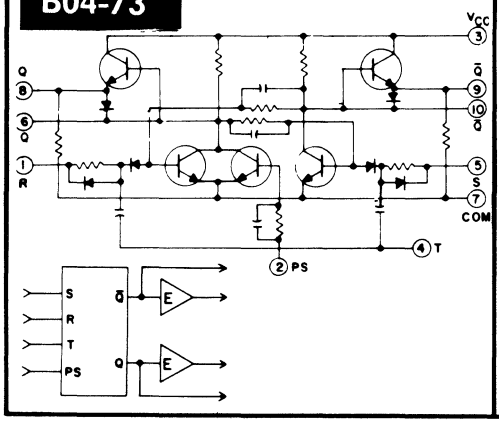
Pin 4 is V_{CC}, pin 10 is GND

B04-52

PACKAGE	A	B	C	D	E	F	V_{CC}	COM
CN	1	2	3	7	6	5	8	4
FP	2	3	4	9	8	7	10	5

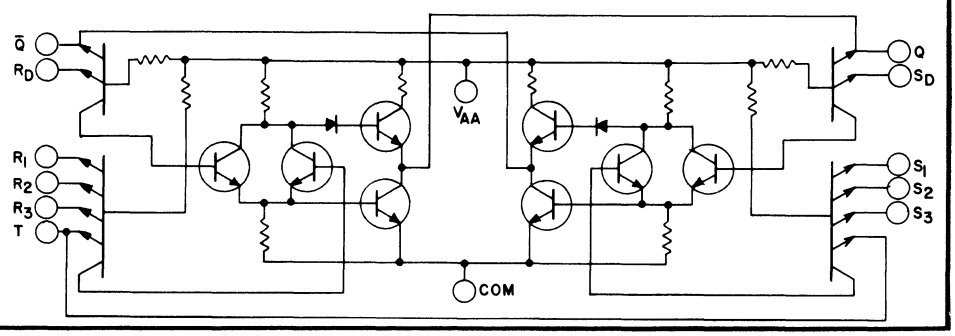


B04-73

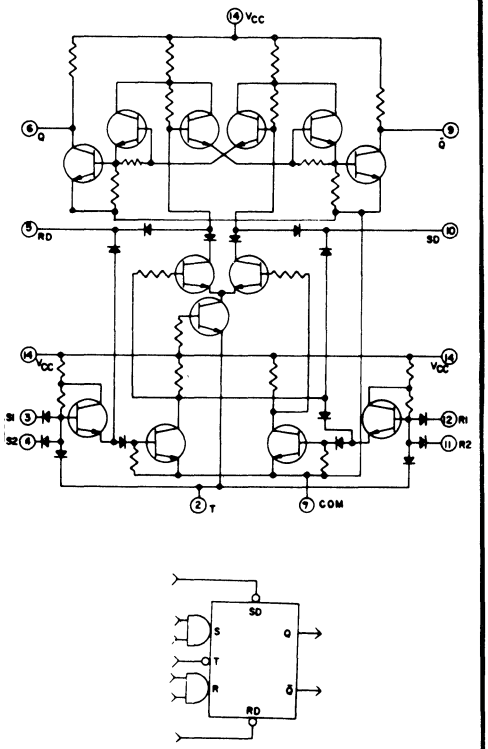


B04-77

	OUT LINE	S1	S2	S3	R1	R2	R3	SD	RD	T	$\bar{Q}$	Q	V_{AA}	COM
B0477	CN	2	3	4	8	9	10	NC	NC	1	5	7	12	6
	FP	14	1	2	6	7	9	13	5	3	12	11	4	10
B0477A	CN	6	7	NC	2	NC	NC	NC	NC	1	5	3	8	4

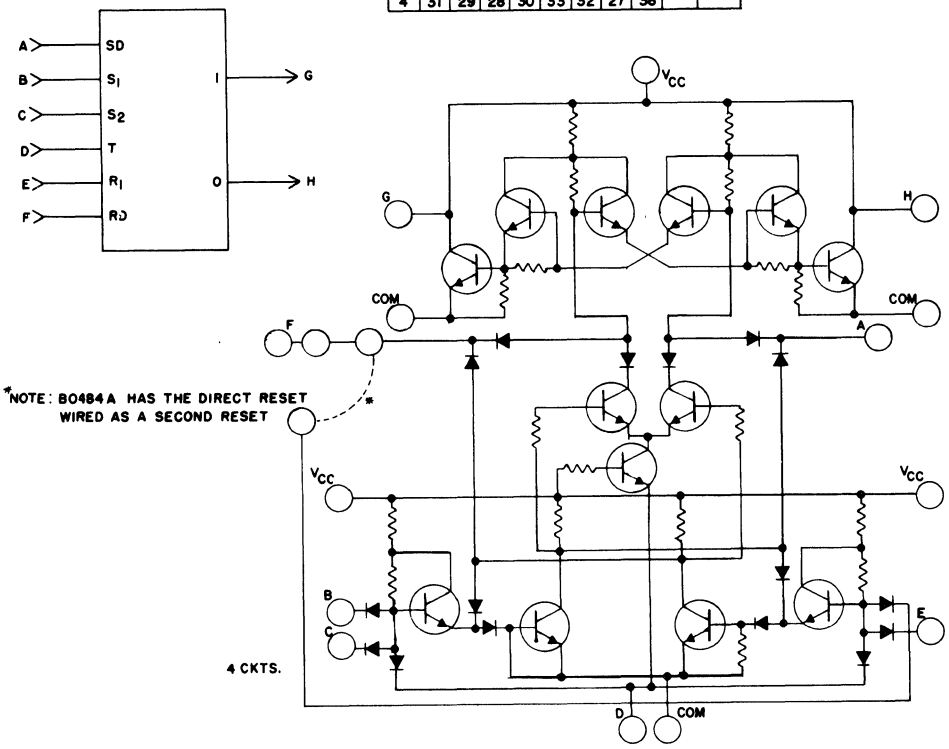


B04-82

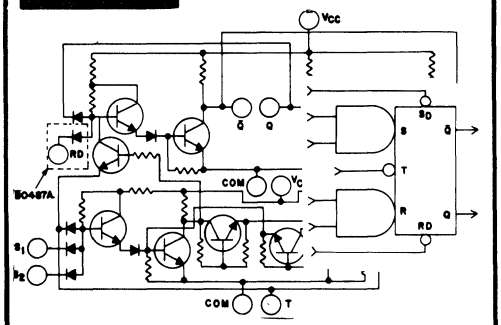


B04-84

CKT NO.	A	B	C	D	E	F	G	H	VCC	COM
1	2	6	5	7	9	8	1	10	34	3
2	17	13	12	14	15	16	11	18		
3	25	21	20	22	23	24	19	26		
4	31	29	28	30	33	32	27	38		



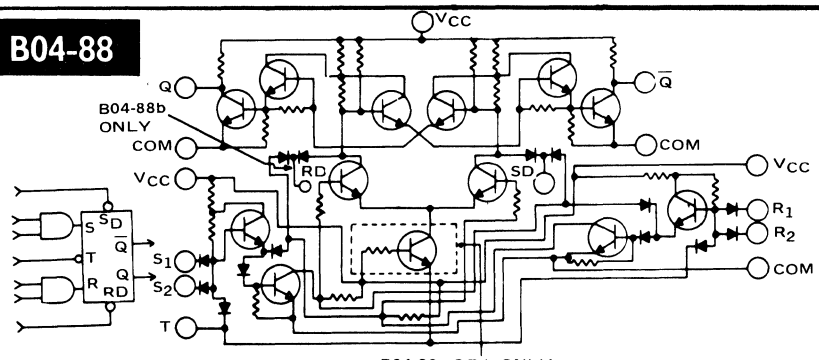
B04-87



OUTLINE TYPE	S1	S2	R1	R2	T	SD	Q	Q̄
CN	2	3	9	8	1	7	4	6
FP,M	3	4	12	11	2	10	6	9

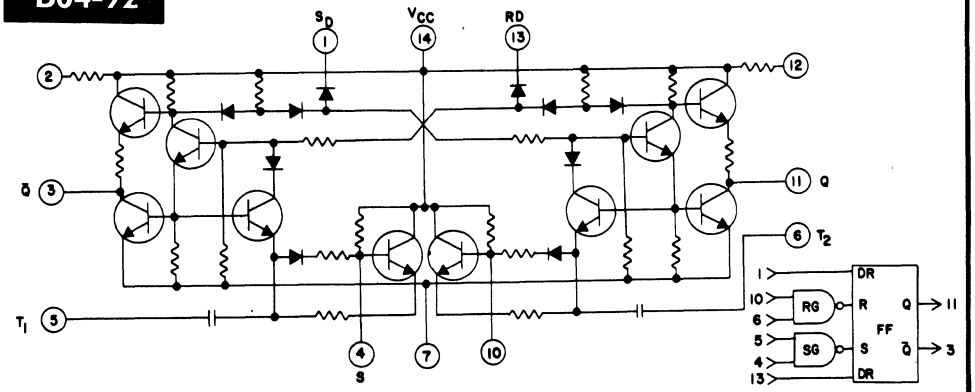
VCC	COM	RD
10	5	
14	7	5

B04-88

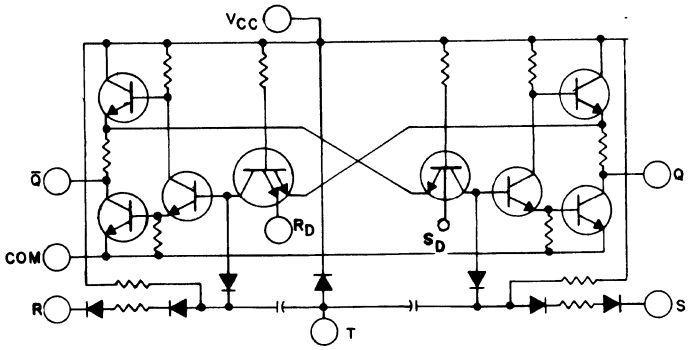


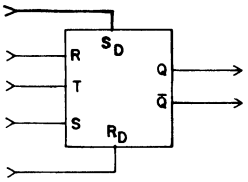
OUTLINE TYPE	S1	S2	R1	R2	T	SD	Q	Q̄	VCC	COM	RD
CN	2	3	9	8	1	7	4	6	10	5	
FP	3	4	12	11	2	10	6	9	14	7	5

B04-92



B04-125

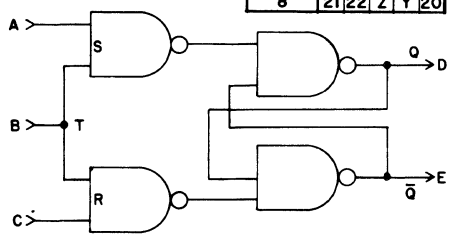




	PACK	CKT.	R	T	S	RD	SD	Q	Q̄	V_{CC}	COM
B04-125	FP	1	1	2	3	14		12	13	4	11
		2	7	6	5	8		10	9		
	M	1	3	2	1	5		6	4		
		2	12	11	13	10		8	9	14	7
B04-125a	FP	1	3	6	2	14	1	13	12		
		2	5	6	7	14	8	9	10	4	11
	M	1	13	2	12	10	11	9	8	14	7
		2	1	2	3	10	4	5	6		

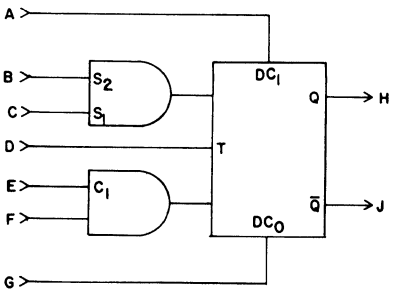
B04-126

CKT. NO	A	B	C	D	E
1	C	3	4	E	D
2	6	7	H	F	5
3	J	8	9	L	K
4	11	12	N	M	10
5	P	13	14	S	R
6	16	17	U	T	15
7	V	18	19	X	W
8	21	22	Z	Y	20

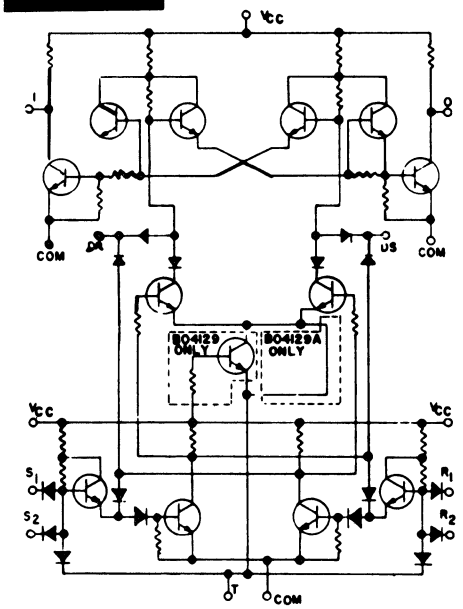


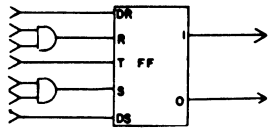
B04-127

CKT NO	A	B	C	D	E	F	G	H	J
1	D	H	7	J	C	4	6	F	5
2	L	P	13	R	K	10	12	N	11
3	T	W	19	X	S	16	18	V	17



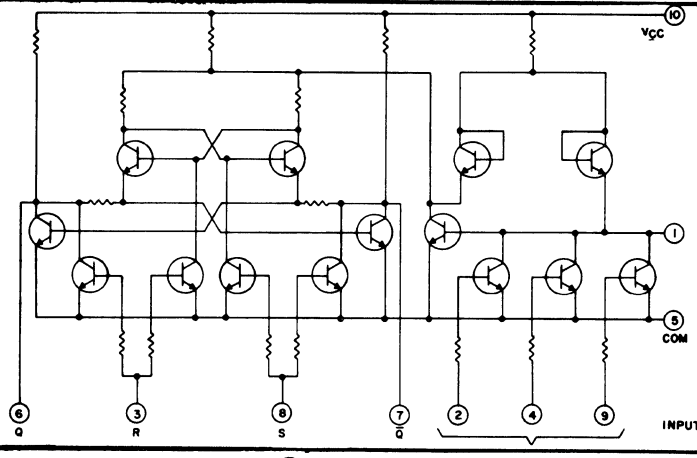
B04-129





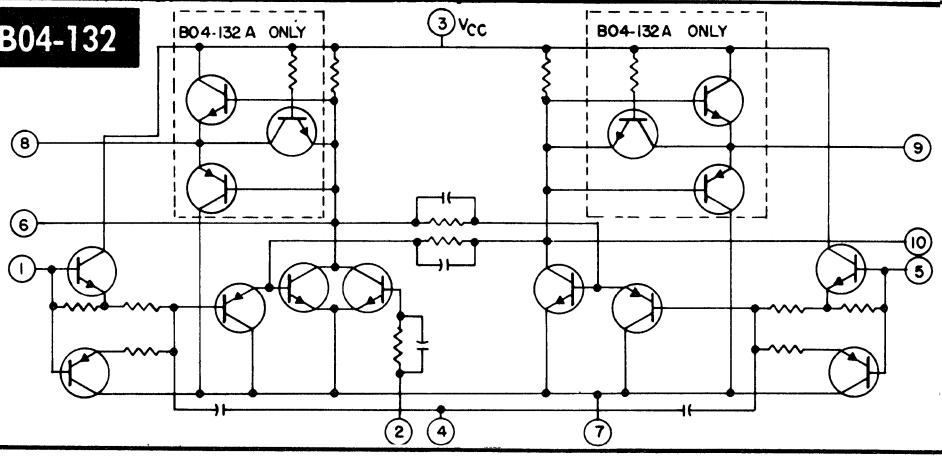
PKG	CKT NO	DR	R1	R2	T	S1	S2	DS	1	0	COM	VCC
FP, M	1		5	12	11	2	3	4	10	6	9	7	14
CN	1		NC	9	8	1	2	3	7	4	6	5	10

B04-130

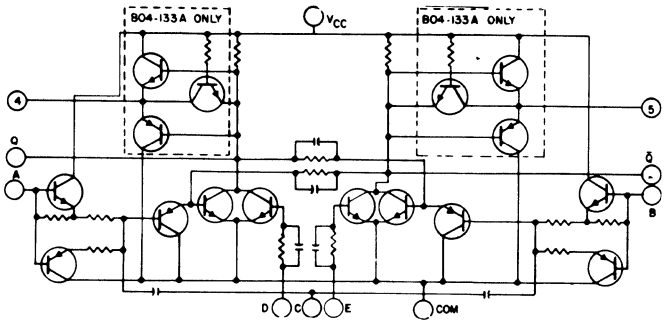


B04130A – ONLY 4 INPUTS

B04-132

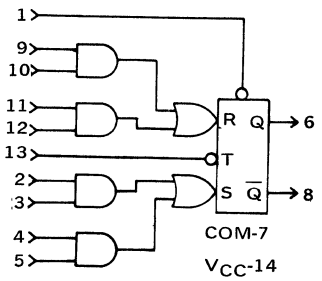


B04-133

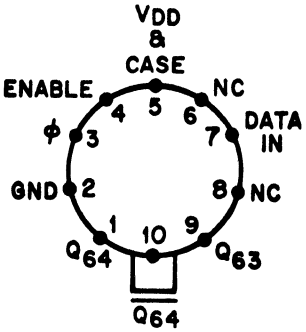


	A	B	C	D	E	Q	$\overline{Q}$	VCC	COM
B04-133	1	5	4	2	9	6	10	3	7
B04-133a	13	9	10	12	7	2	6	11	3

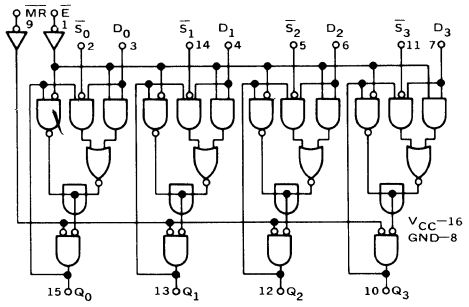
B04-136



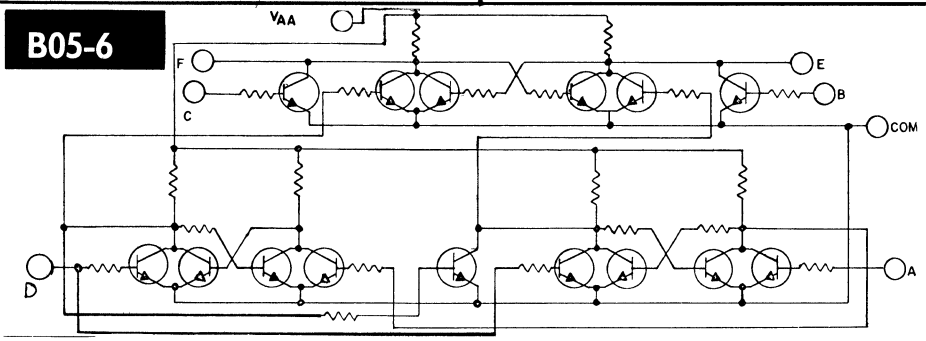
B04-140



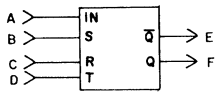
B04-141



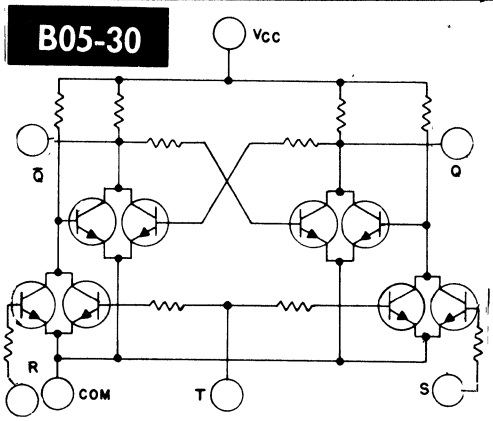
B05-6



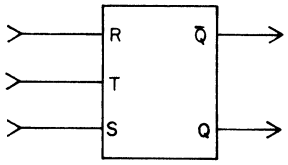
	OUTLINE STYLE/TERM	CKT NO	A	B	C	D	E	F	VAA	COM
B05-6	FP	1	3	4	9	2	7	8	10	5
	CN	1	2	3	7	1	5	6	8	4
B05-6a	FP	1	3	4	9	2	7	8	10	5
B05-6b	FP	1	2	3	7	1	5	6	8	4
	CN	2	2	4	9	1	6	7	10	5



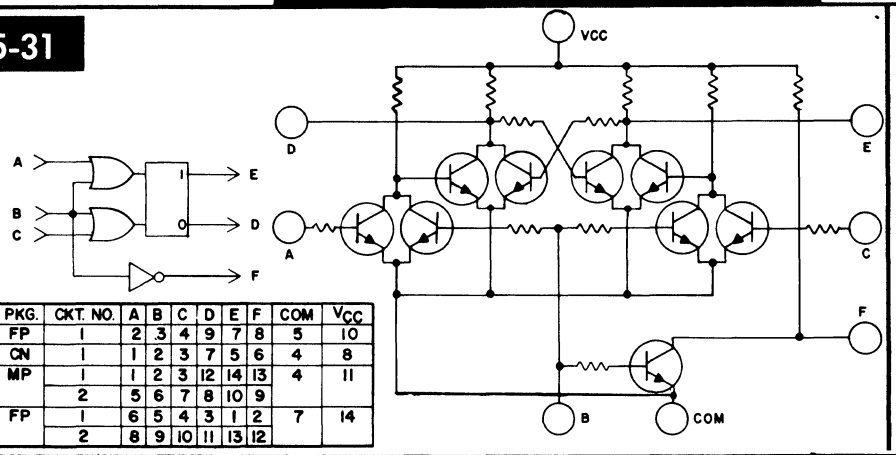
B05-30



	PKG.	CKT. NO	R	T	S	Q	$\overline{Q}$	COM	V_{CC}
B05-30	FP	1	2	3	4	7	9	5	10
	CN	1	1	2	3	5	7	4	8
B05-30A	MP	1	1	2	3	12	14	4	11
		2	5	6	7	8	10		
B05-30B	FP	1	4	5	6	1	3	7	14
		2	8	9	10	11	13		

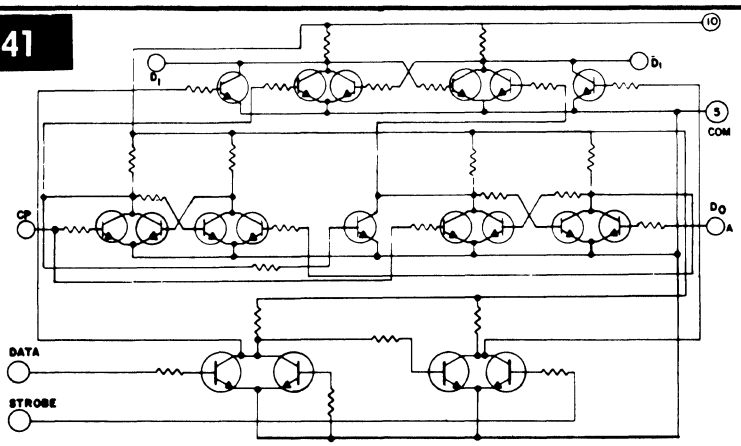


B05-31

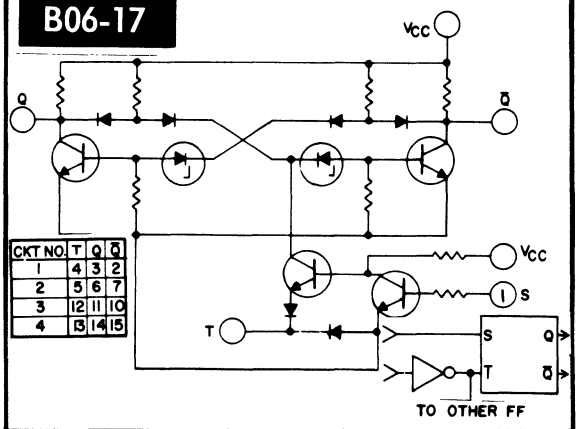


	PKG.	CKT. NO.	A	B	C	D	E	F	COM	V_{CC}
B05-31	FP	1	2	3	4	9	7	8	5	10
	CN	1	1	2	3	7	5	6	4	8
B05-31A	MP	1	1	2	3	12	14	13	4	11
		2	5	6	7	8	10	9		
	FP	1	6	5	4	3	1	2	7	14
		2	8	9	10	11	13	12		

B05-41

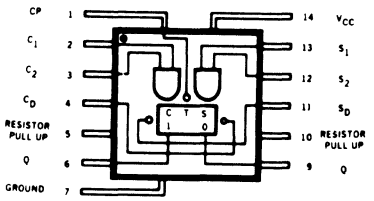


B06-17

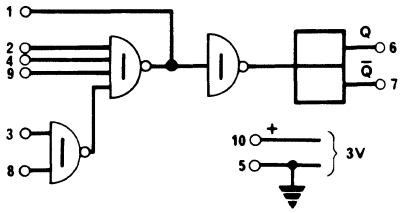


CKT NO.	T	Q	$\bar{Q}$
1	4	3	2
2	5	6	7
3	12	11	10
4	13	14	15

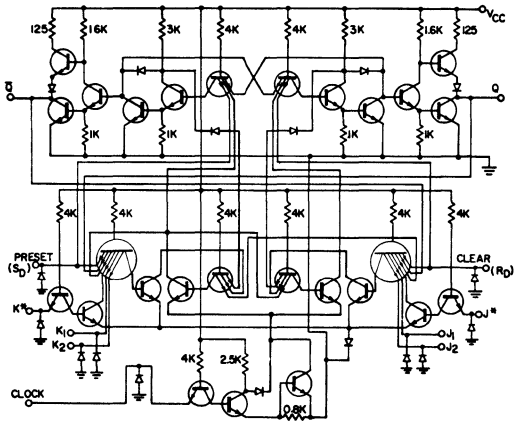
B06-19

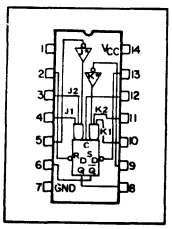


B06-22

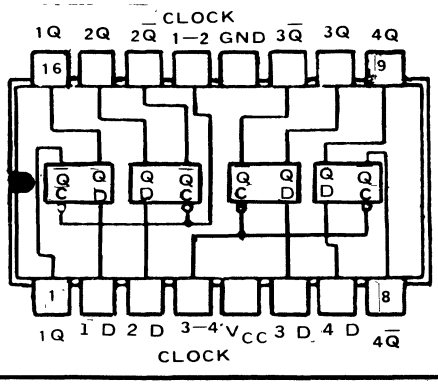


B06-23

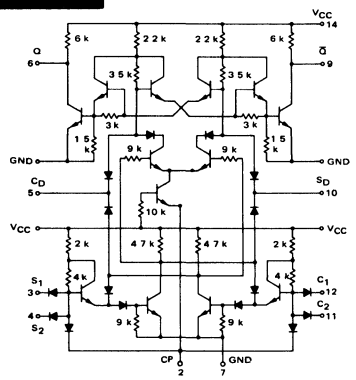




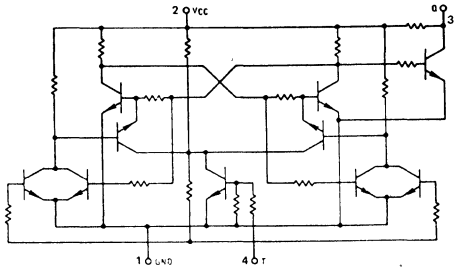
B06-25



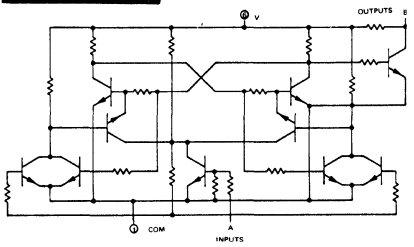
B06-27



B07-6

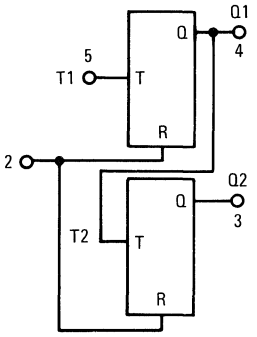


B07-7



	CKT	A	B
B077	1	2	3
	2	5	4

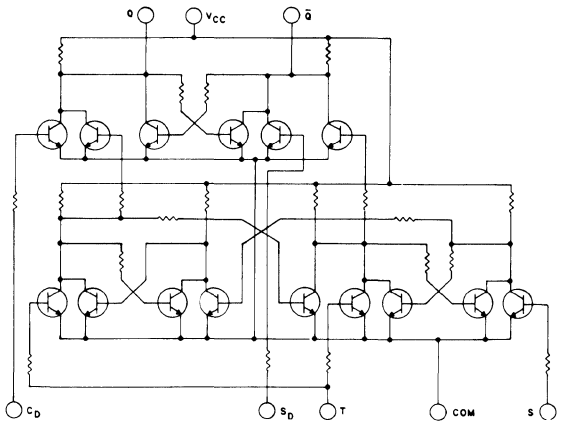
B07-8



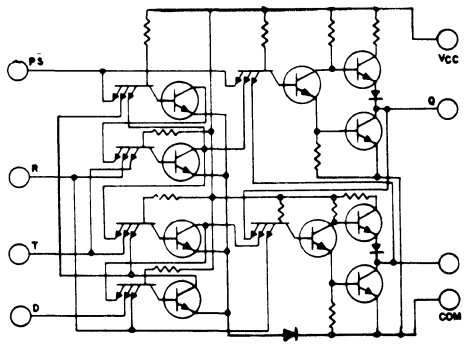
VCC = Pin 6
GND = Pin 1

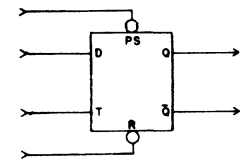
B08-1

OUTLINE	T	S	SD	Q̄	Q	RD	VCC	COM
CN	1	2	3	5	6	7	8	4
FP	1	2	4	6	7	9	10	5



B08-5

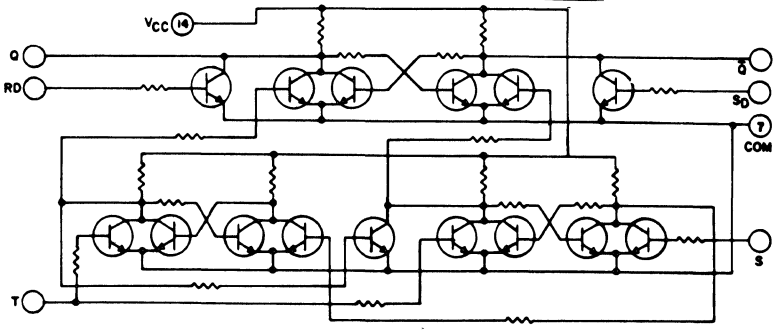




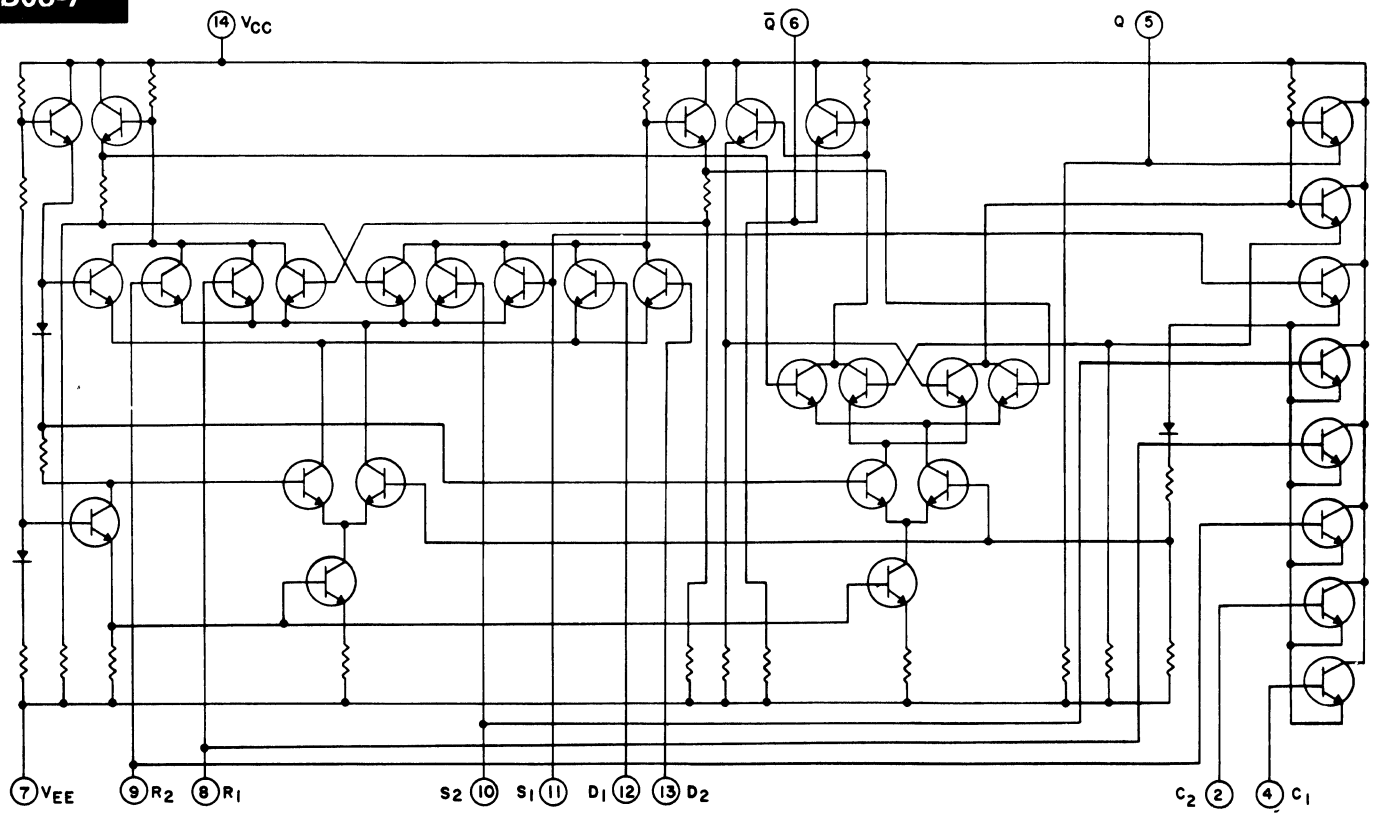
	CKT NO	D	PS	Q	Q̄	T	R	VCC	COM
FP	1	2	14	13	12	1	3	4	11
	2	6	8	9	10	7	5		
MP	1	2	4	5	6	3	1	14	7
	2	12	10	9	8	11	13		

B08-6

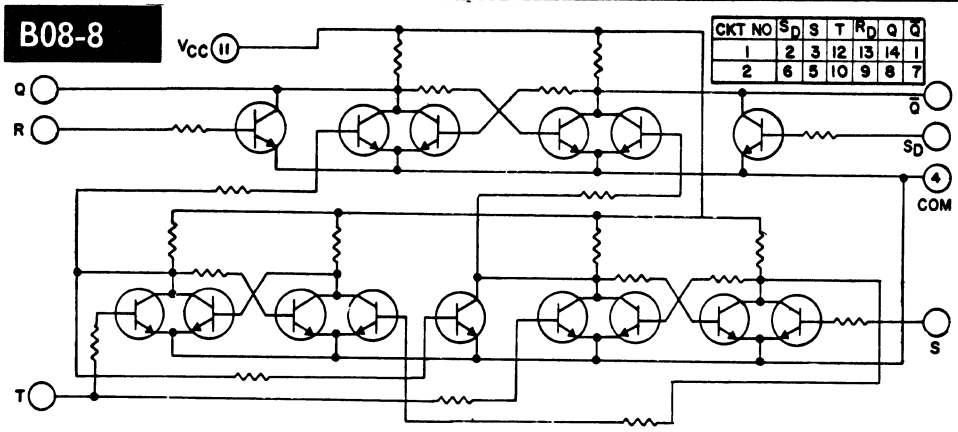
	CKT NO	S	T	SD	RD	Q	Q̄	VCC	COM
B086	1	6	1	5	2	3	4	14	7
	2	8	13	9	12	11	10		
B086a	1	2	1	3	7	6	5	8	4



B08-7



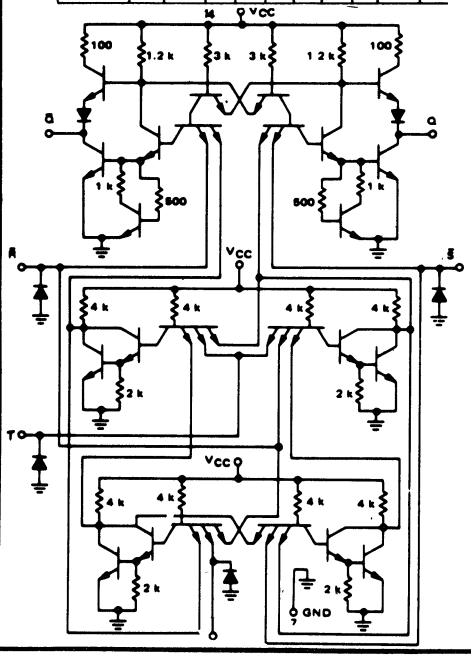
B08-8



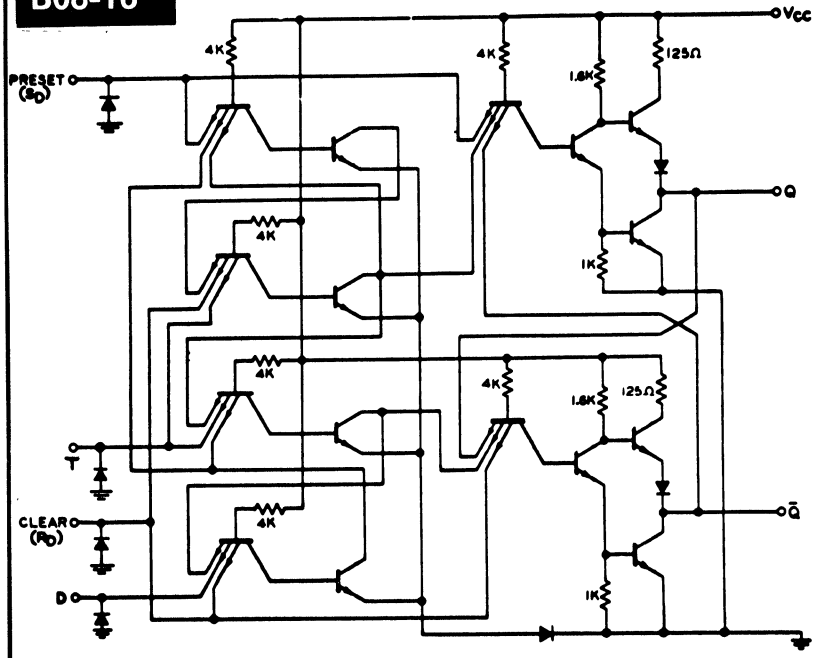
CKT NO	S_D	S	T	R_D	Q	Q̄
1	2	3	12	13	14	1
2	6	5	10	9	8	7

B08-10

	PKG	CKT	S̄	D	T	R̄	Q	Q̄	VCC	GND
B08-10		1	4	2	3	1	5	6	14	7
		2	10	12	11	13	9	8		
B08-10a		1	14	2	1	3	13	12	4	10
		2	8	6	7	5	9	11		
B08-10b		1	8	6	7	5	9	10	4	11
		2	14	2	1	3	13	12		
B08-10c	FC	1	13	6	7	5	14	15	4	16
		2	19	1	2	3	18	17		
	FP	1	8	6	7	5	9	10	4	11
		2	14	1	2	3	13	12		

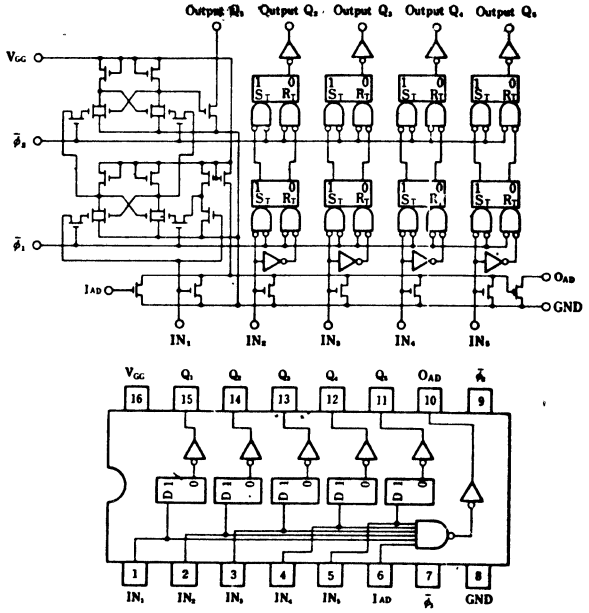


B08-16

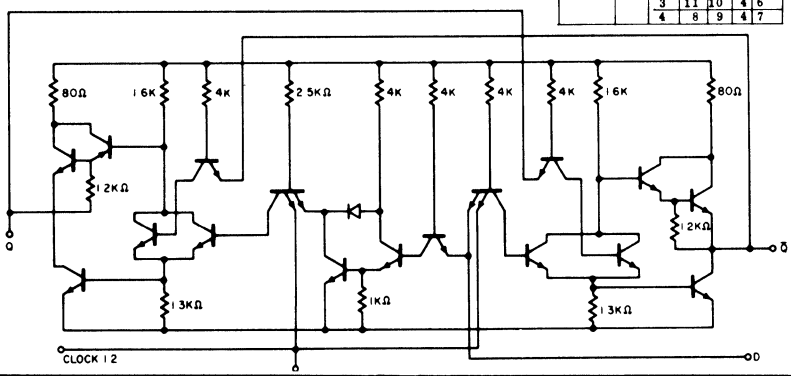


	PKG	CKT	D	T	R_D	S_D	Q	$\bar{Q}$	VCC	COM
B08-16	FP	1	2	1	3	14	13	12	4	11
		2	6	7	5	8	9	10		
	MP	1	2	3	1	4	5	6	14	7
		2	12	11	13	10	9	8		

B08-17

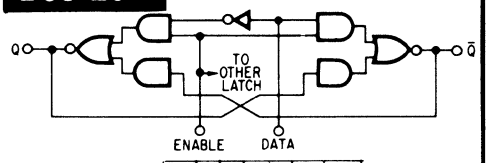


B08-19



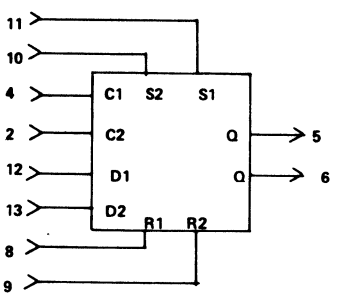
	PKG	CKT	$\bar{Q}$	Q	C	D
B08-19	MP	1	1	16	13	2
		2	14	15	13	3
		3	11	10	4	6
		4	8	9	4	7

B08-20



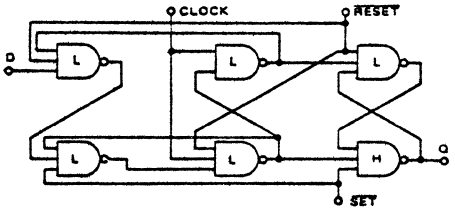
	CKT	Q	E	D	$\bar{Q}$	VCC	GND
B08-20	1	4	15	2	3	16	8
	2	5	15	1	6	16	8
	3	11	7	13	12	16	8
	4	10	7	14	9	16	8

B08-21

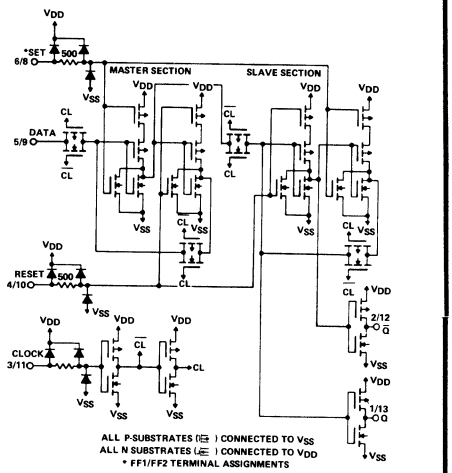


B08-22

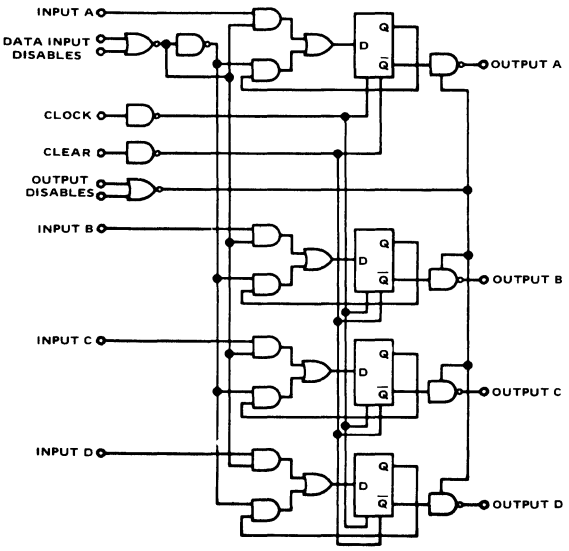
	CKT NO.	D	C	R	S	Q
B08-22	1	2	13	3	4	6
	2	1	13	3	5	7
	3	15	13	3	11	9
	4	4	13	3	12	10



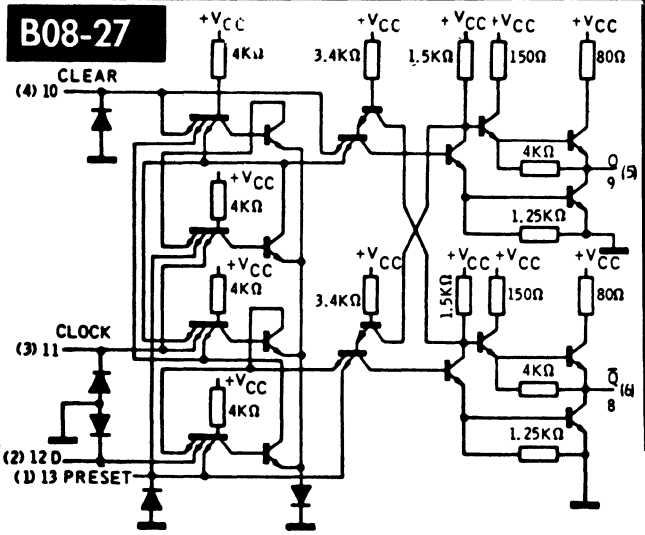
B08-23

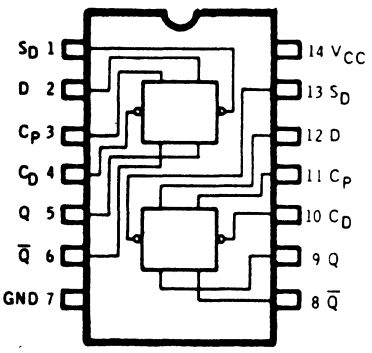


B08-24

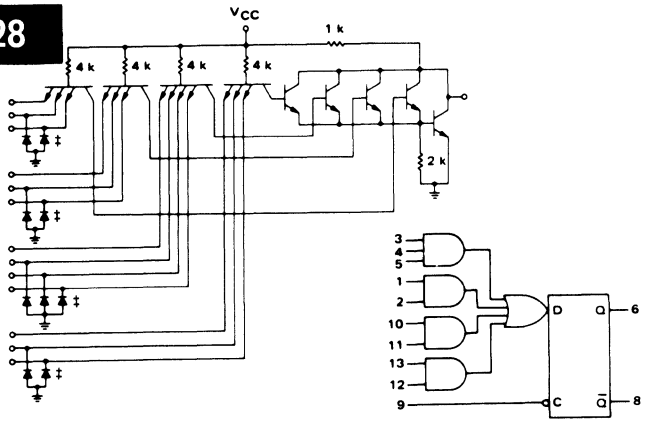


B08-27

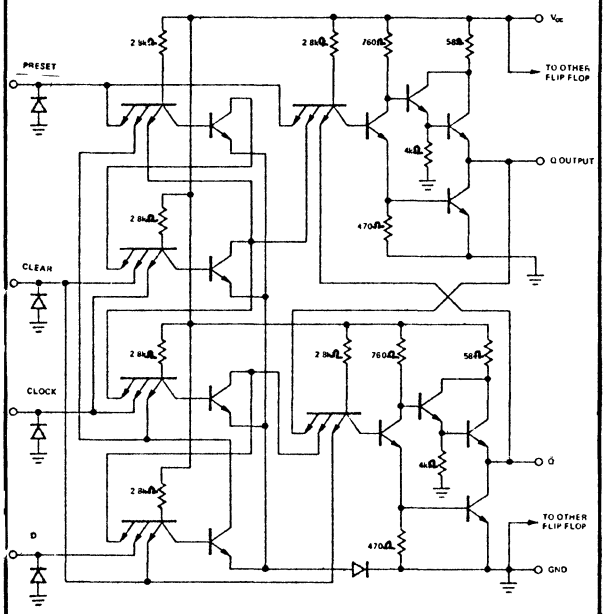




B08-28

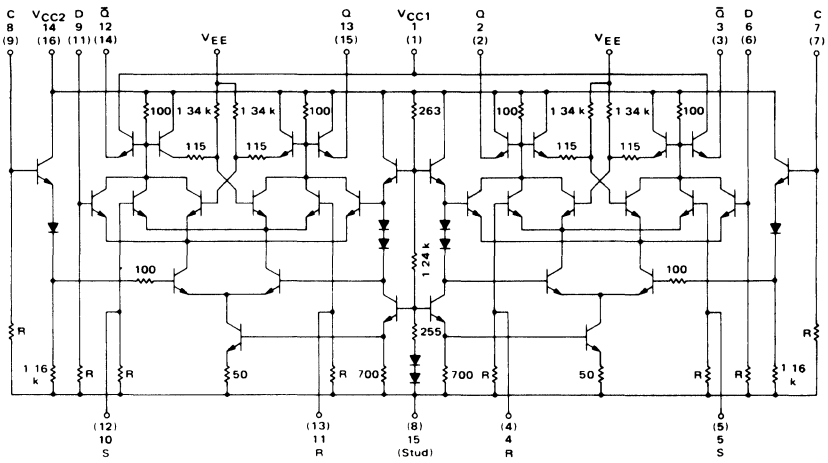


B08-31



	PKG	CKT	RD	D	$\overline{CK}$	SD	$\overline{Q}$	Q	GND	VCC
B08-31	M	1	1	2	3	4	6	5	7	14
		2	13	12	11	10	8	9		
	PP	1	3	2	1	14	12	13	11	4
		2	5	6	7	8	10	9		

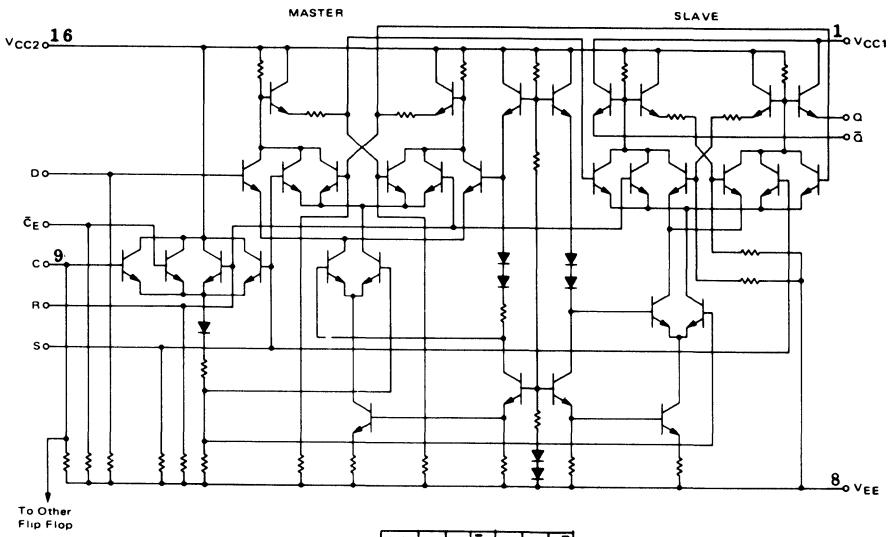
B08-32



Numbers at ends of terminals denote pin numbers for S package
Numbers in parenthesis denote pin numbers for L Package

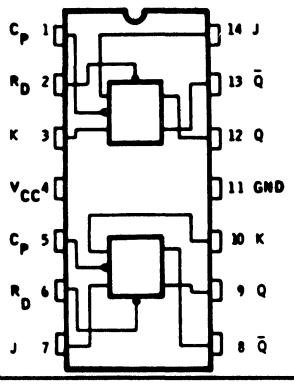
R=50k for high Z
2k for low Z

B08-33

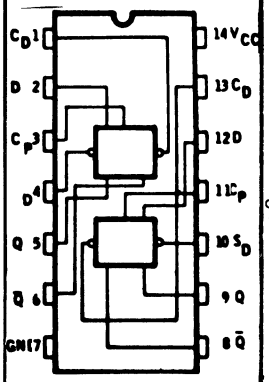


	CKT	S1	R	$\overline{C}_E$	D	Q	$\overline{Q}$
B08-33	1	5	4	6	7	2	3
	2	12	13	11	10	15	14

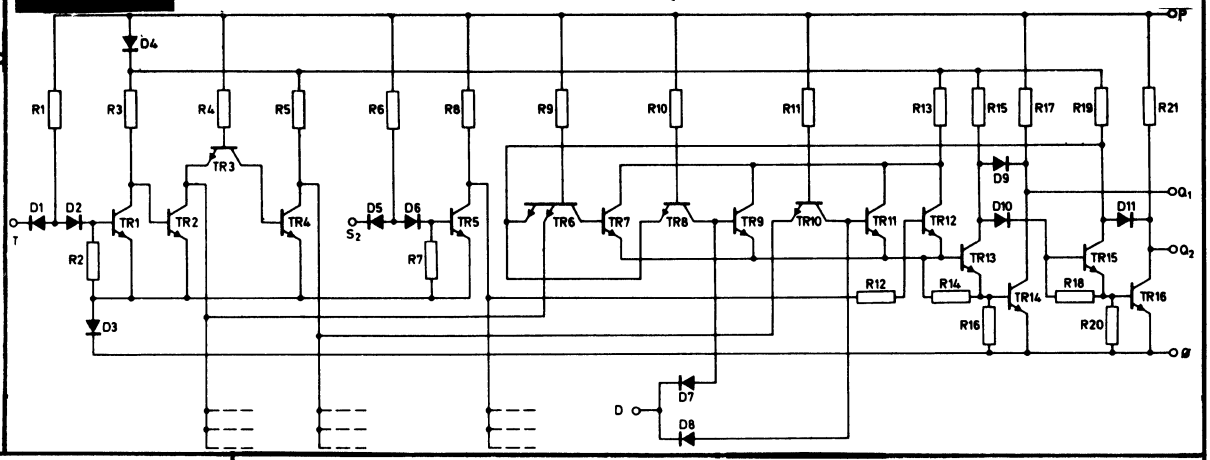
B08-35



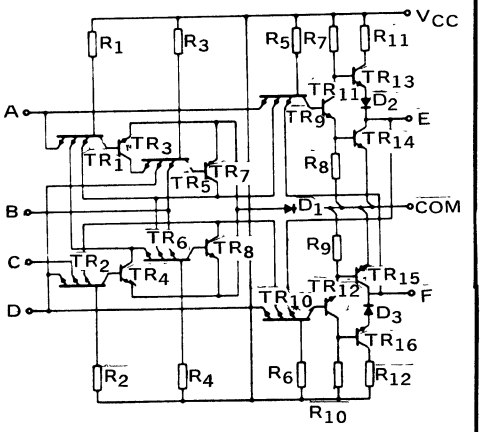
B08-36



B08-37

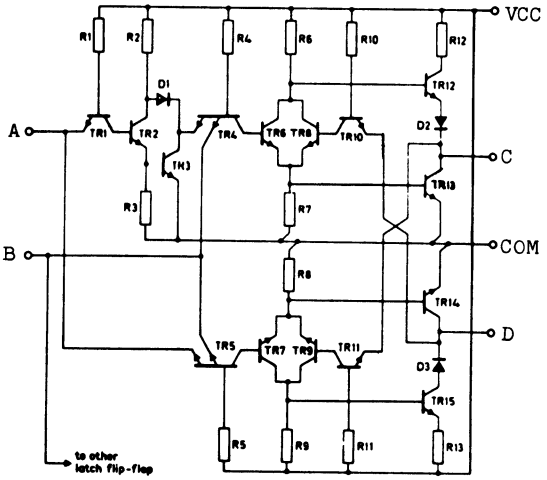


B08-38



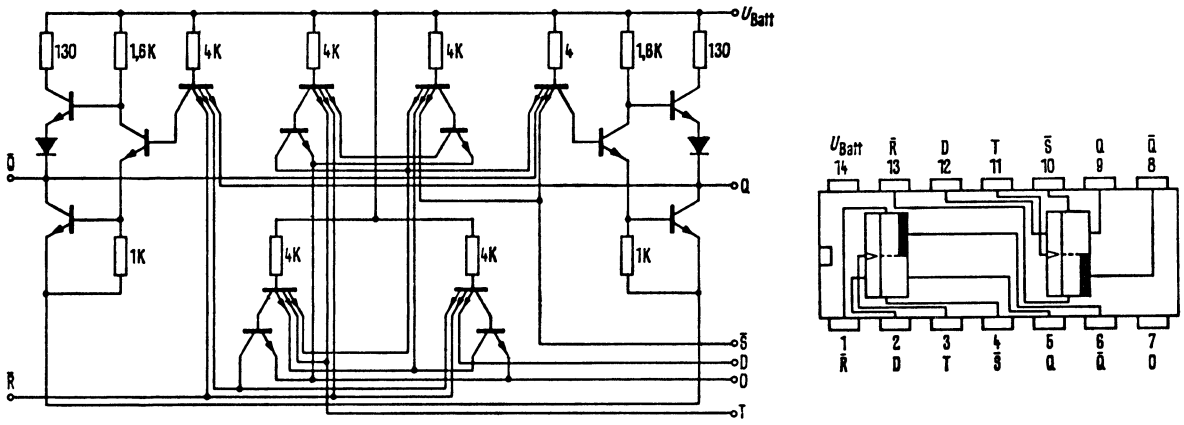
	CKT	A	B	C	D	E	F	COM	VCC
B08-38	1	4	3	2	1	5	6	7	14
	2	10	11	12	13	9	8		

B08-39

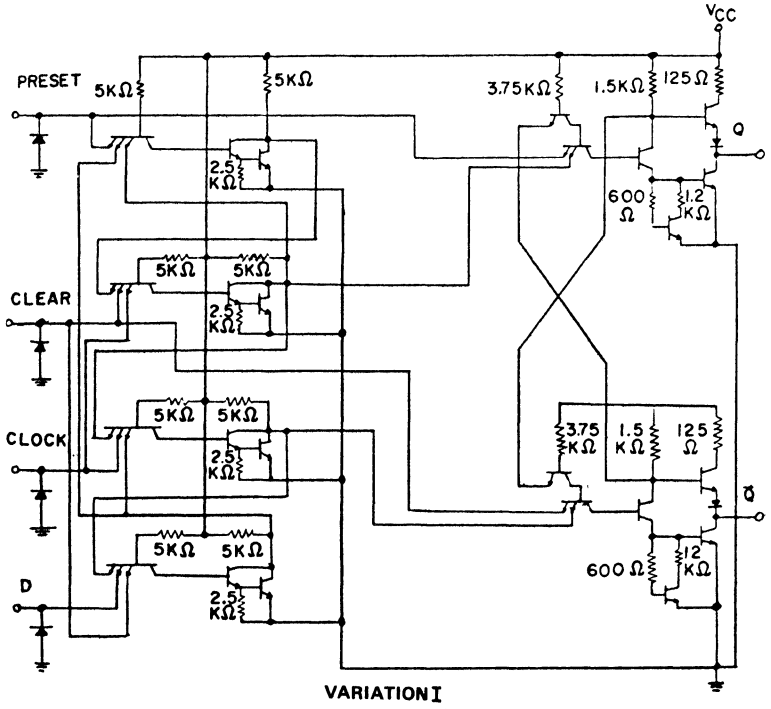


	CKT	A	B	C	D	VCC	COM
B08-39	1	2	13	16	1	5	12
	2	3		15	14		
	3	6	4	10	11		
	4	7		9	8		

B08-40

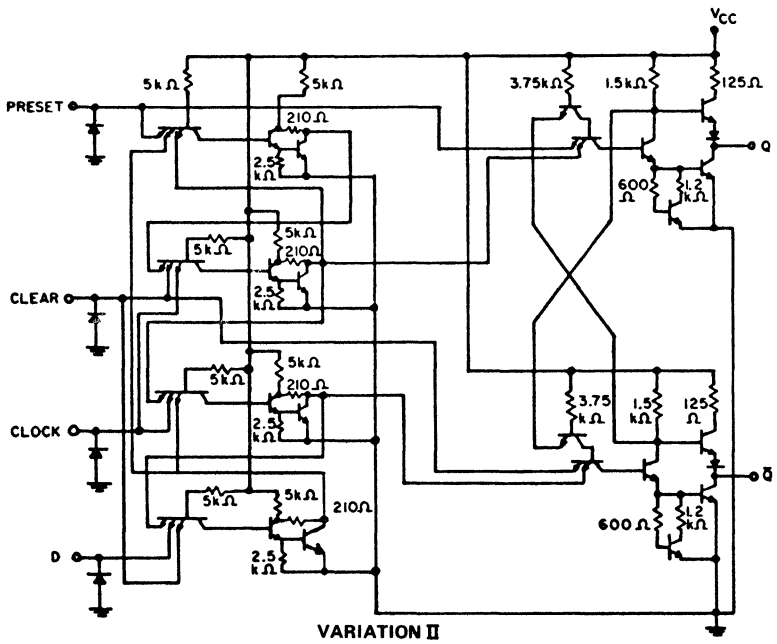


B08-41



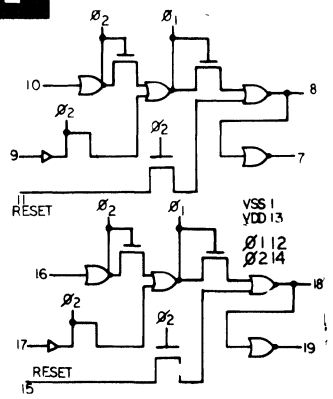
VARIATION I

	PKG	CKT	PRESET	CLEAR	CLOCK	D	Q	$\bar{Q}$	VCC	GND
B08-41	FP	1	14	3	1	2	12	13	4	11
		2	8	5	7	6	10	9		
	M	1	4	1	3	2	6	5	14	7
		2	10	13	11	12	8	9		

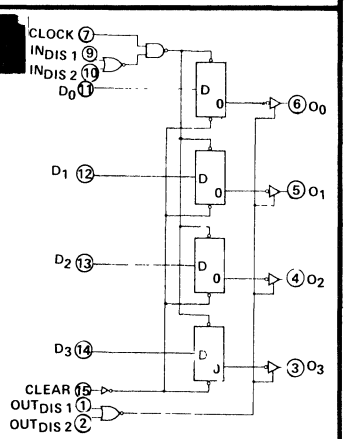


VARIATION II

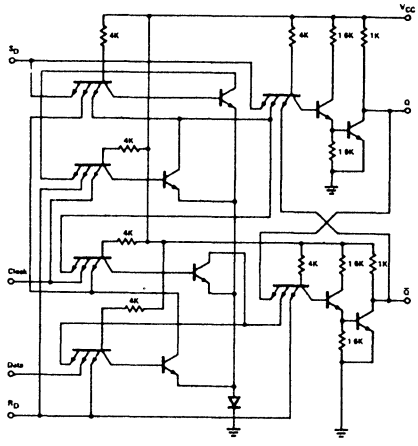
B08-42



B08-43



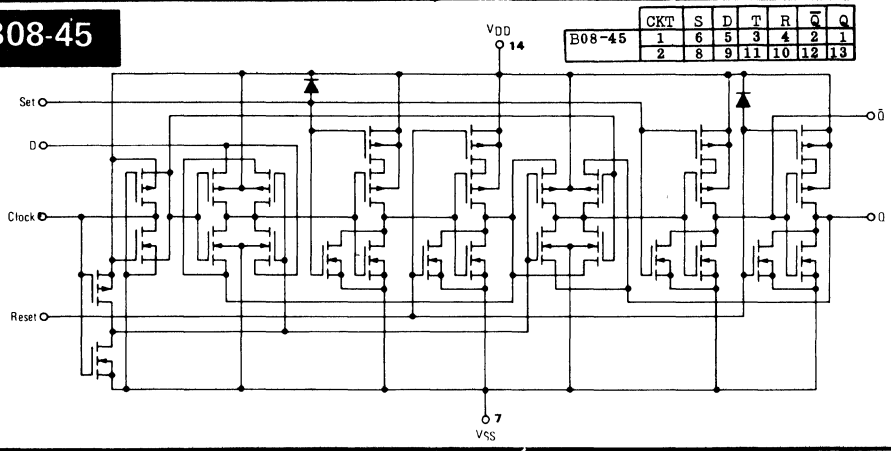
B08-44



	CKT	SD	T	DATA	RD	Q	$\bar{Q}$	VCC	GND
B08-44	1	4	5	6	7	3	2	8	1
	2	12	11	10	9	13	14		

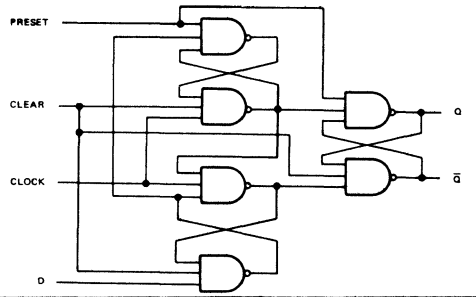
B08-45

	CKT	S	D	T	R	$\bar{Q}$	Q
B08-45	1	6	5	3	4	2	1
	2	8	9	11	10	12	13

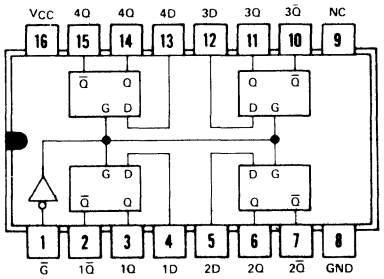


B08-46

	PKG	CKT NO.	PRESET	CLEAR	CLOCK	D	Q	$\bar{Q}$	VCC	GND
B08-46	FP	1	14	3	1	2	13	12	4	11
		2	8	5	7	6	9	10		
	M	1	4	1	3	2	5	6	14	7
		2	10	13	11	12	9	8		
B08-46a	FP	1	19	3	1	2	17	18	4	16
		2	13	5	7	6	15	14		

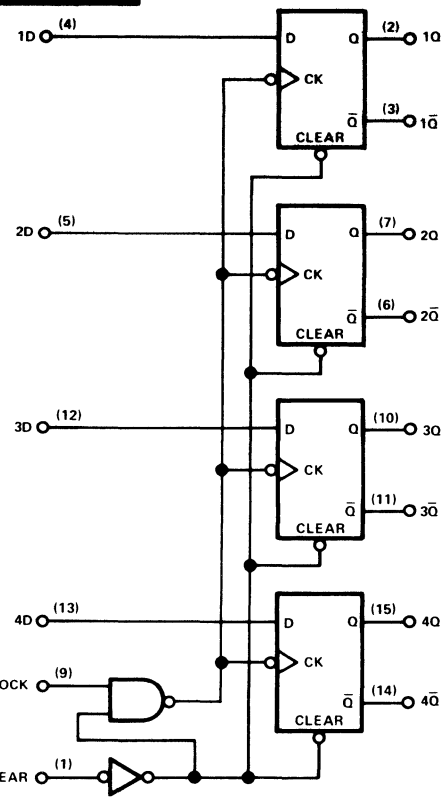


B08-47



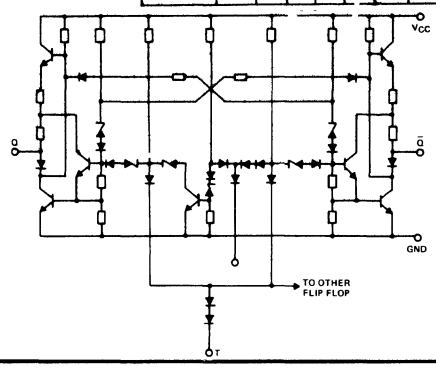
B08-49

Pin (16) = V_{CC}, Pin (8) = GND

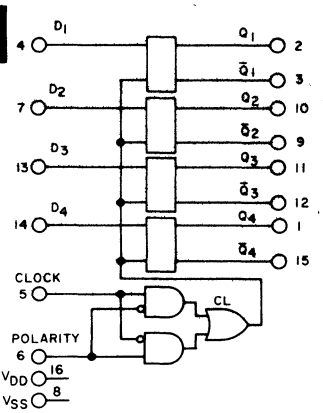


B08-51

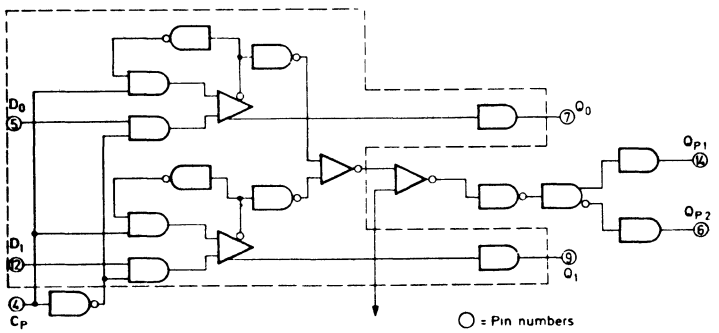
	CKT	D	Q	$\bar{Q}$	T	VCC	GND
B08-51	1	3	2	1	4	16	8
	2	5	6	7	4		
	3	11	10	9	12		
	4	13	14	15	12		



B08-52

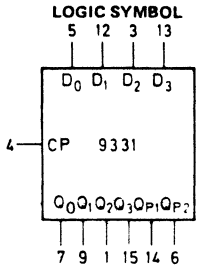


B08-53



Note: Logic within dashed line to be repeated for complete circuit.

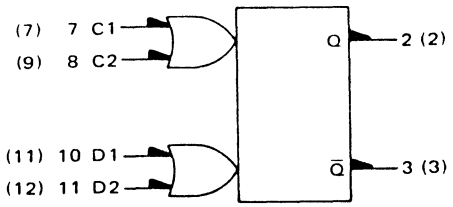
LOGIC SYMBOL



V_{CC} = Pin 16
GND = Pin 8

B08-54

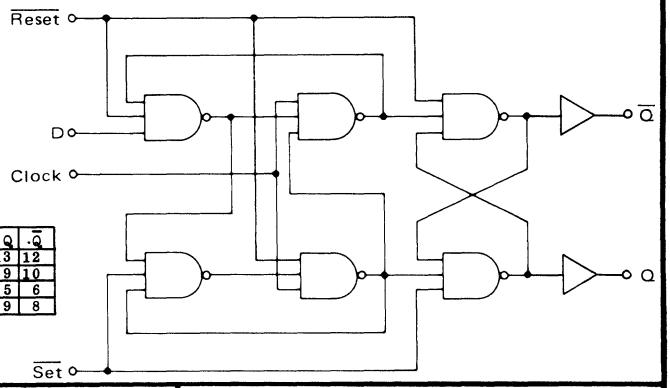
	PKG	C1	C2	D1	D2	Q	$\bar{Q}$
B08-54	FP	7	8	10	11	2	3
	M	7	9	11	12	2	3



V_{CC1} = Pin 1 (1)
V_{CC2} = Pin 14 (16)
V_{EE} = Pin 15 (8)
Stud

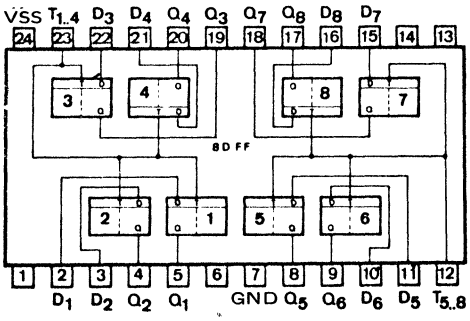
B08-58

1/2 OF DEVICE SHOWN



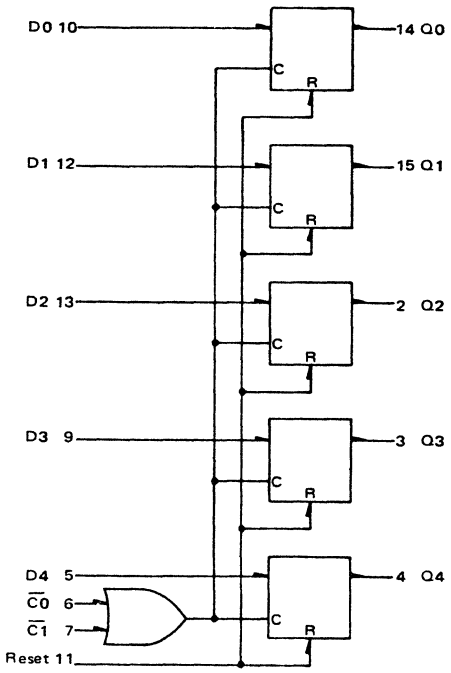
	PKG	CKT	D	C	S	R	Q	$\bar{Q}$
B08-58	FP	1	2	1	14	3	13	12
		2	6	7	8	5	9	10
	M	1	2	3	4	1	5	6
		2	12	11	10	13	9	8

B08-59



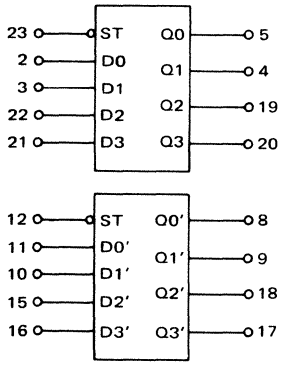
B08-61

V_{CC1} = Pin 1
V_{CC2} = Pin 16
V_{EE} = Pin 8

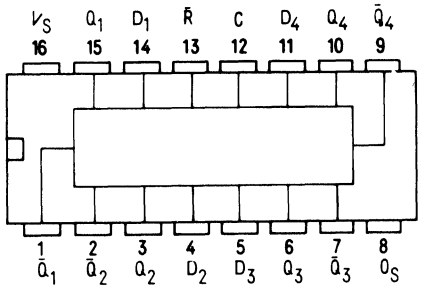


B08-62

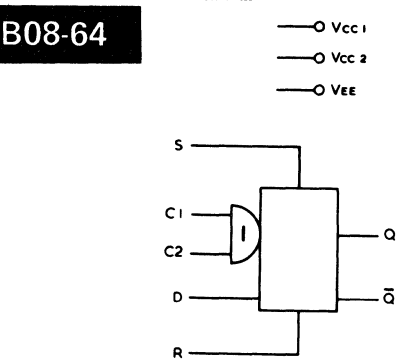
V_{CC} = Pin 24
Gnd = Pin 7



B08-63

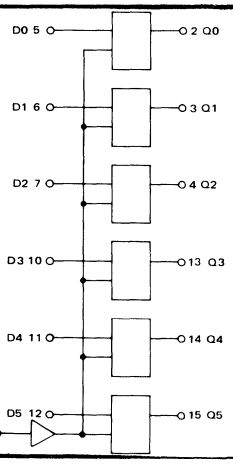


B08-64



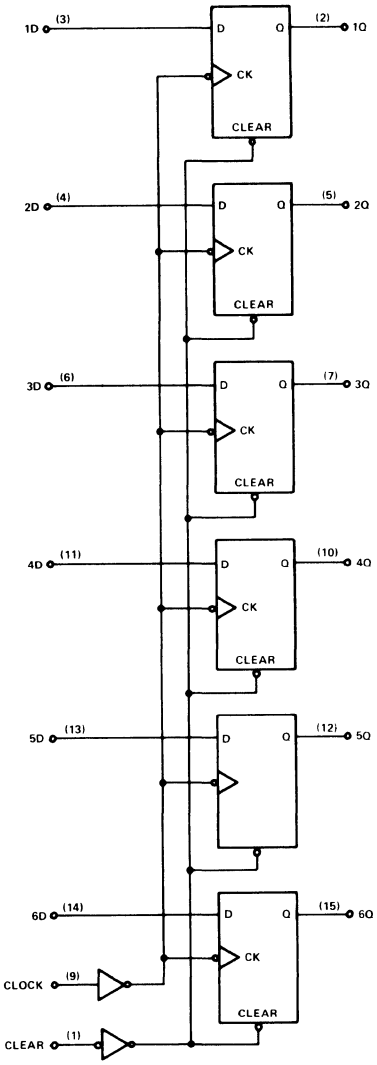
	S	C 1	C 2	D	R	Q	$\bar{Q}$	VCC 1	VCC 2	VEE
B08-64	5	7	8	10	4	2	3	1	14	15
B08-64a	5	7	9	11	14	2	3	1	16	8

B08-65

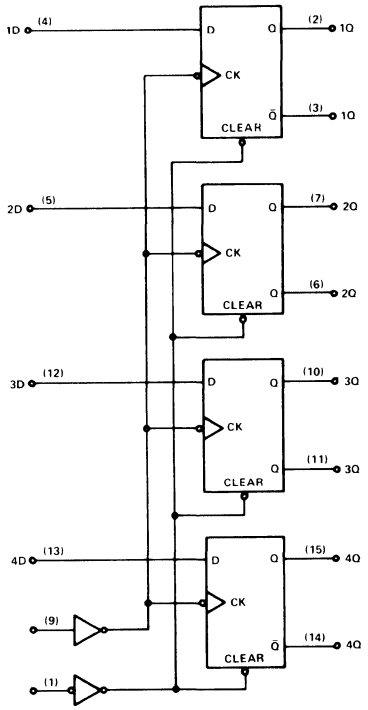


V_{CC1} = Pin 1
V_{CC2} = Pin 16
V_{EE} = Pin 8

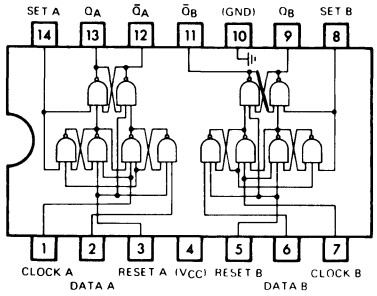
B08-66



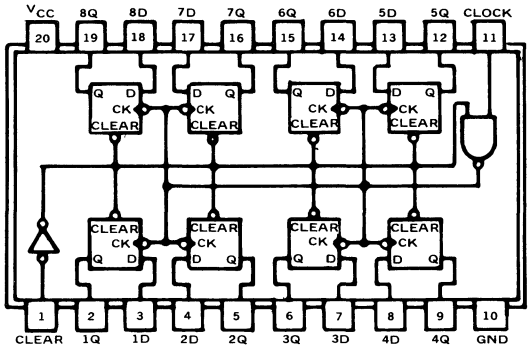
B08-67



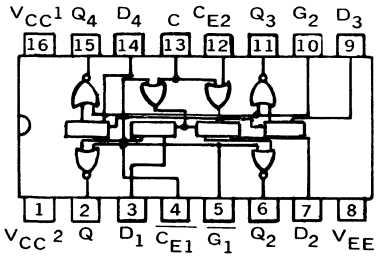
B08-68



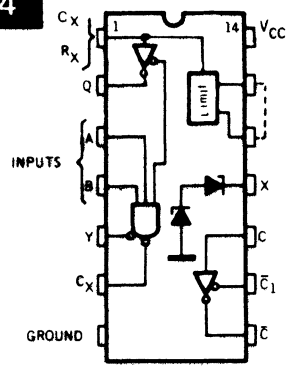
B08-69



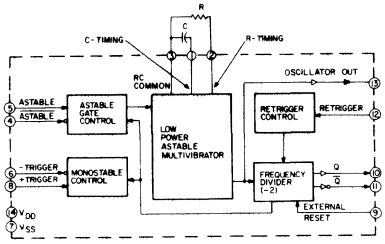
B08-70



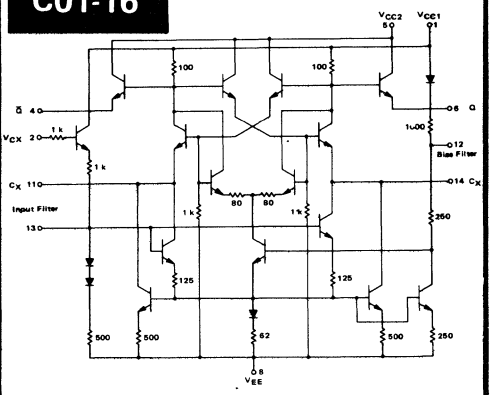
C01-14



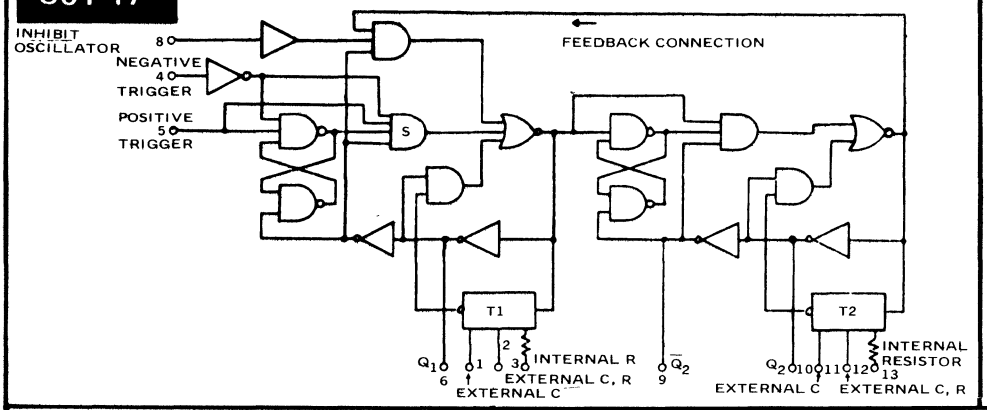
C01-15



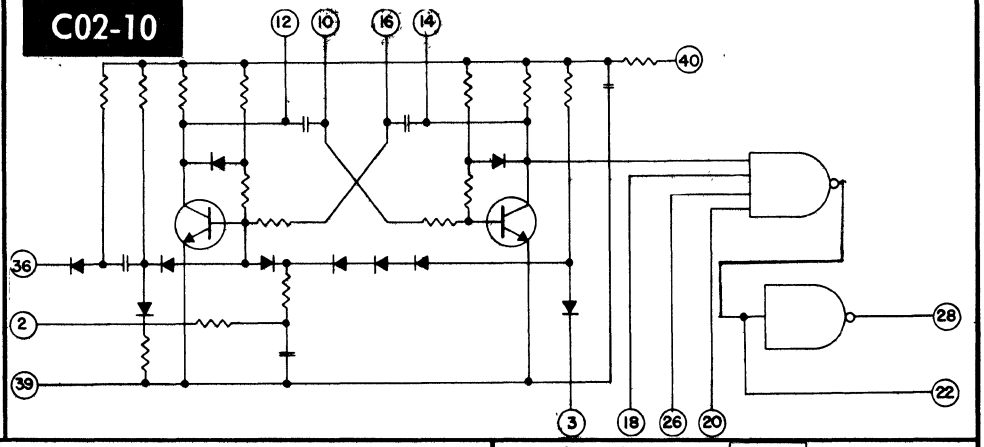
C01-16



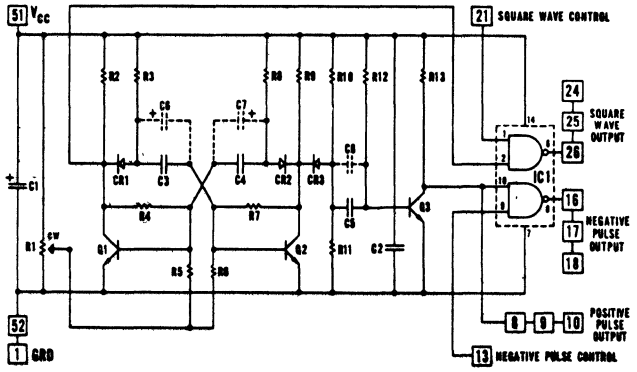
C01-17



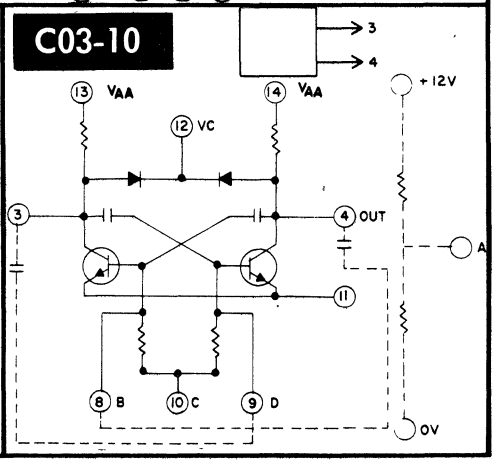
C02-10



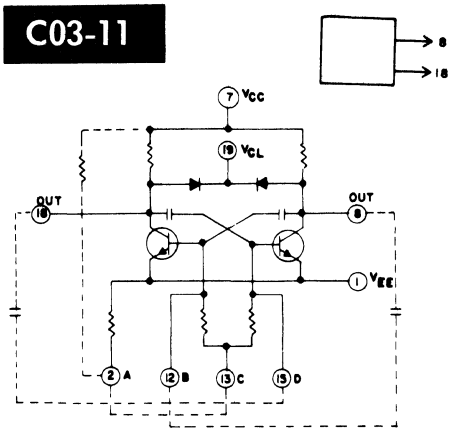
C02-11



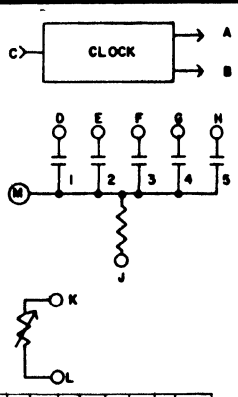
C03-10



C03-11



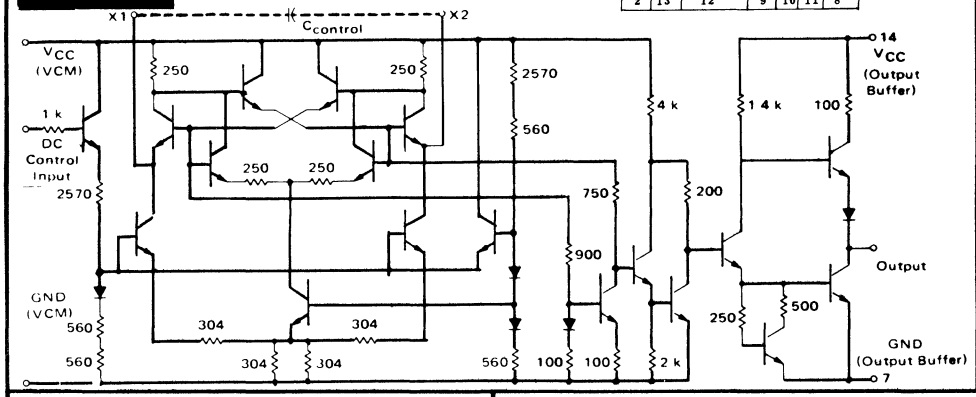
C03-17



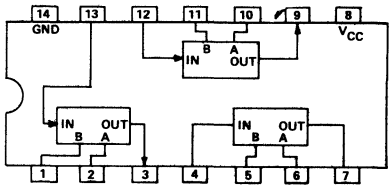
	A	B	C	D	E	F	G	H	J	K	L	M
C03-17	D	E	N	J	K	L			P	U		H

C03-23

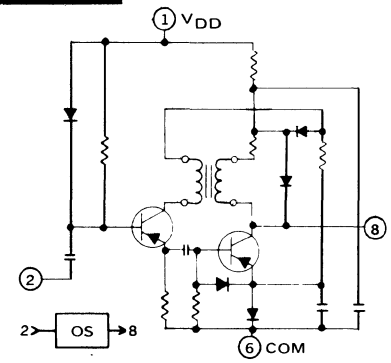
CKT	V_{CC}	DC CONT. IN.	GND	X1	X2	OUT
1	1	2	5	4	3	6
2	13	12	9	10	11	8



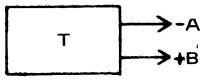
C03-24



C04-9

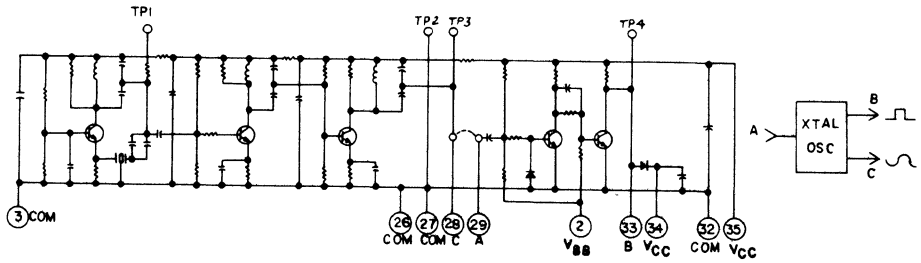


C04-15

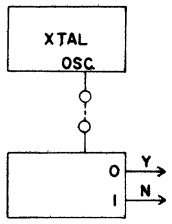


	A	B
C04-15a	D	E
C04-15b	D	C

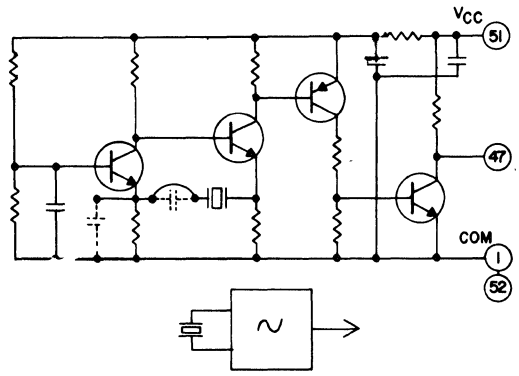
C04-25



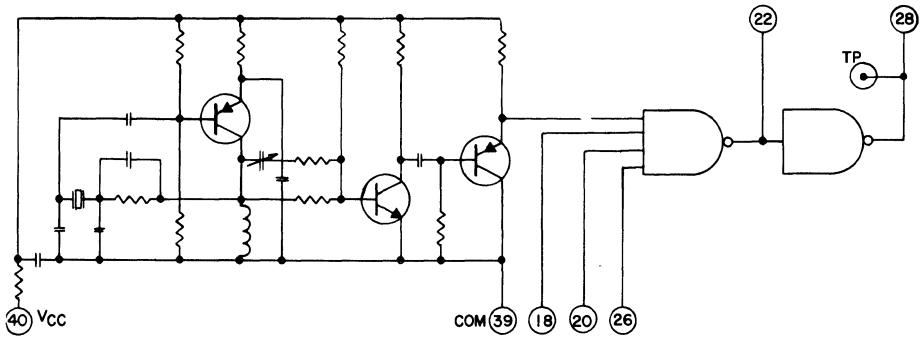
C04-29

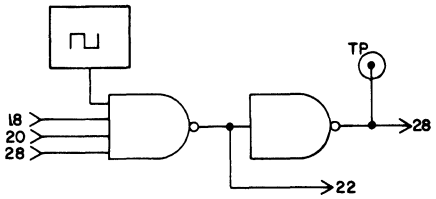


C04-30

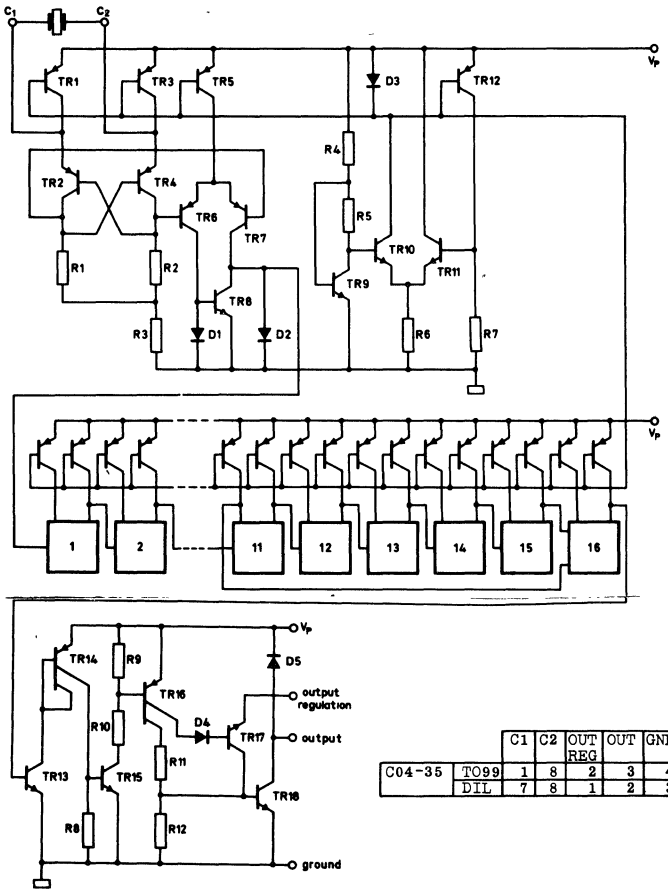


C04-34



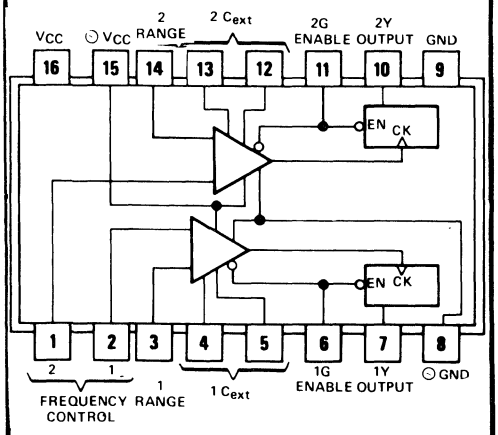


C04-35

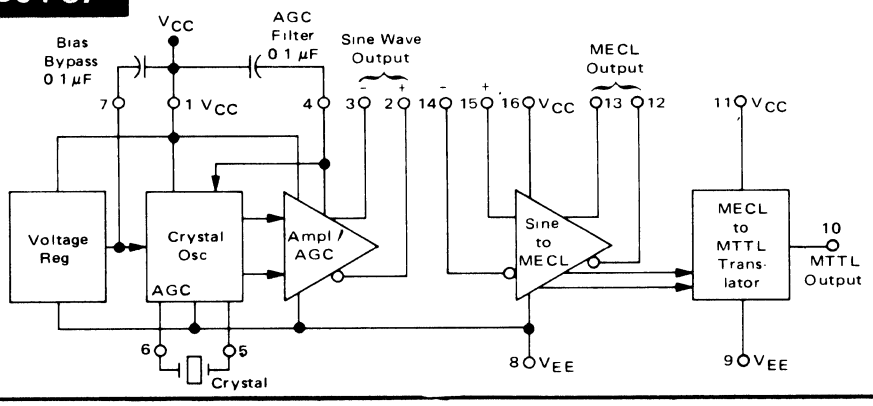


		C1	C2	OUT REG	OUT	GND	VP
C04-35	TO99	1	8	2	3	4	5
	DIL	7	8	1	2	3	4

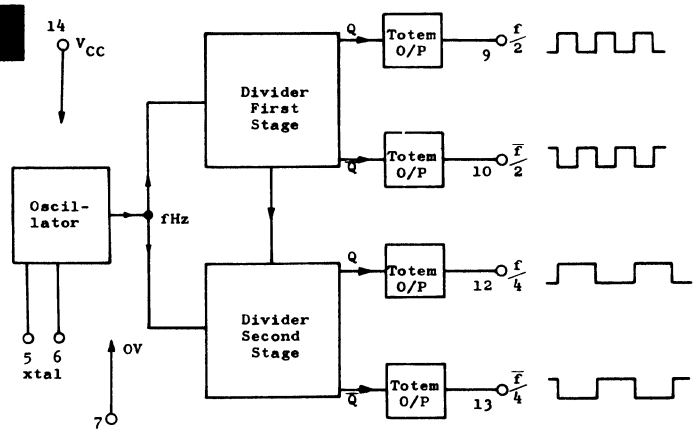
C04-36



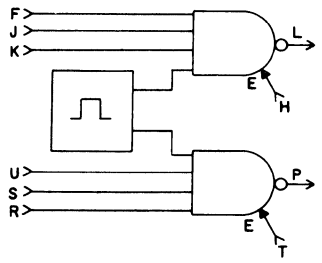
C04-37



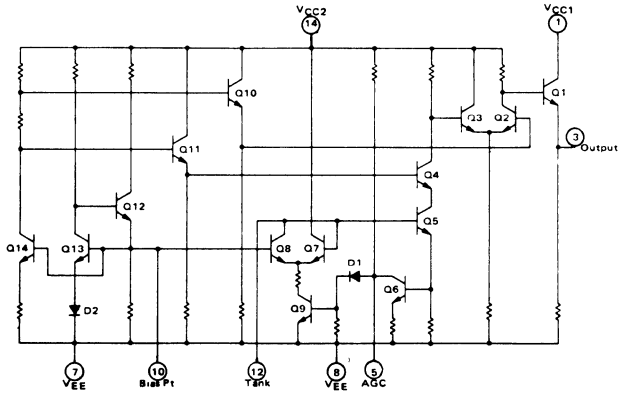
C04-38



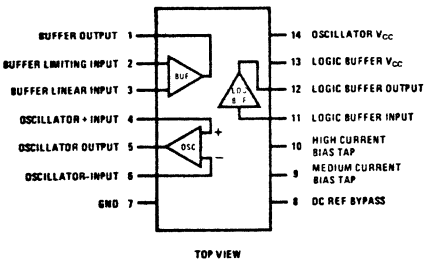
C06-6



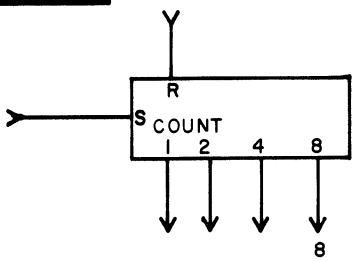
C06-12



C06-13

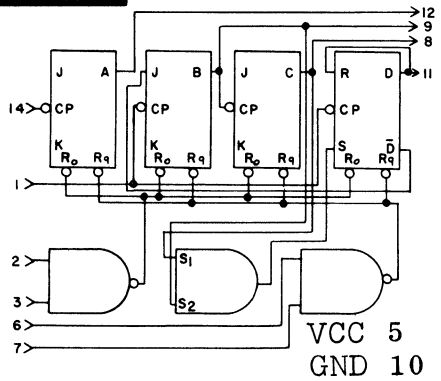


E01-10

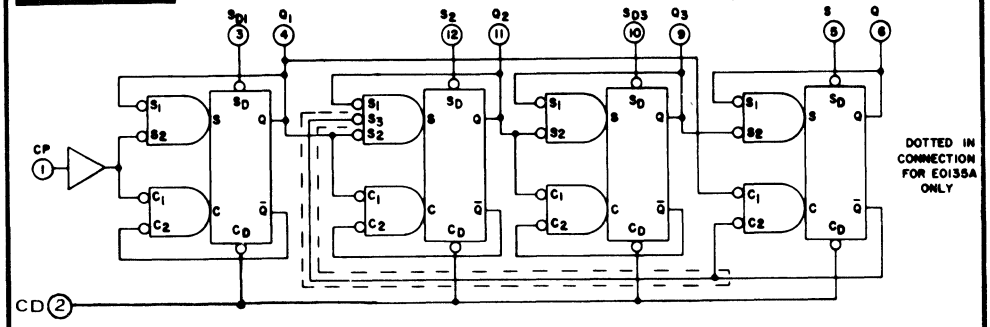


PKG	S	R	1	2	4	8	COM	VCC
CN	5	6	3	2	1	8	4	7
FP	9	12	5	4	3	2	7	14

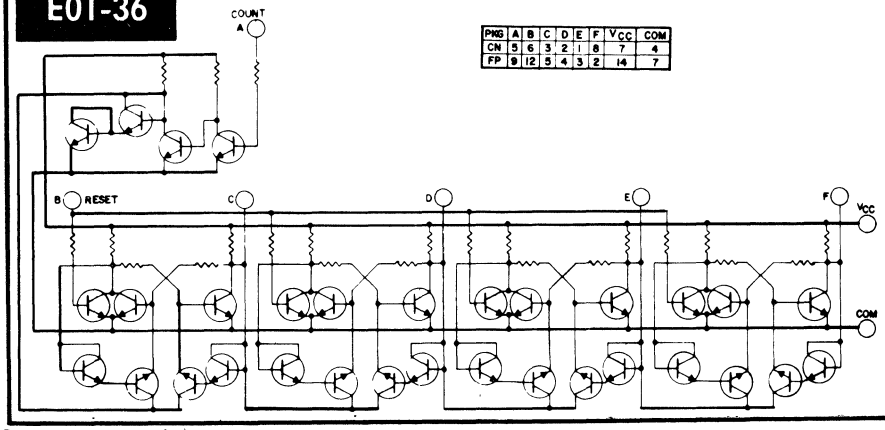
E01-31



E01-35

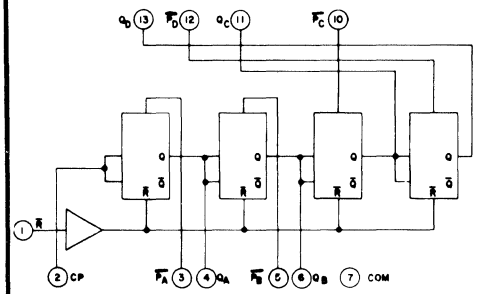


E01-36

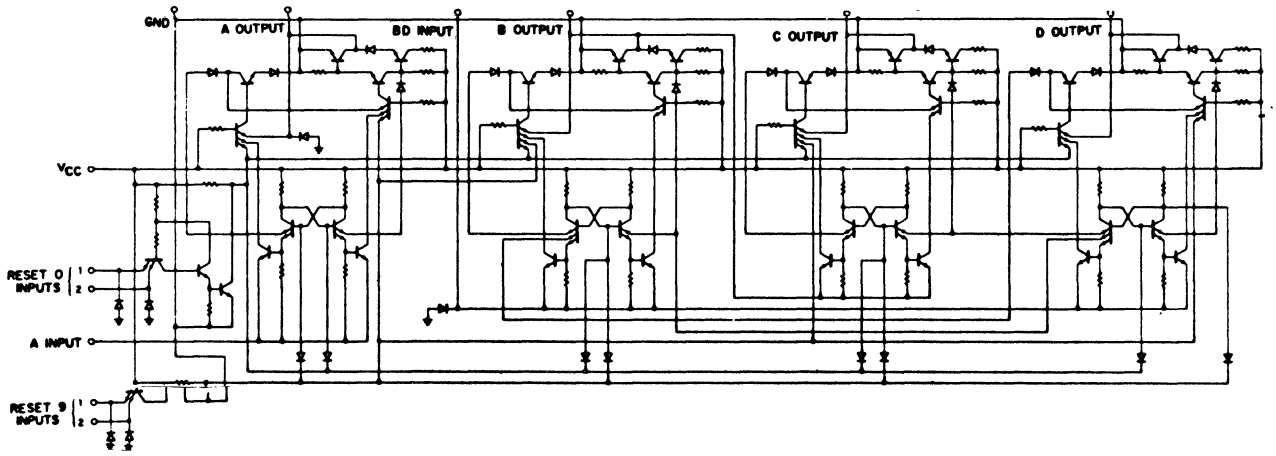


PKG	A	B	C	D	E	F	V_{CC}	COM
CN	5	6	3	2	1	8	7	4
FP	9	12	5	4	3	2	14	7

E01-37

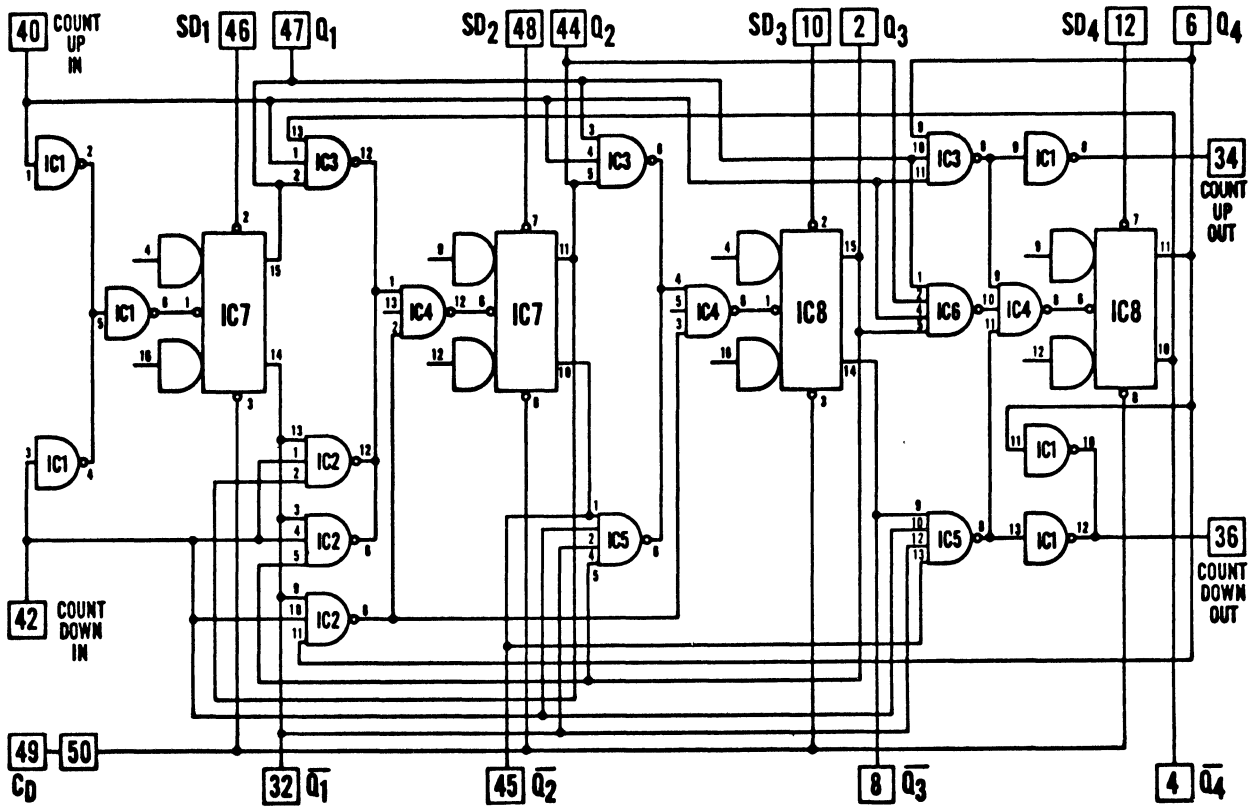


E01-40

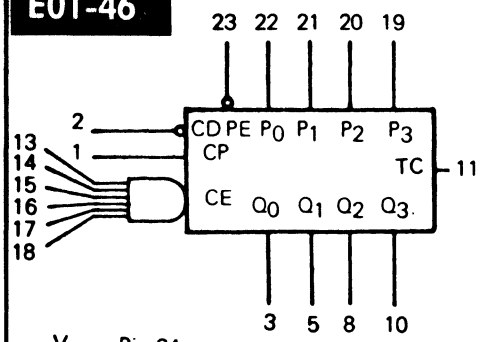


	PKG	A_{IN}	A_{OUT}	D	B	C	B_D	Ro(1)	Ro(2)	R9(1)	R9(2)	V_{CC}	GND
E01-40	MP	14	12	11	9	8	1	2	3	6	7	5	10
	FP	14	12	D	9	8	1	2	3	6	7	5	10

E01-43



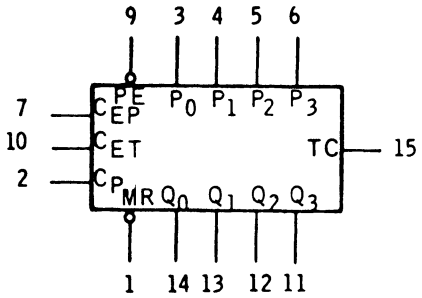
E01-46



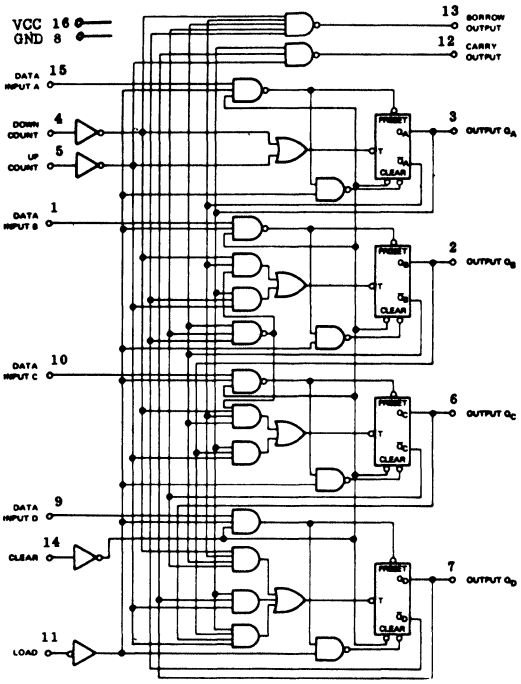
V_{CC} - Pin 24
GND - Pin 12

E01-47

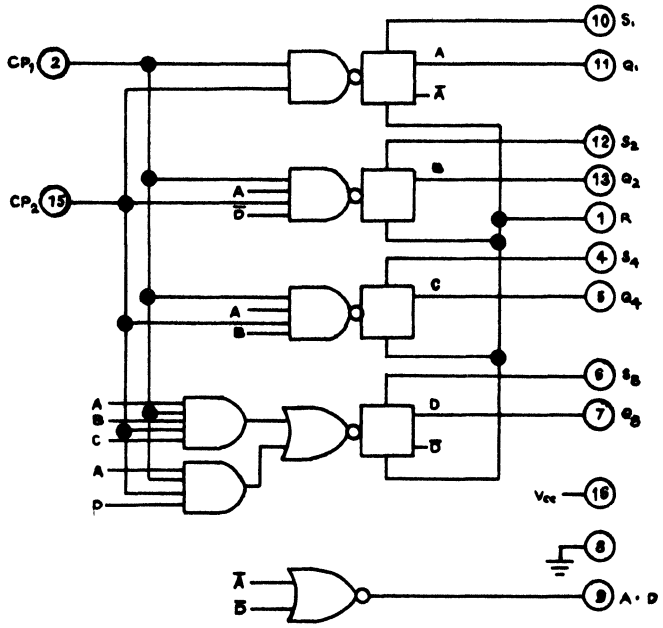
V_{CC} = pin 16
GND = pin 8



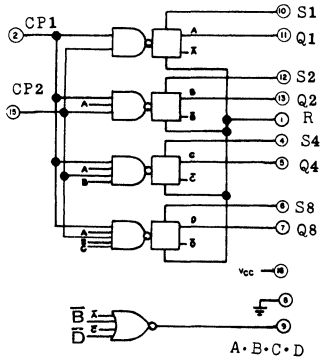
E01-48



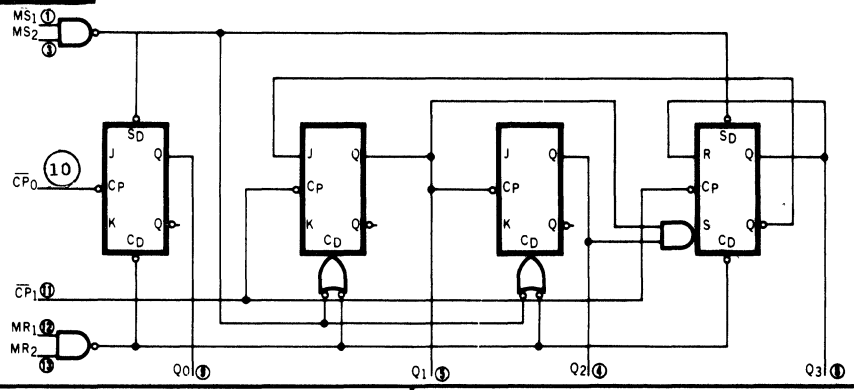
E01-49



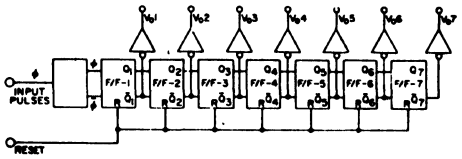
E01-50



E01-51

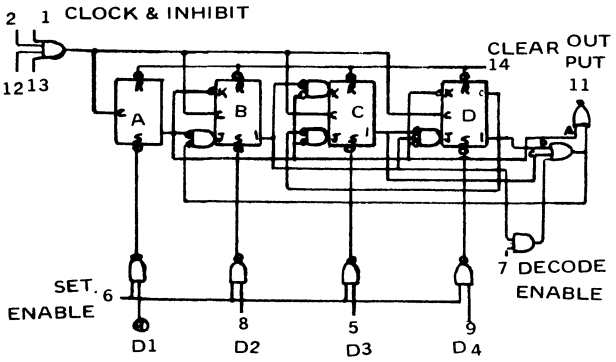


E01-54

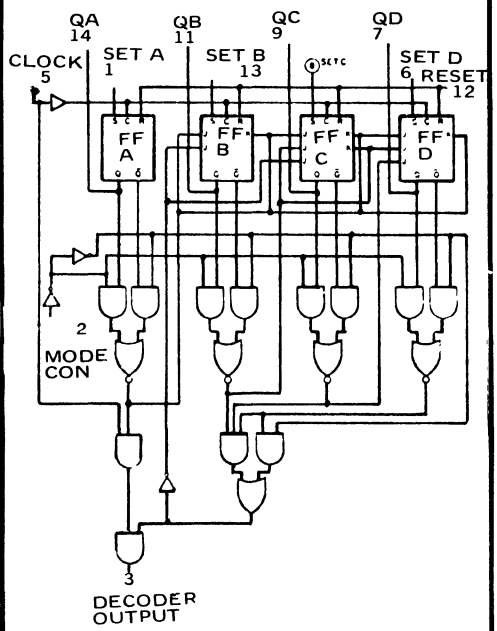


	Input P	RESET	Vo1	Vo2	Vo3	Vo4	Vo5	Vo6	Vo7	VDD	VSS
E01-54	1	2	12	11	9	6	5	4	3	14	7
E01-54a	1	3	11	10	9	7	6	5	4	2	12

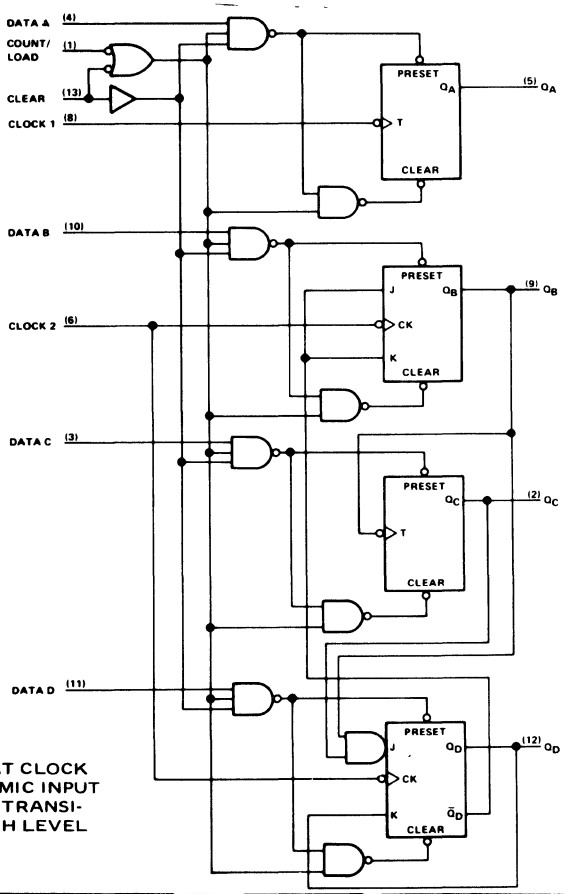
E01-55



E01-56

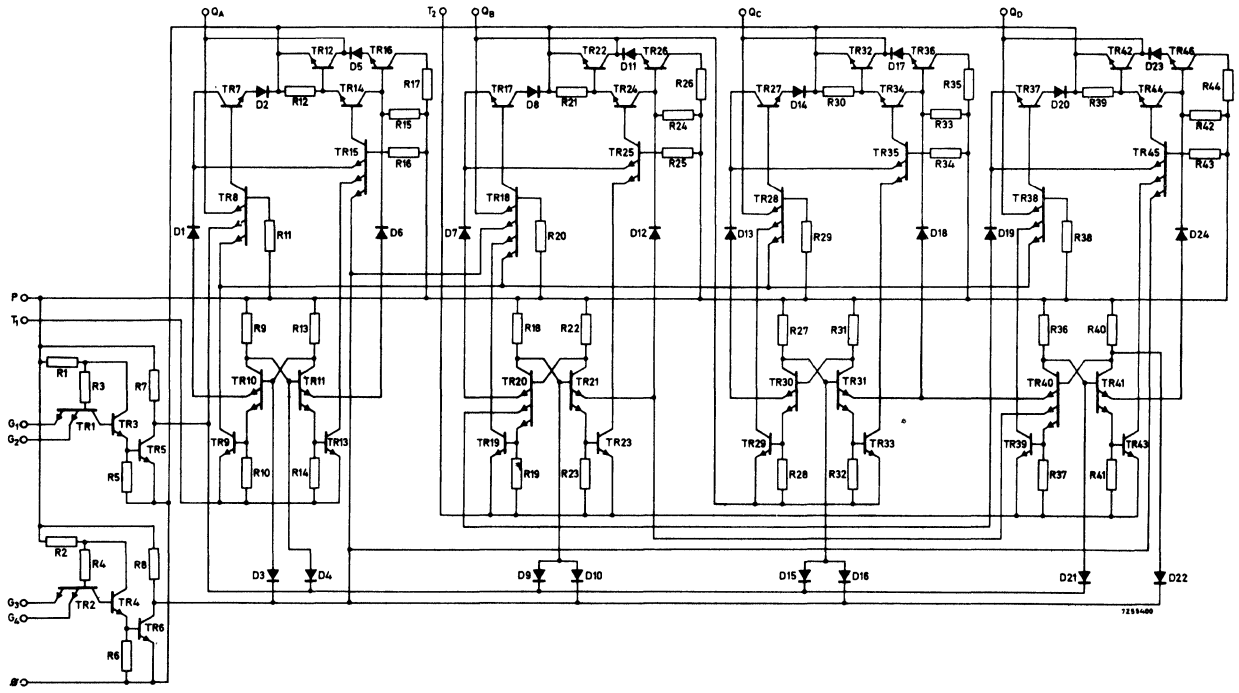


E01-57

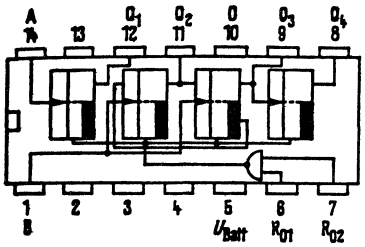


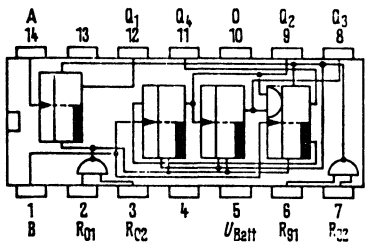
E01-57a — T AT CLOCK INDICATES DYNAMIC INPUT ACTIVATED BY A TRANSITION FROM A HIGH LEVEL TO A LOW LEVEL.

E01-59

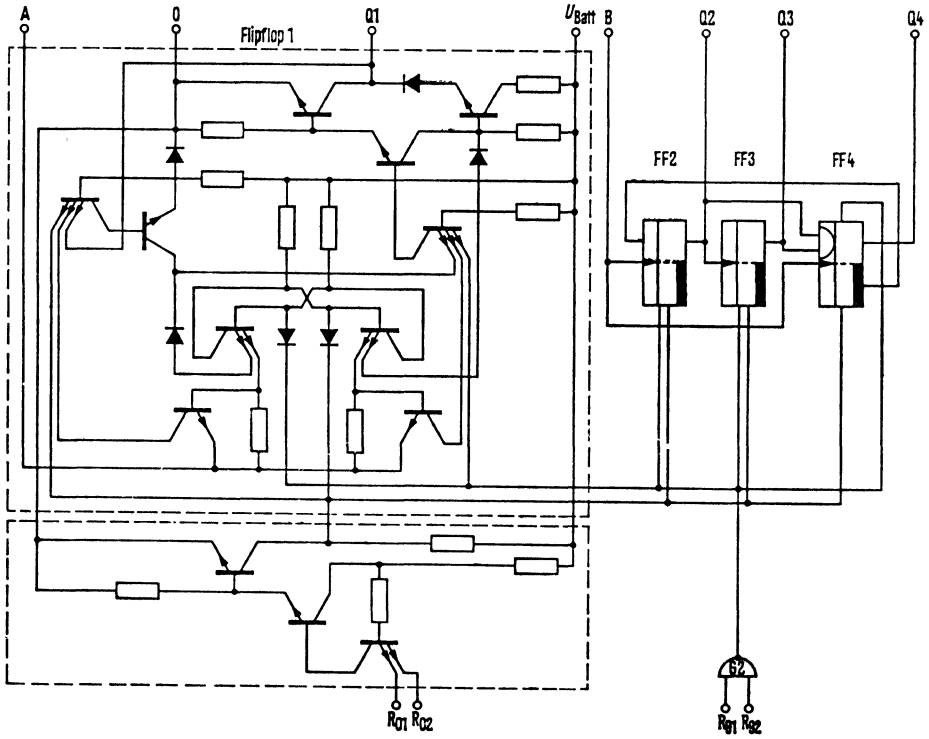


E01-60

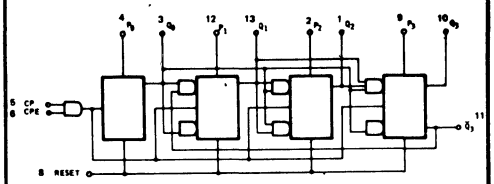




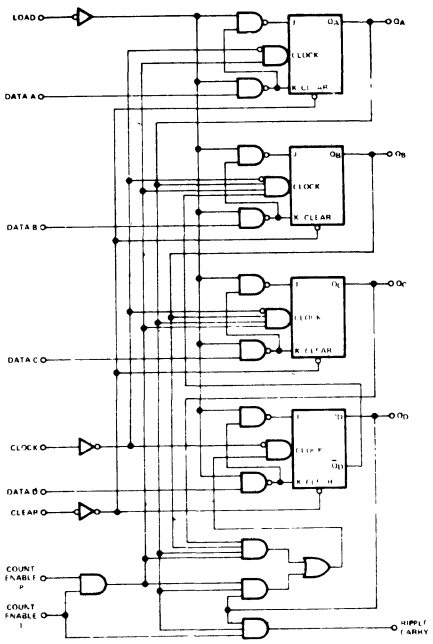
E01-61



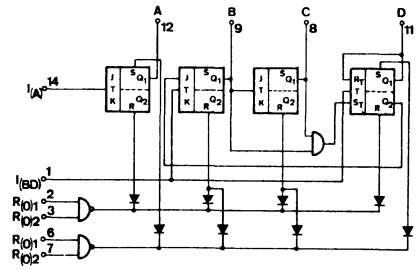
E01-62



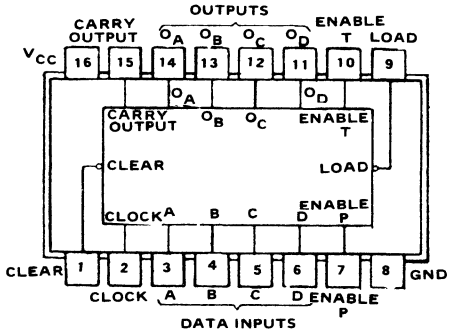
E01-64



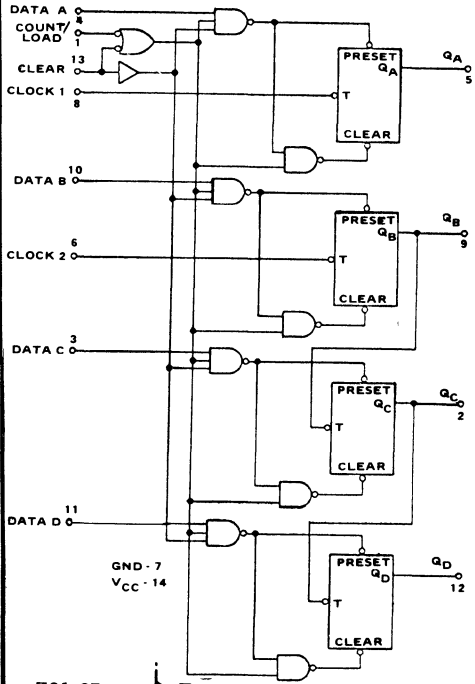
E01-65



E01-66

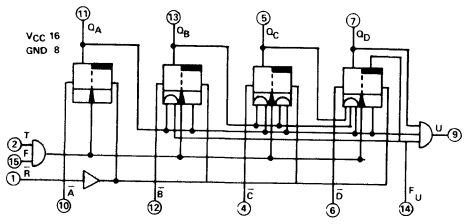


E01-67

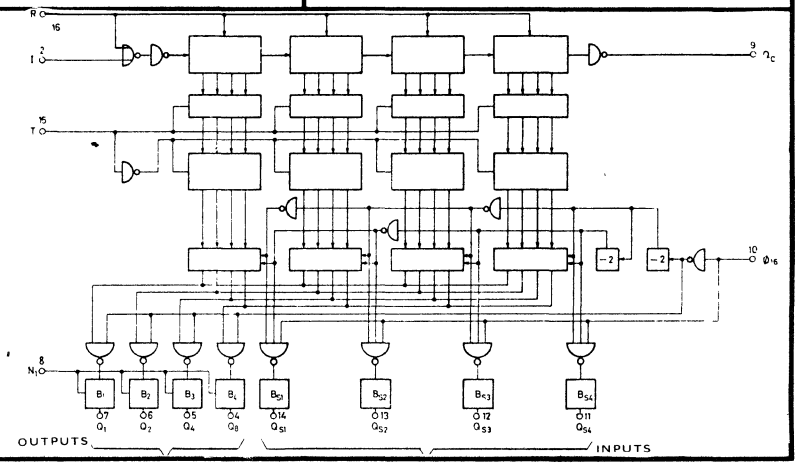


E01-67a — T AT CLOCK INDICATES DYNAMIC INPUT ACTIVATED BY A TRANSITION FROM A HIGH LEVEL TO A LOW LEVEL.

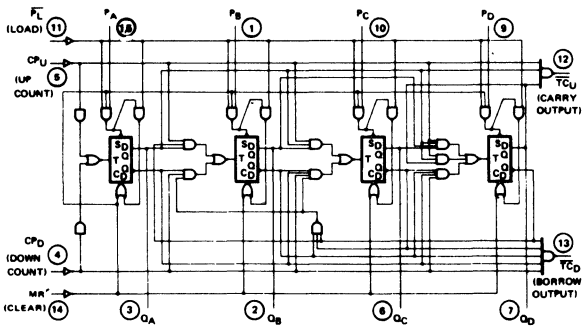
E01-69



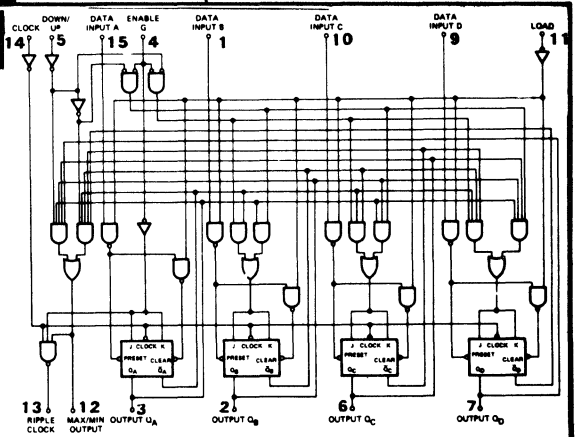
E01-70



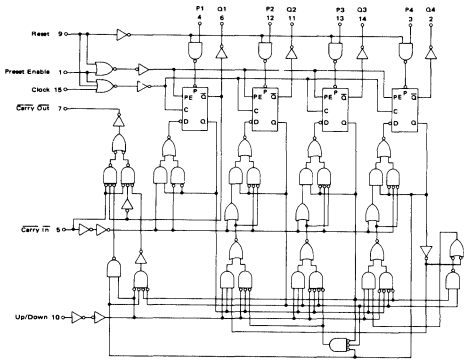
E01-71



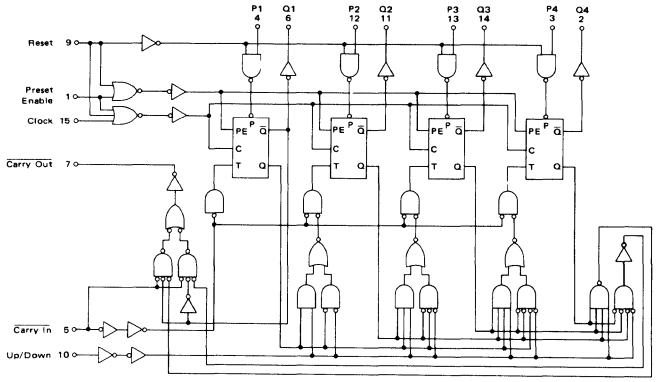
E01-72



E01-73

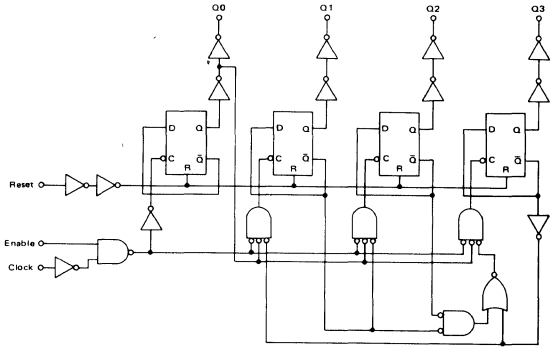


E01-74

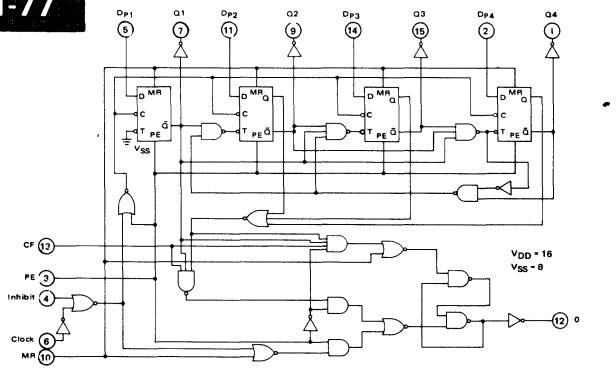


E01-75

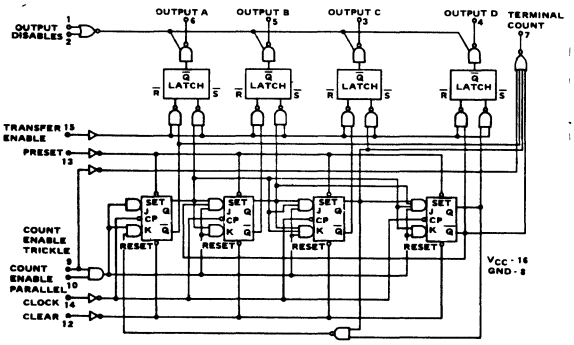
	CKT	C	EN	R	Q 0	1	2	3
E01-75	1	1	2	7	3	4	5	6
	2	9	10	15	11	12	13	14



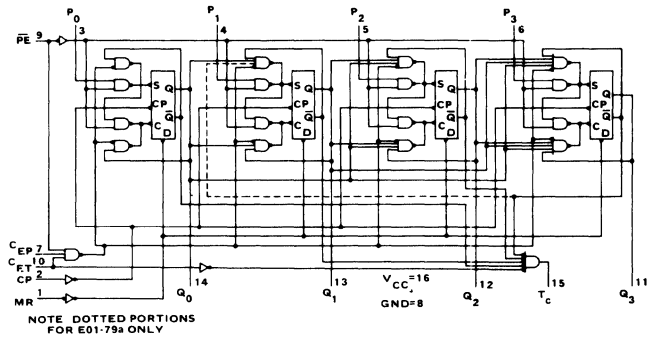
E01-77



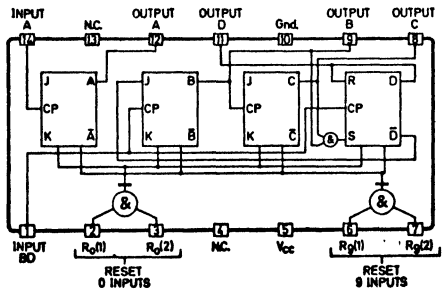
E01-78



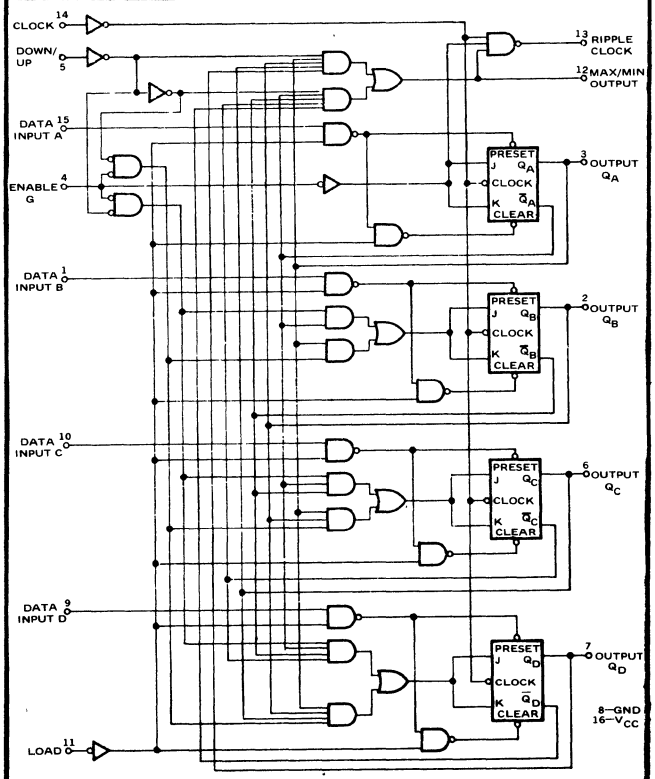
E01-79



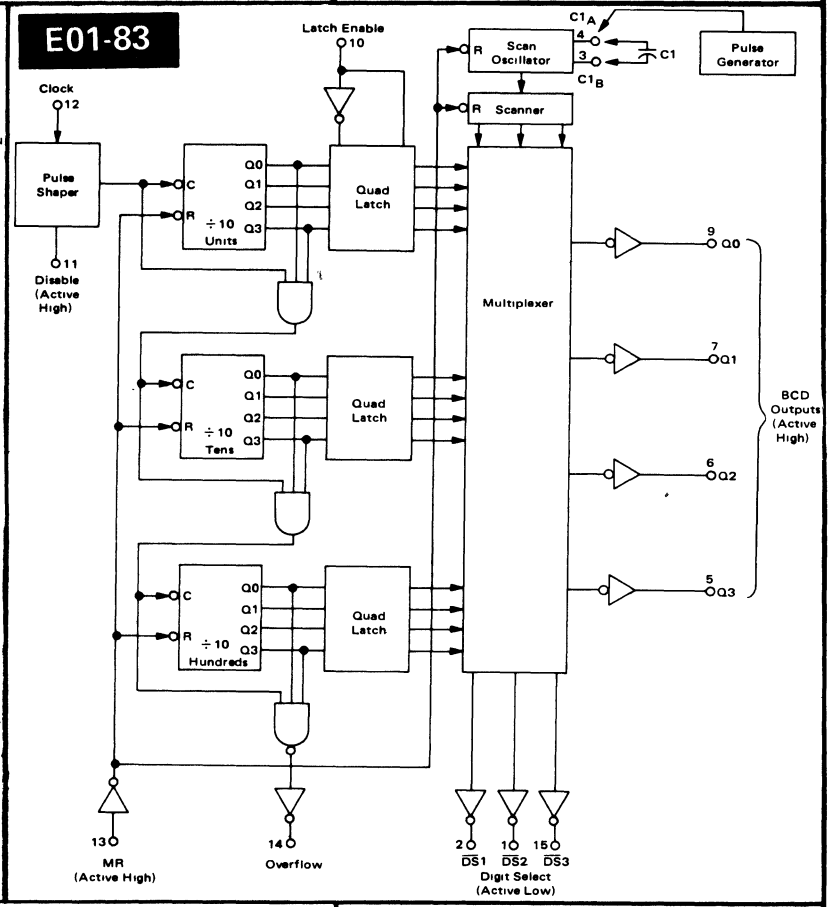
E01-80



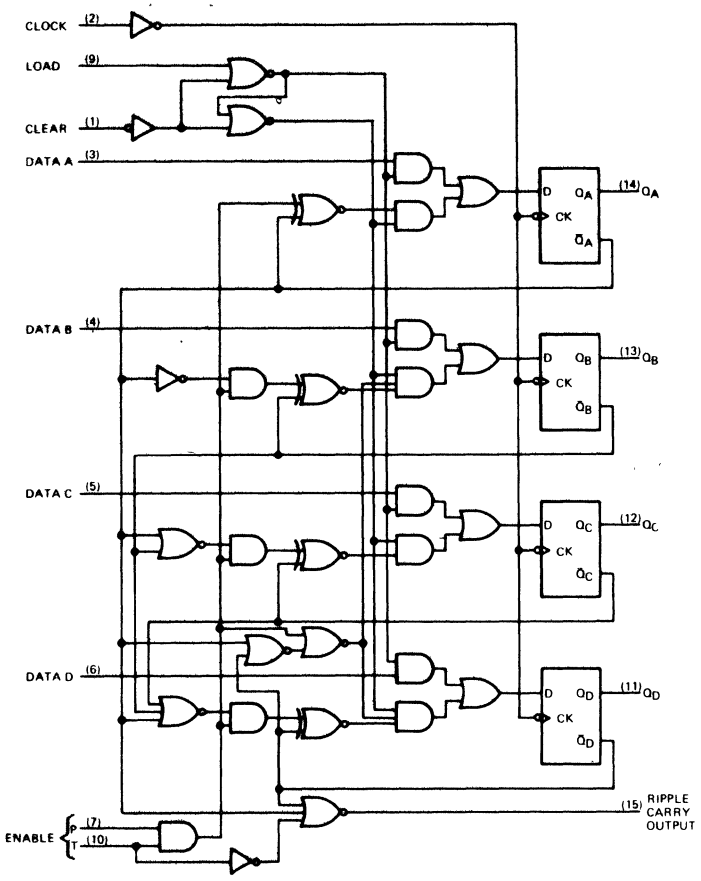
E01-82



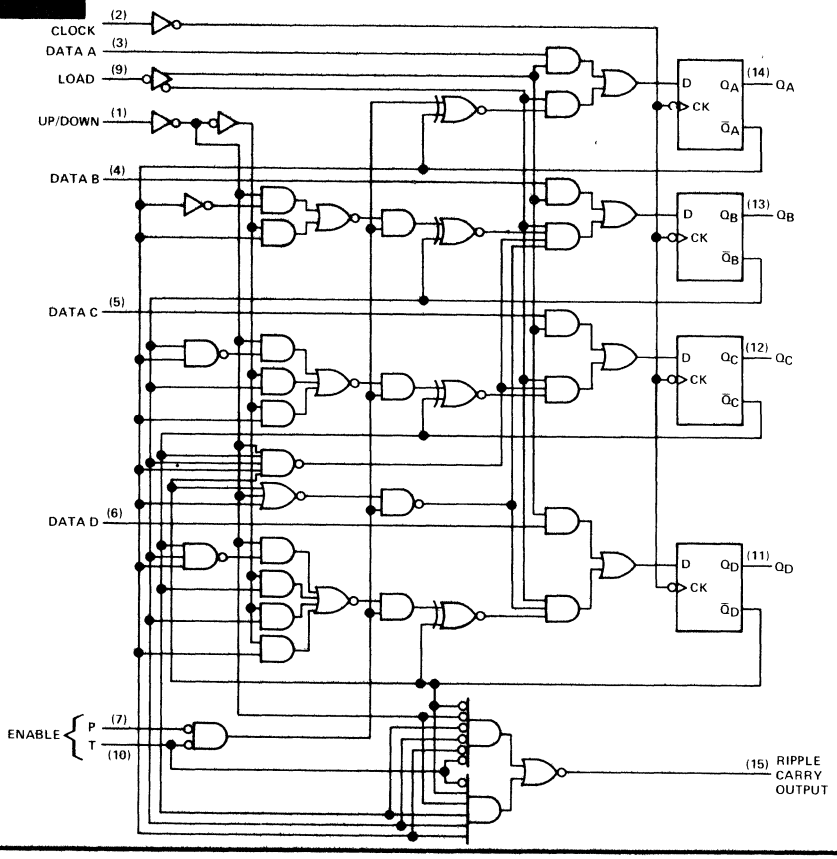
E01-83



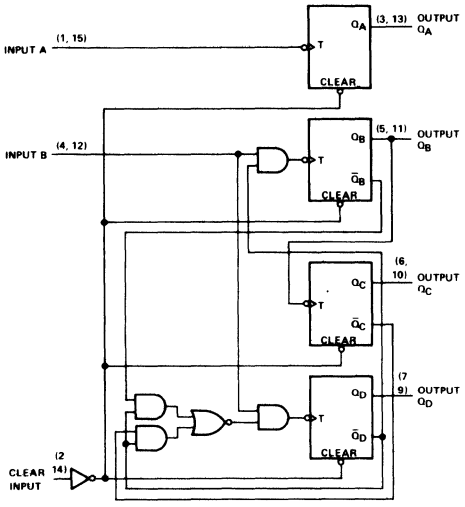
E01-84



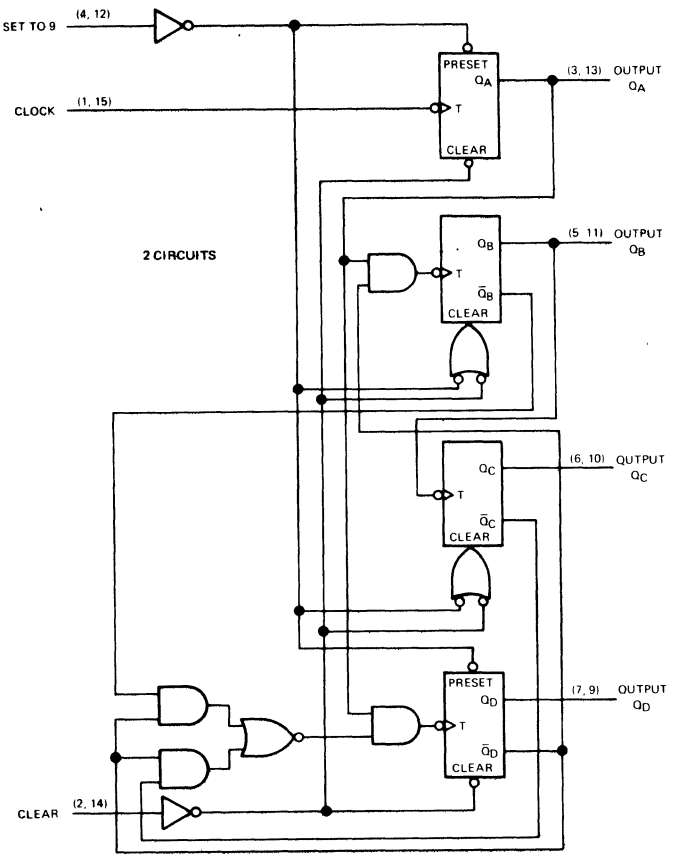
E01-85



E01-87



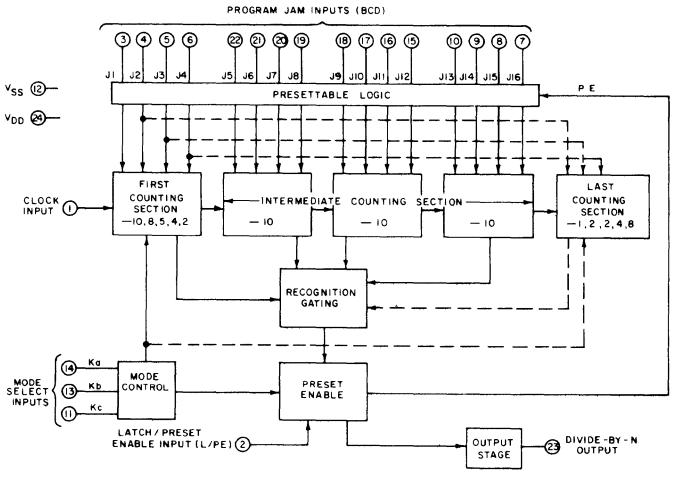
E01-88

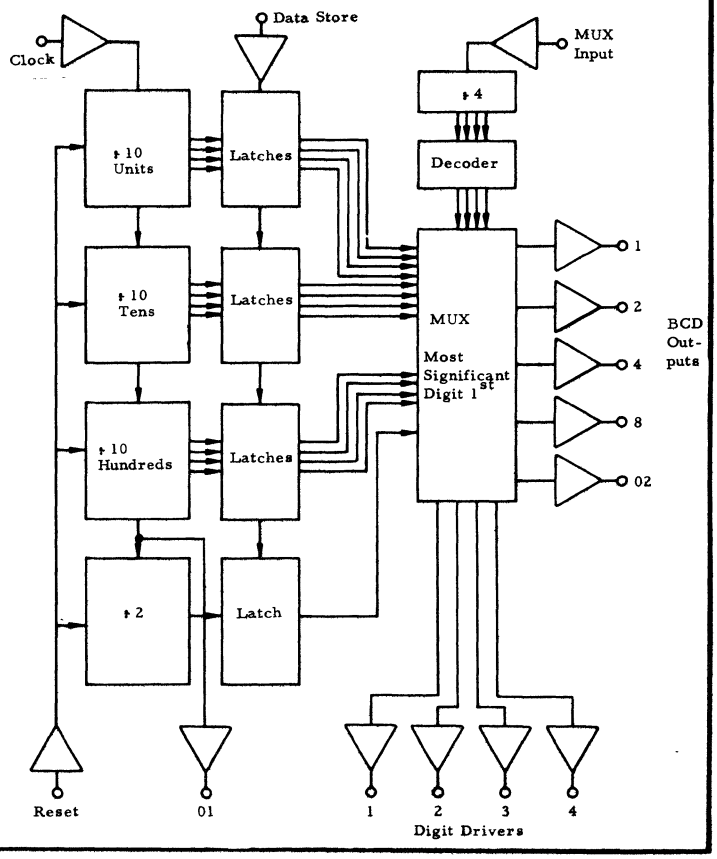


E01-89

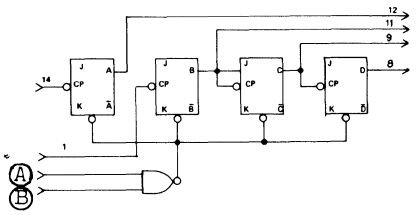
1 = O1	9 = DD2
2 = O2	10 = DD3
3 = Clock Input	11 = DD4
4 = Data State	12 = BCD-1
5 = Reset	13 = BCD-2
6 = MUX Input	14 = BCD-4
7 = DD1	15 = BCD-8
8 = V_{SS}	16 = V_{DD}

E01-90



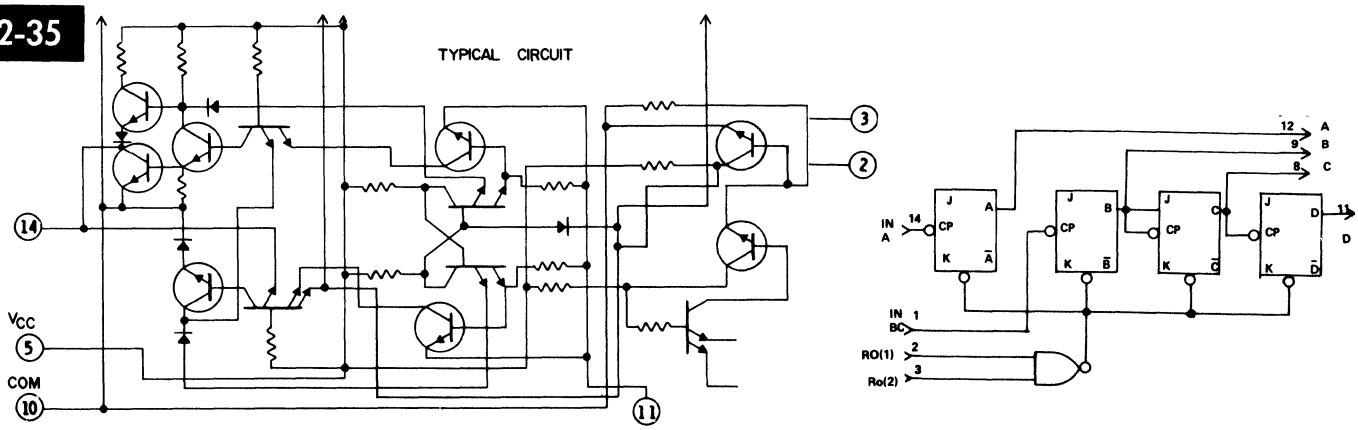


E02-34

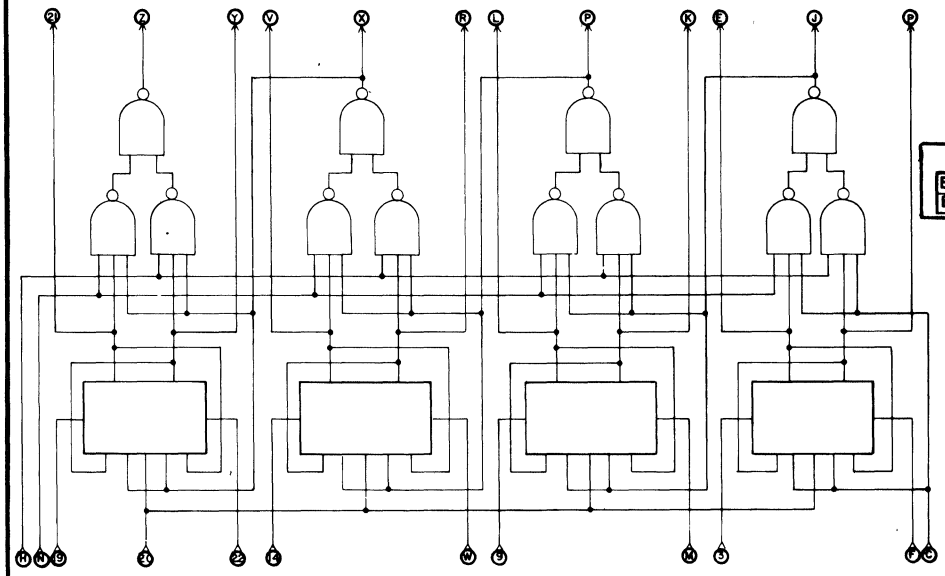


	A	B
E02-34	6	7
E02-34a	2	3
E02-34b	12	13

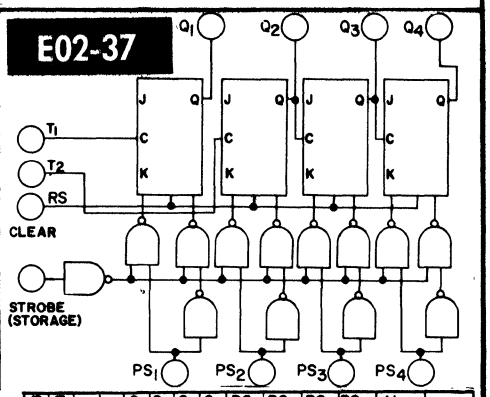
E02-35



E02-36

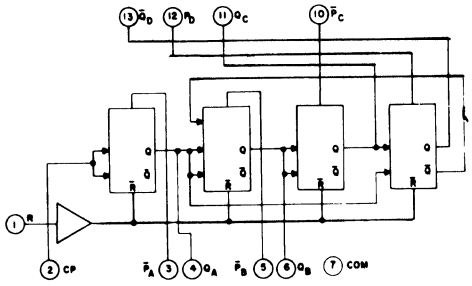


E02-37

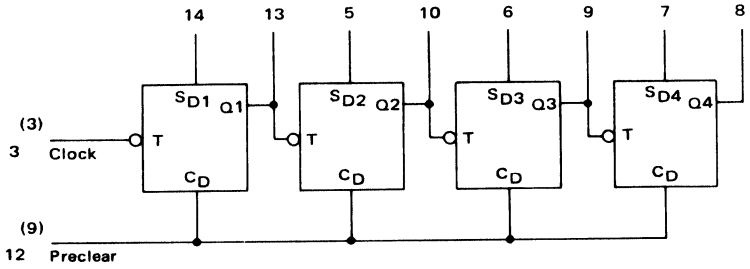


	T_1	T_2	RS	S	Q_1	Q_2	Q_3	Q_4	PS_1	PS_2	PS_3	PS_4	V_{CC}	COM
E02-37	8	6	13	1	5	9	2	12	4	10	3	11	14	7
E02-37A	12	10	3	5	9	13	6	2	8	14	7	1	4	11

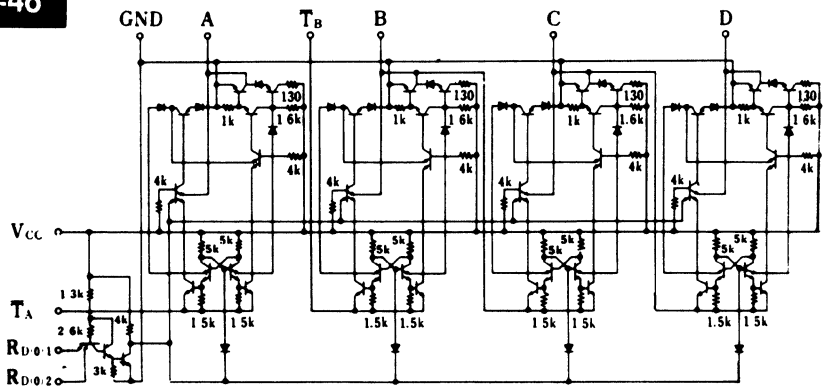
E02-40



E02-44



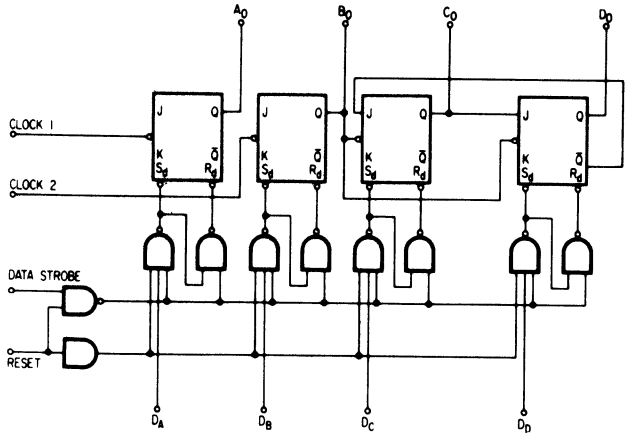
E02-46



DWG NO	CKT NO	$\bar{T}_A$	$\bar{T}_B$	$R_{D(0)1}$	$R_{D(0)2}$	A	B	C	D	VCC	COM
E0246	1	8	9	10	11	6	4	3	5	14	7
E0246a	1	14	1	2	3	12	9	8	11	5	10
E0246b	1	14	1	6	7	12	11	9	8	5	10

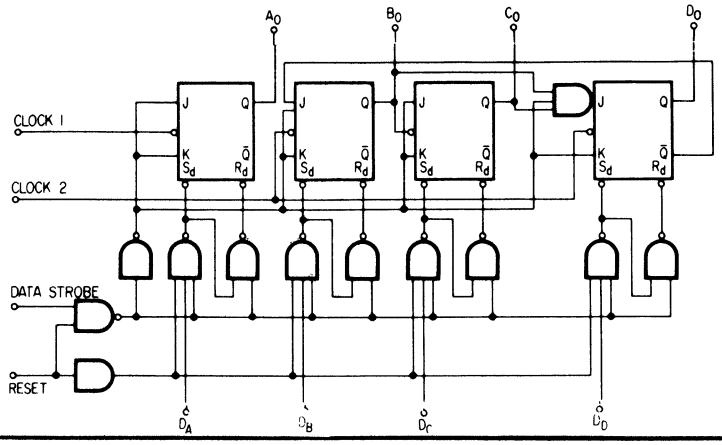
E02-48

	PKG	A0	B0	C0	D0	C1	C2	STROBE	RESET	DA	DB	DC	DD	VCC	GND
E02-48	MP	5	9	2	12	8	6	1	13	4	10	3	11	14	7
	FP	9	13	6	2	12	10	5	3	8	14	7	1	4	11



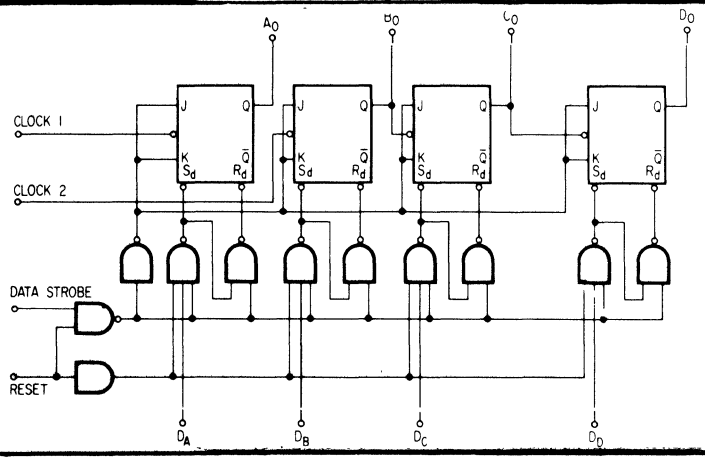
E02-49

	PKG	A_0	B_0	C_0	D_0	C_1	C_2	STROBE	RESET	D_A	D_B	D_C	D_D	V_{CC}	GND
E02-49	MP	5	9	2	12	8	6	1	13	4	10	3	11	14	7
	FP	9	13	6	2	12	10	5	3	8	14	7	1	4	11

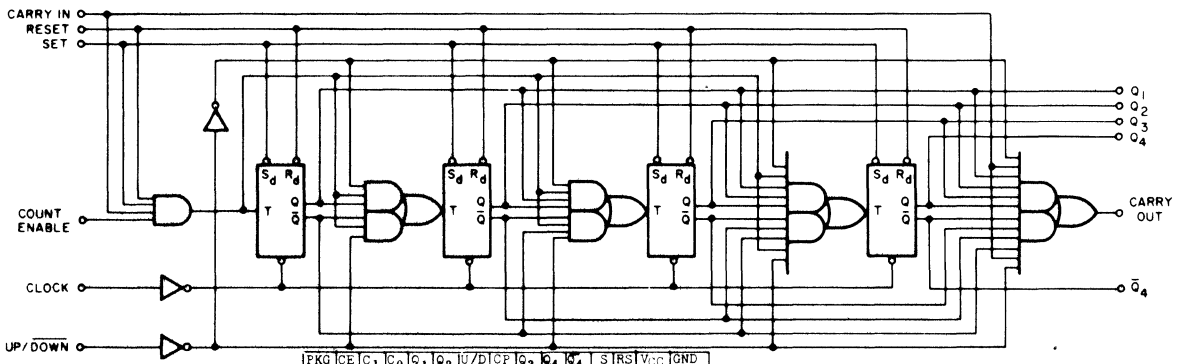


E02-50

	PKG	A_0	B_0	C_0	D_0	C_1	C_2	STROBE	RESET	D_A	D_B	D_C	D_D	V_{CC}	GND
E02-50	MP	5	9	2	12	8	6	1	13	4	10	3	11	14	7
	FP	9	13	6	2	12	10	5	3	8	14	7	1	4	11

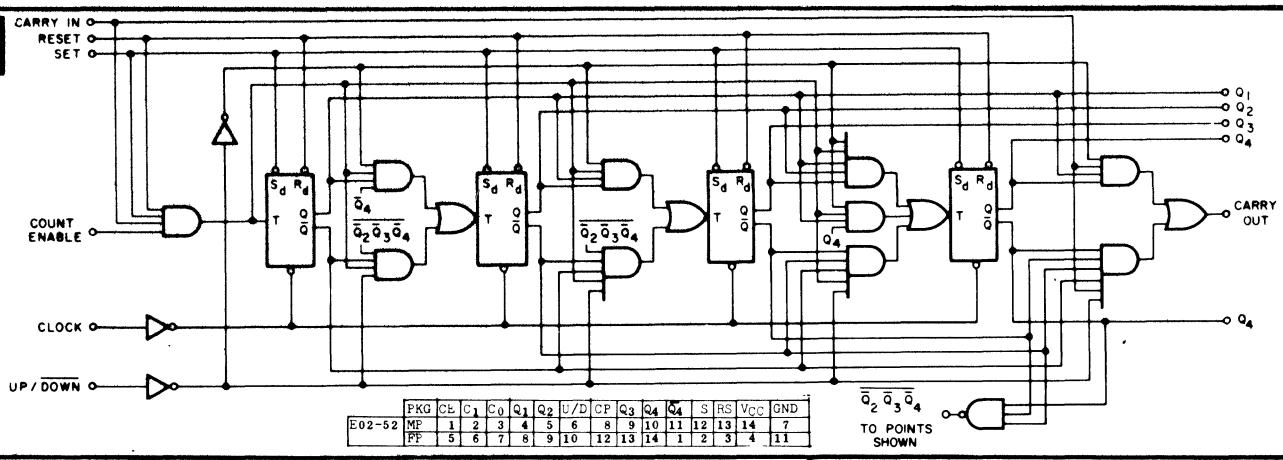


E02-51



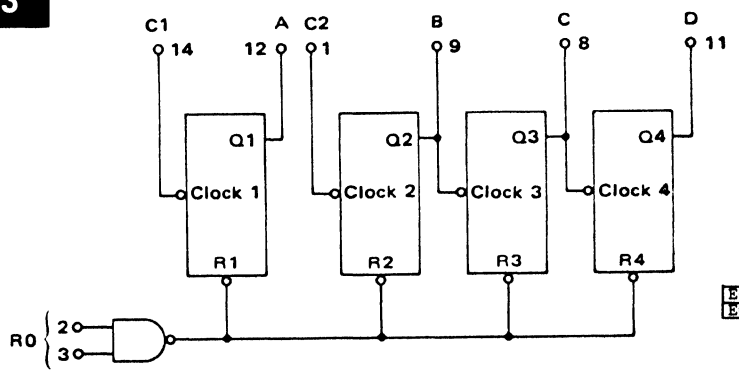
	PKG	CE	C_1	C_0	Q_1	Q_2	U/D	CP	Q_3	Q_4	$\overline{Q}_4$	S	RS	V_{CC}	GND
E02-51	MP	1	2	3	4	5	6	8	9	10	11	12	13	14	7
	FP	5	6	7	8	9	10	12	13	14	1	2	3	4	11

E02-52



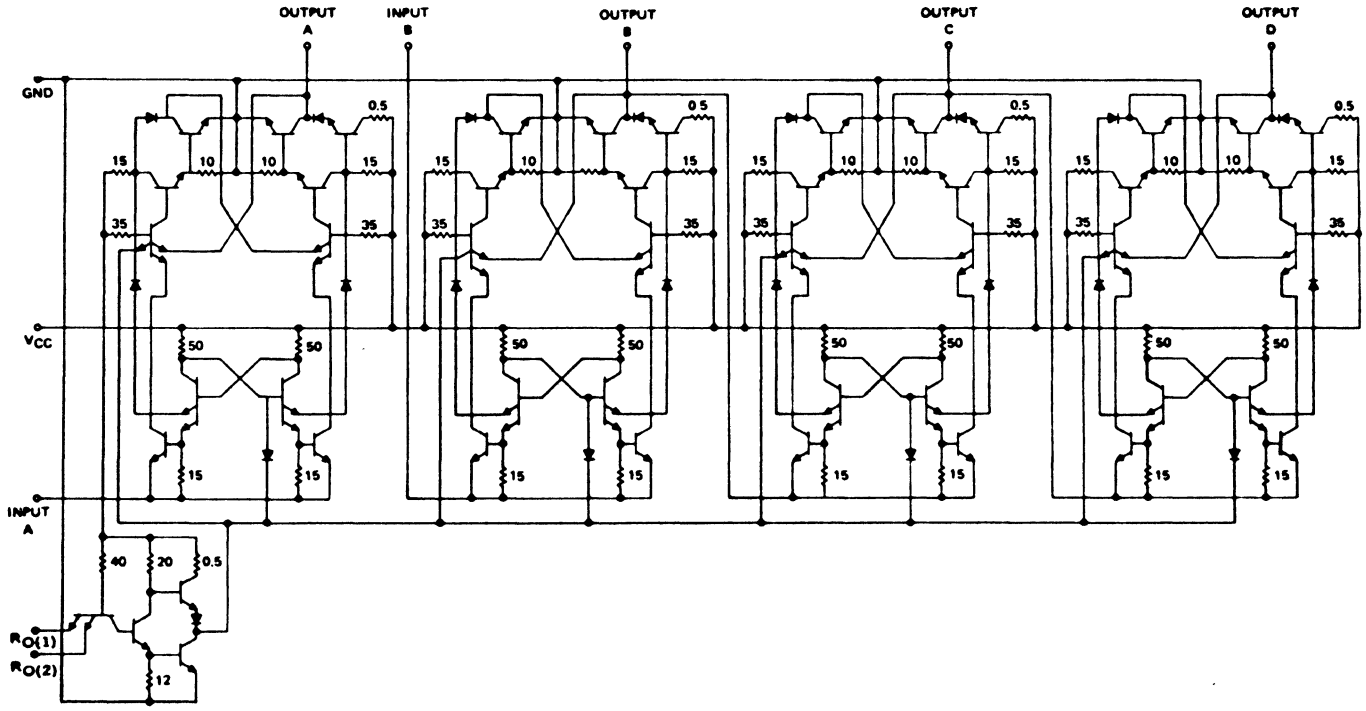
	PKG	CE	C_1	C_0	Q_1	Q_2	U/D	CP	Q_3	Q_4	$\overline{Q}_4$	S	RS	V_{CC}	GND
E02-52	MP	1	2	3	4	5	6	8	9	10	11	12	13	14	7
	FP	5	6	7	8	9	10	12	13	14	1	2	3	4	11

E02-53

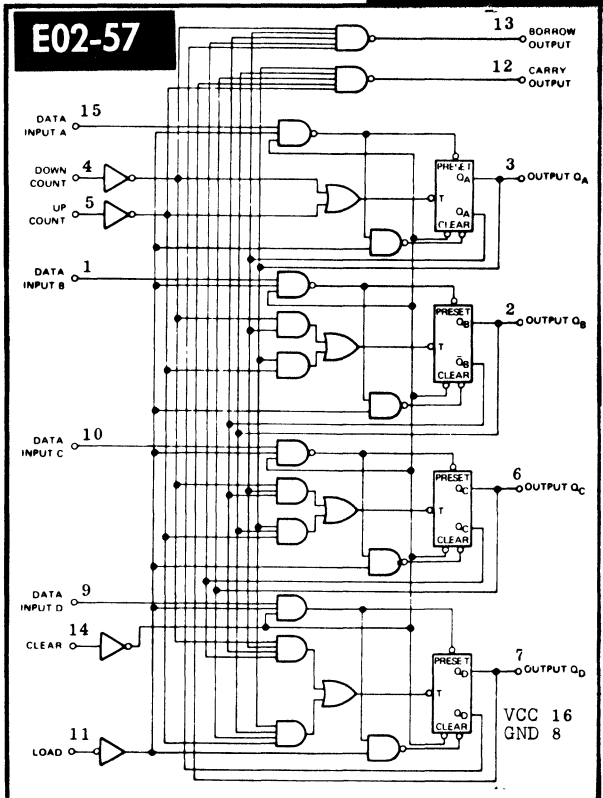


	C1	A	C2	B	C	D	RO 1	RO 2	VCC	GND
E02-53	14	12	1	9	8	11	2	3	5	10
E02-53a	14	13	8	9	10	12	1	2	4	11

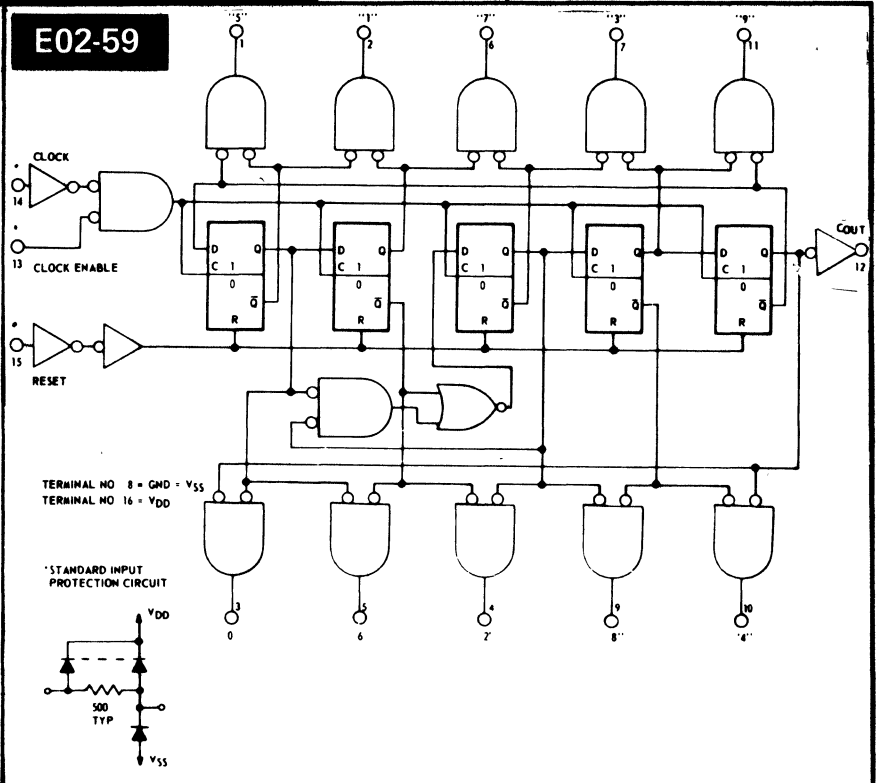
E02-54



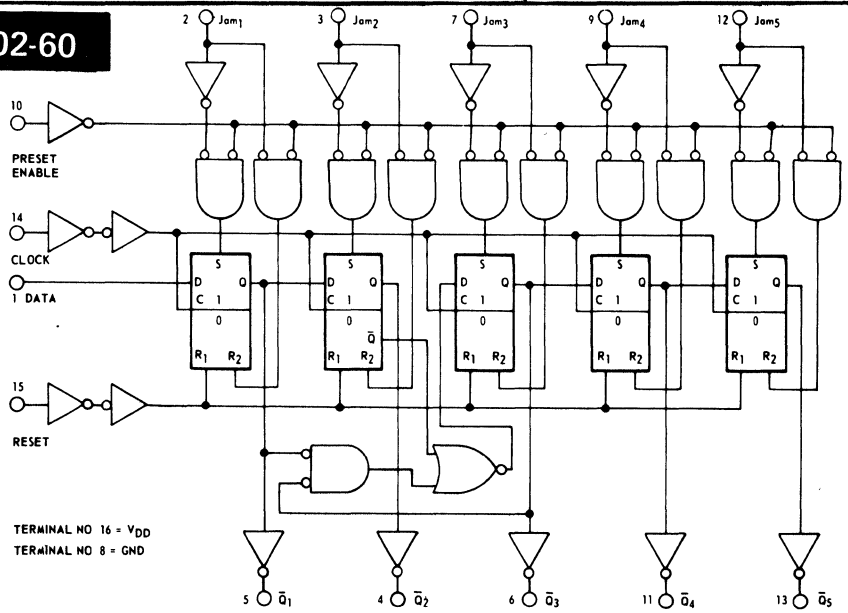
E02-57



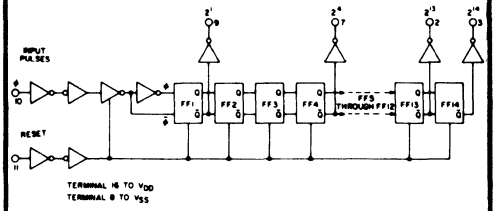
E02-59



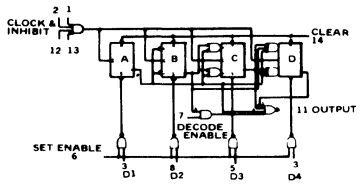
E02-60



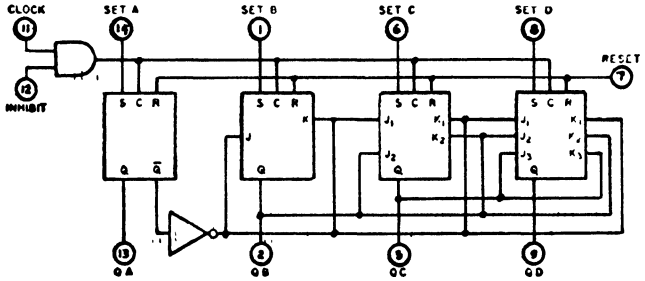
E02-61



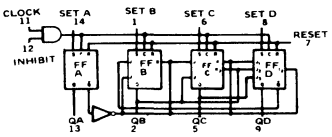
E02-62



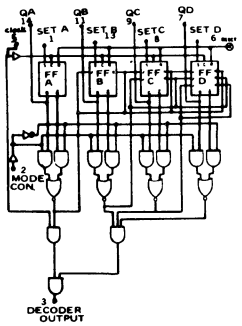
E02-63



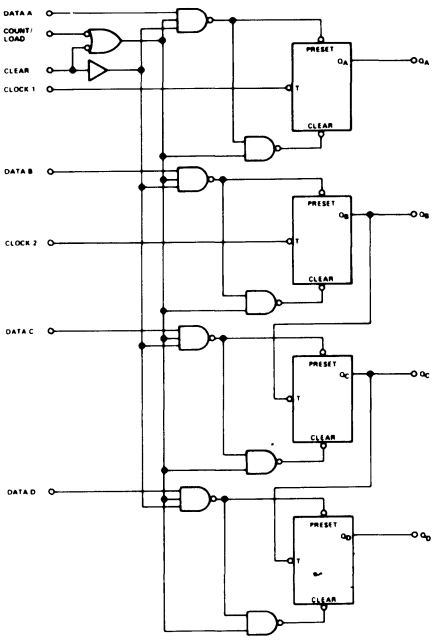
E02-64



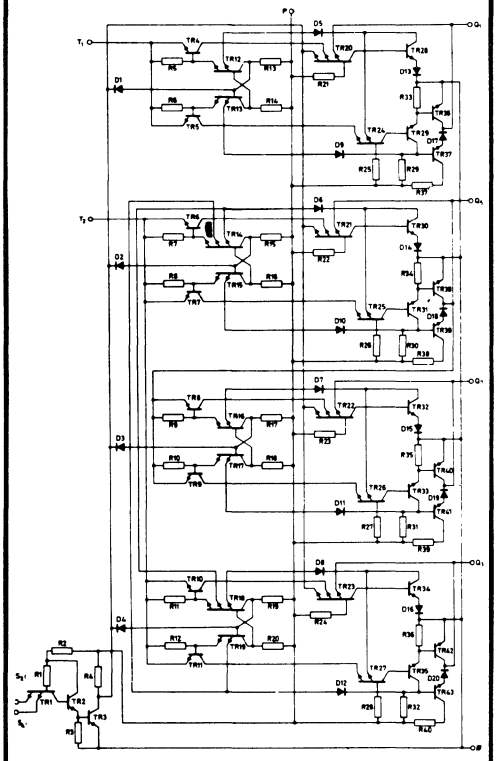
E02-65



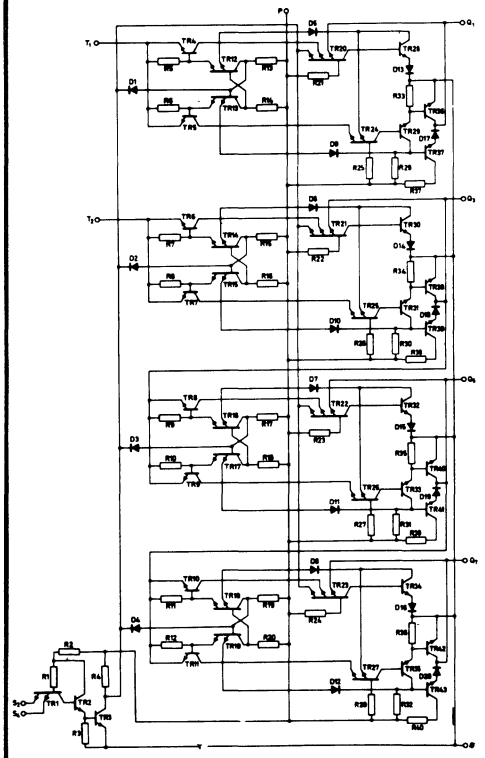
E02-66



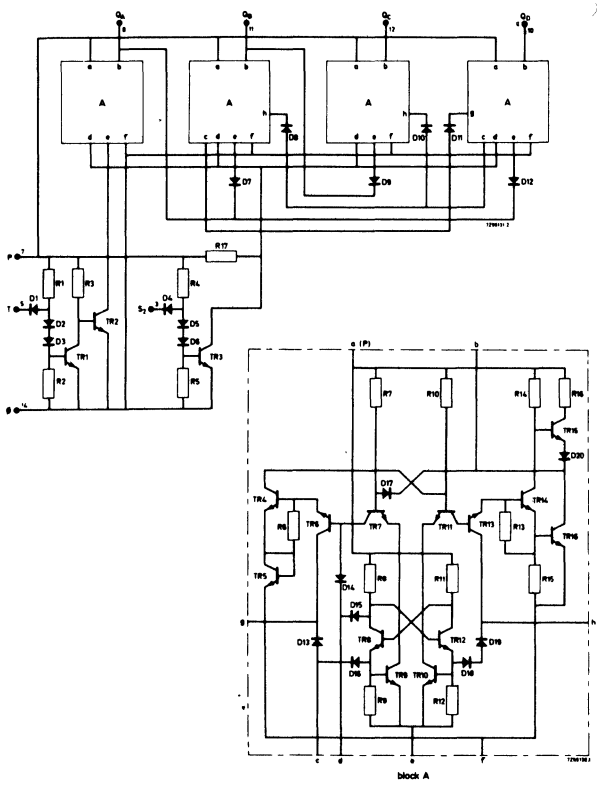
E02-67



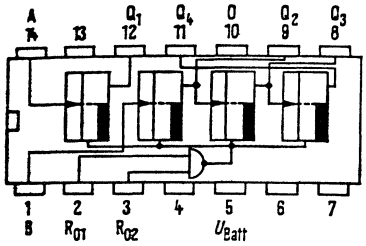
E02-68



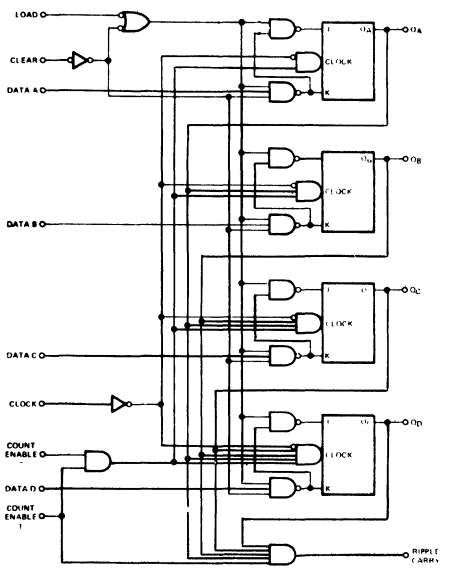
E02-69



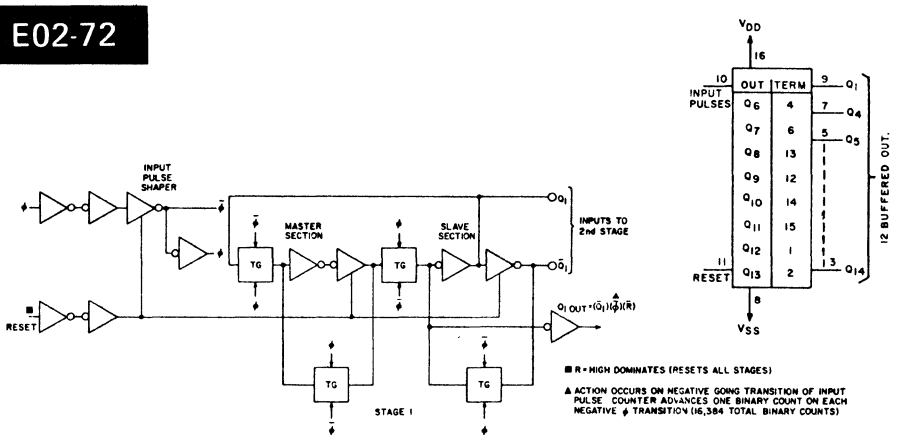
E02-70



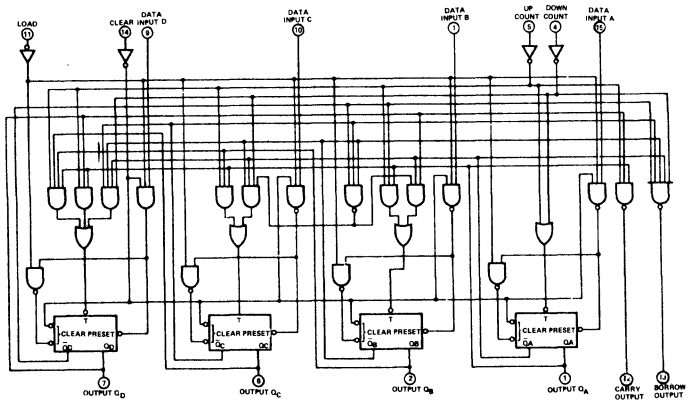
E02-71



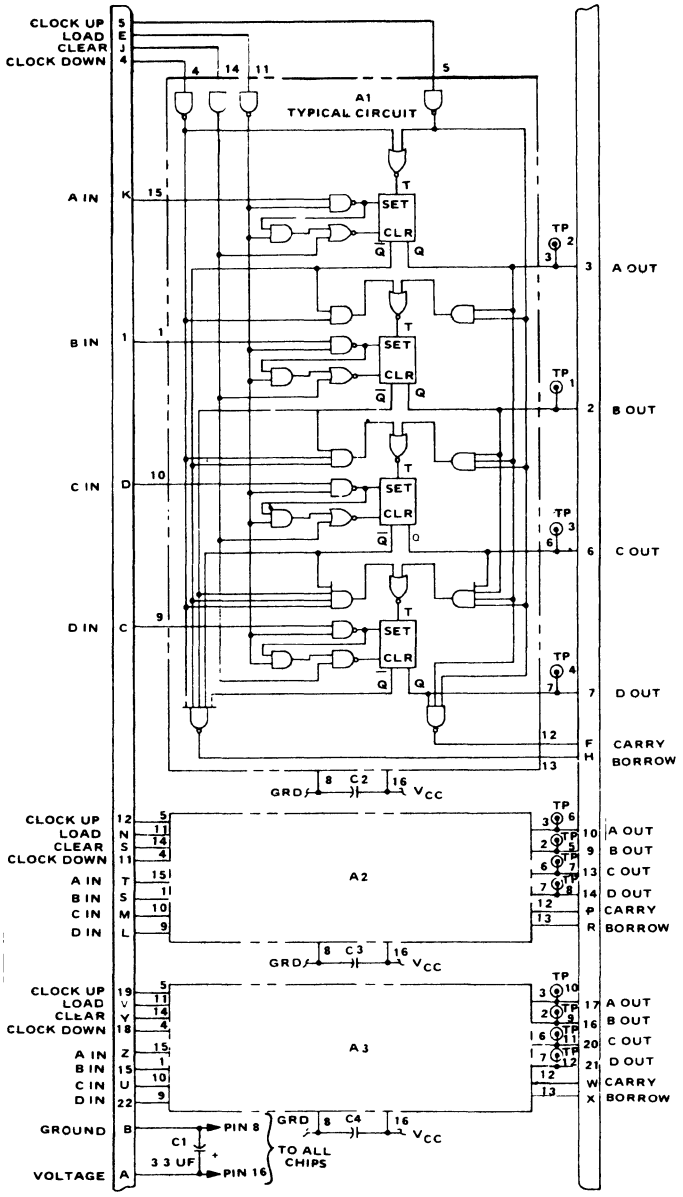
E02-72



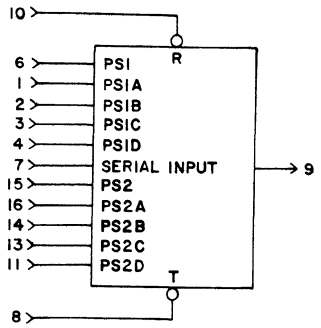
E02-73



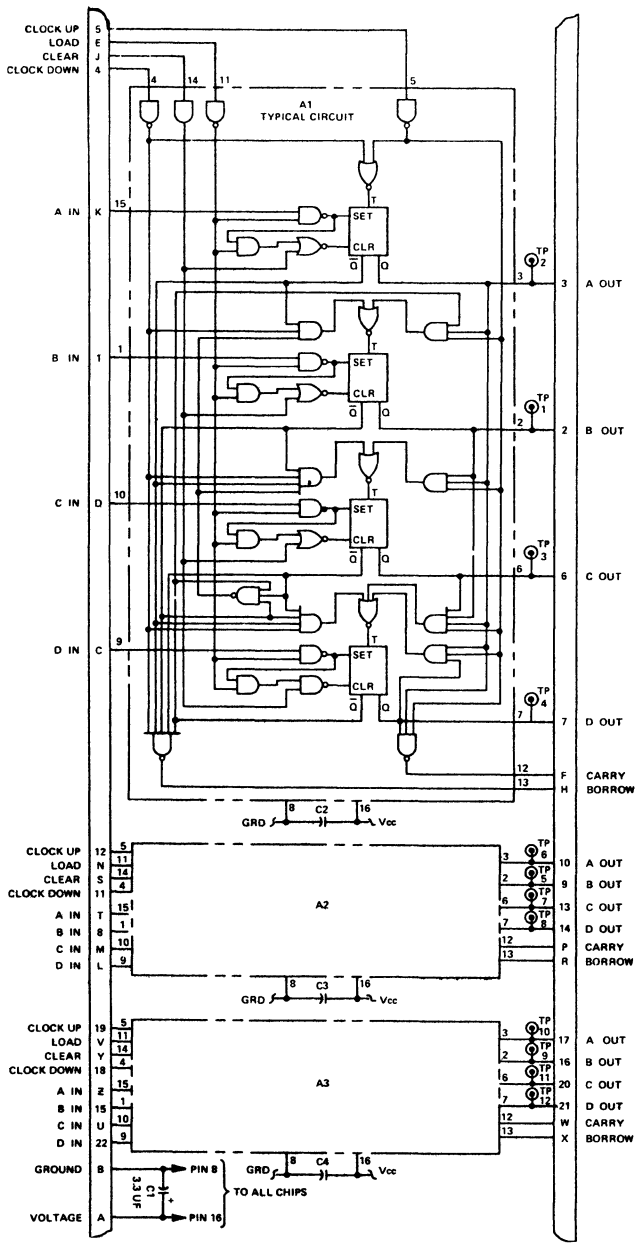
E02-74



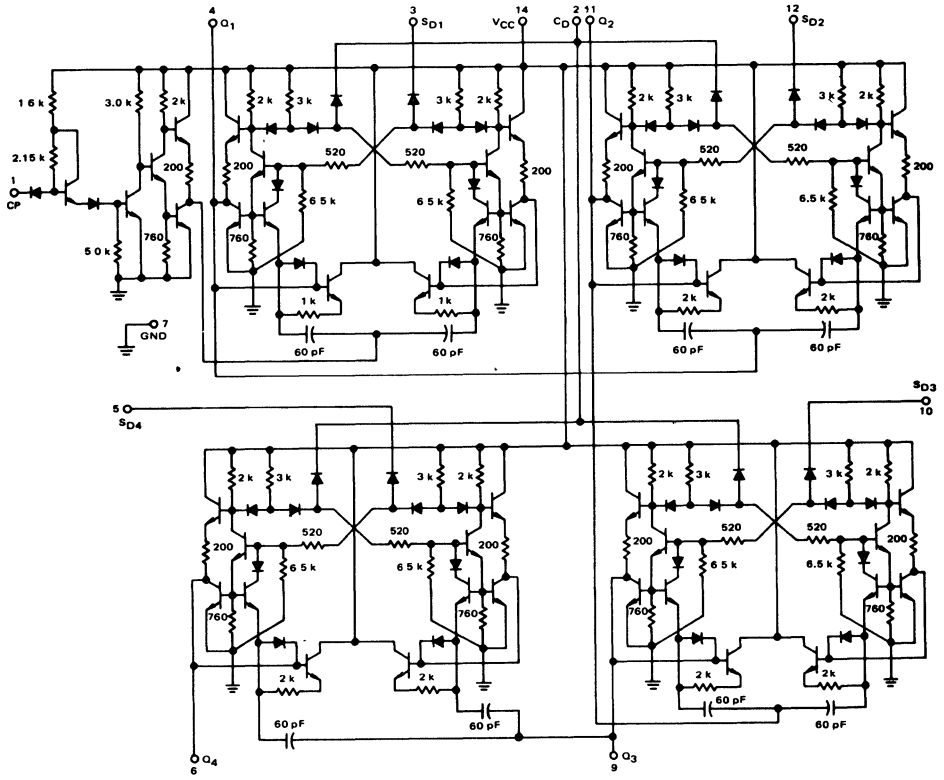
E02-77



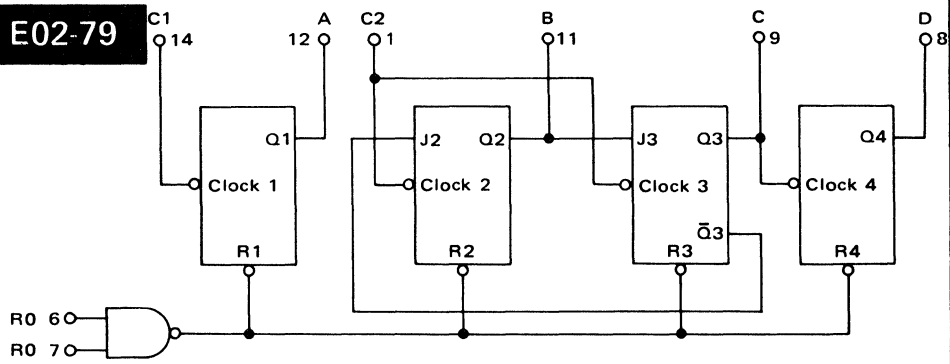
E02-76



E02-78

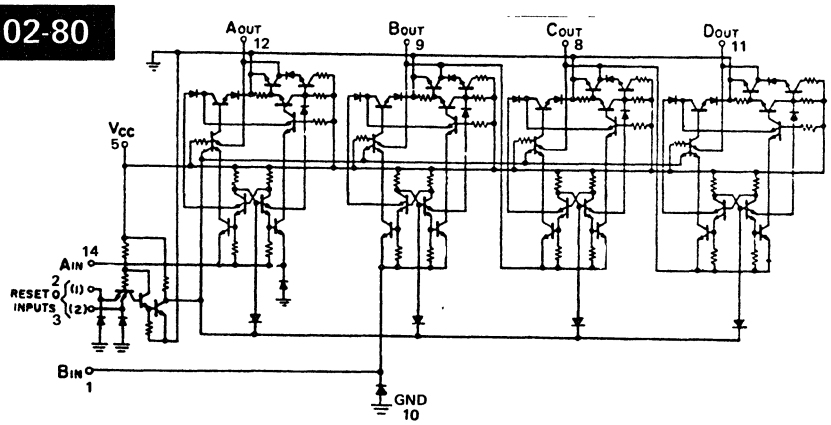


E02-79

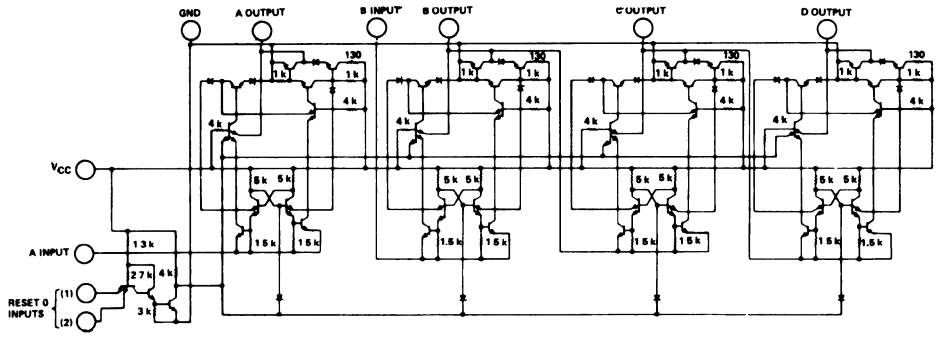


V_{CC} = PIN 5
GND = PIN 10

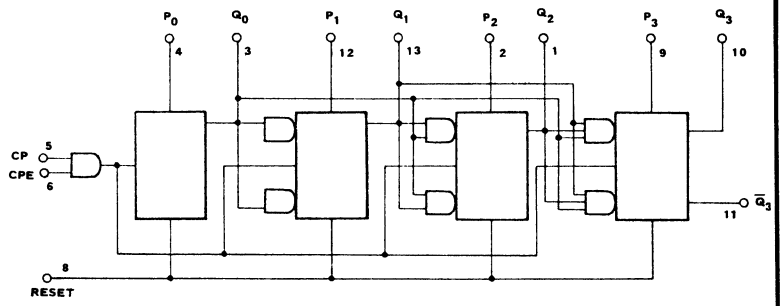
E02-80



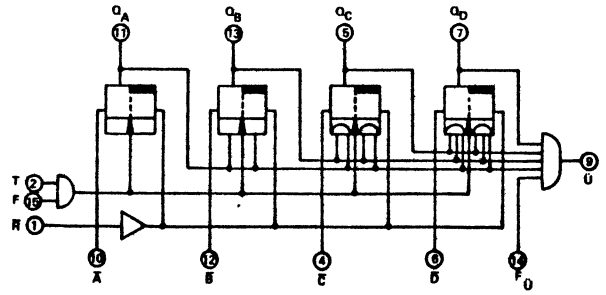
E02-81



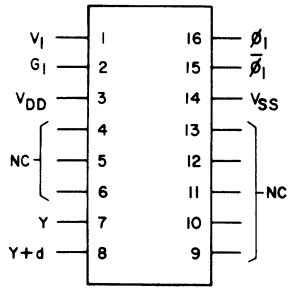
E02-83



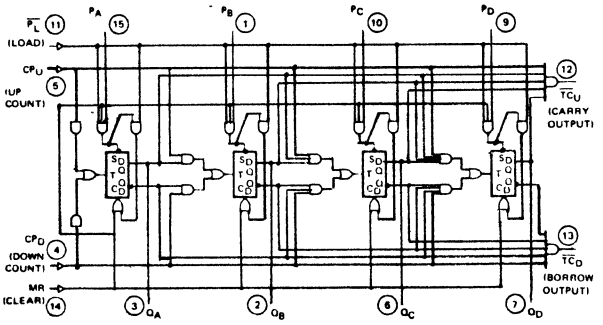
E02-84



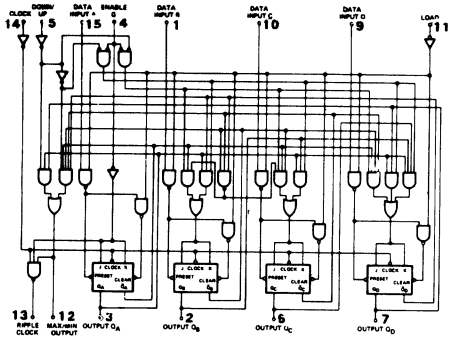
E02-85



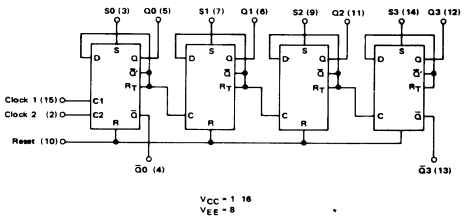
E02-86



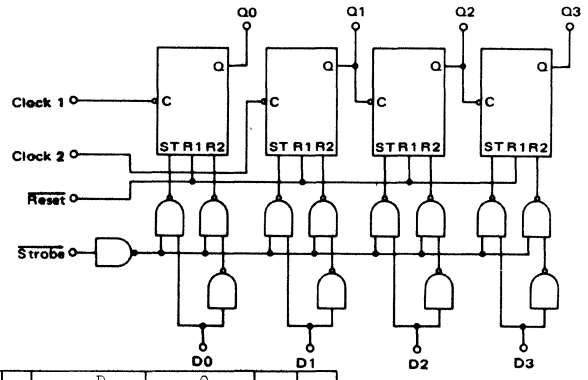
E02-87



E02-88

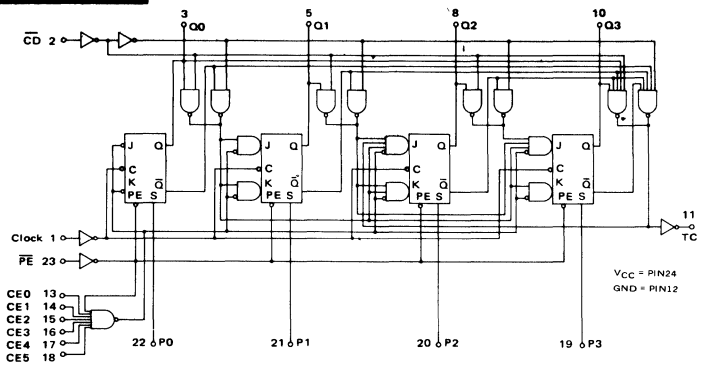


E02-89

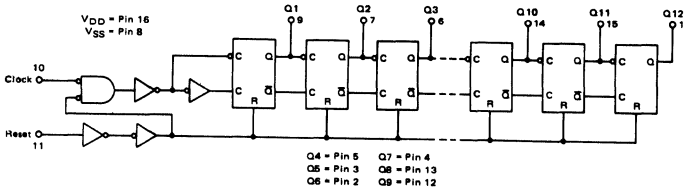


	PKG	C1	C2	R	S	D 0	D 1	D 2	D 3	Q 0	Q 1	Q 2	Q 3	VCC	GND
E02-89	FP	12	10	3	5	8	14	7	1	9	13	6	2	4	11
	MP	8	6	13	1	4	10	3	11	5	9	2	12	14	7

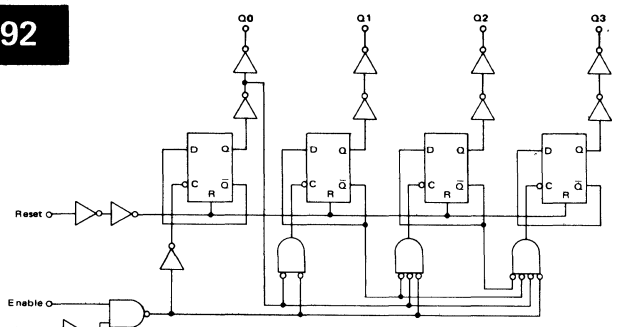
E02-90



E02-91

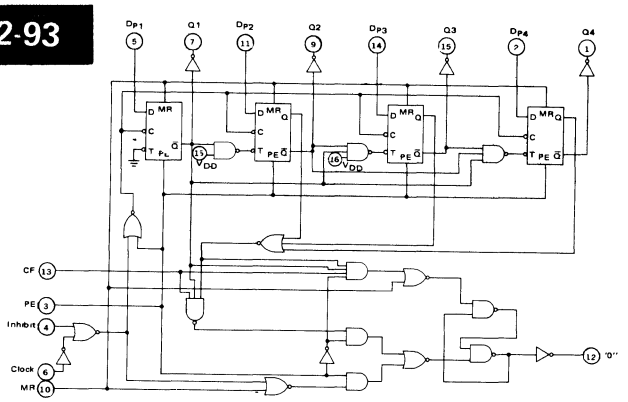


E02-92

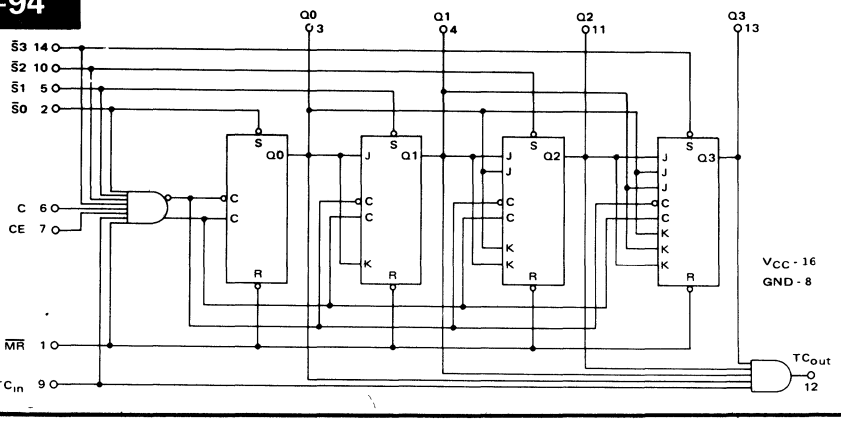


	CKT	C	EN	R	Q 0	Q 1	Q 2	Q 3
E02-92	1	1	2	7	3	4	5	6
	2	9	10	15	11	12	13	14

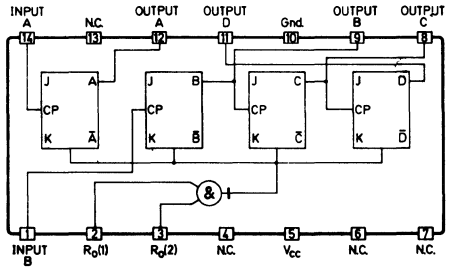
E02-93



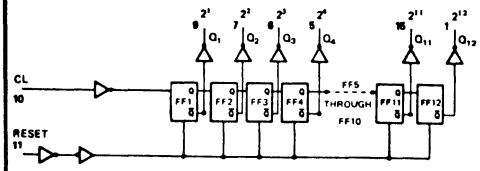
E02-94



E02-95

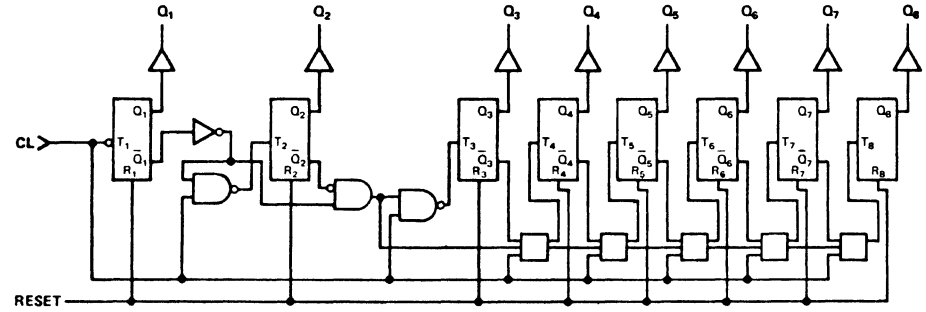


E02-96

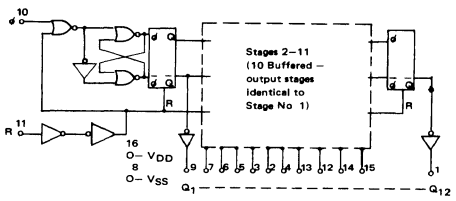


E02-97

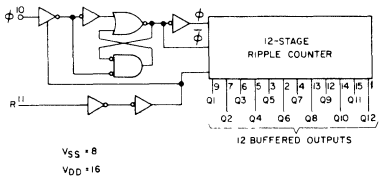
	PKG	CLOCK	RESET	Q 1	2	3	4	5	6	7	8	VSS	VDD
E0297	MO	1	2	12	11	9	6	5	4	3	13	7	14
	TO	1	3	11	10	9	7	6	5	4		12	2



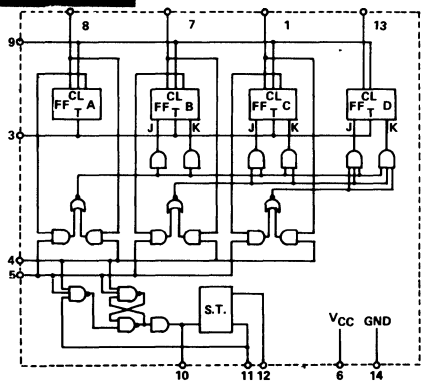
E02-98



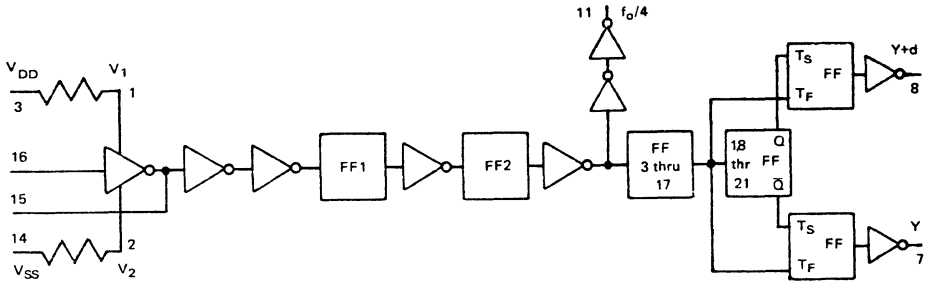
E02-99



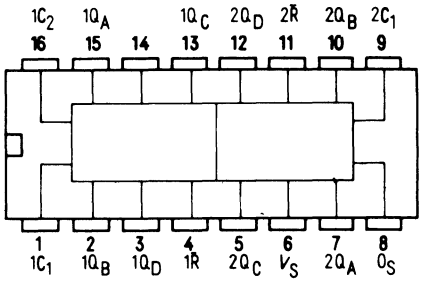
E02-100



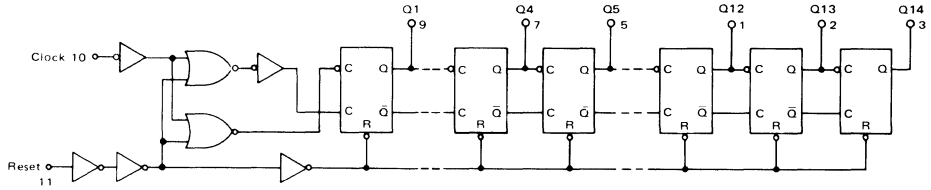
E02-101



E02-102



E02-103



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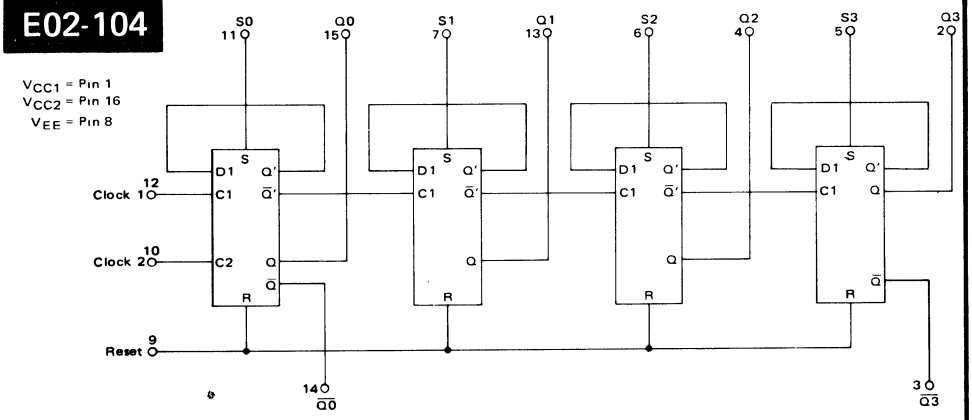
Q7 = Pin 6
Q8 = Pin 13

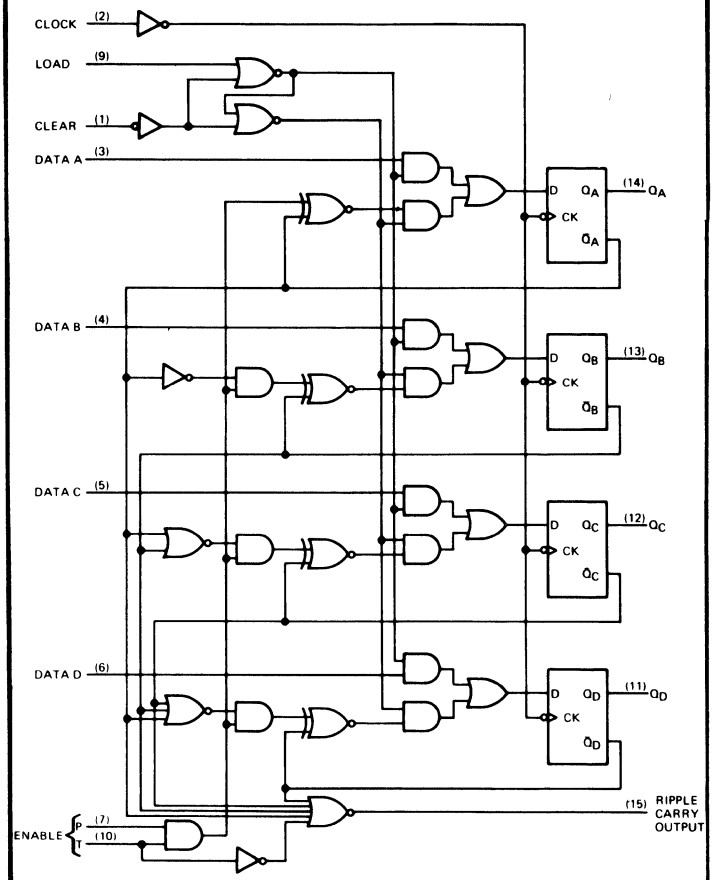
Q9 = Pin 12
Q10 = Pin 14
Q11 = Pin 15

VDD = Pin 16
VSS = Pin 8

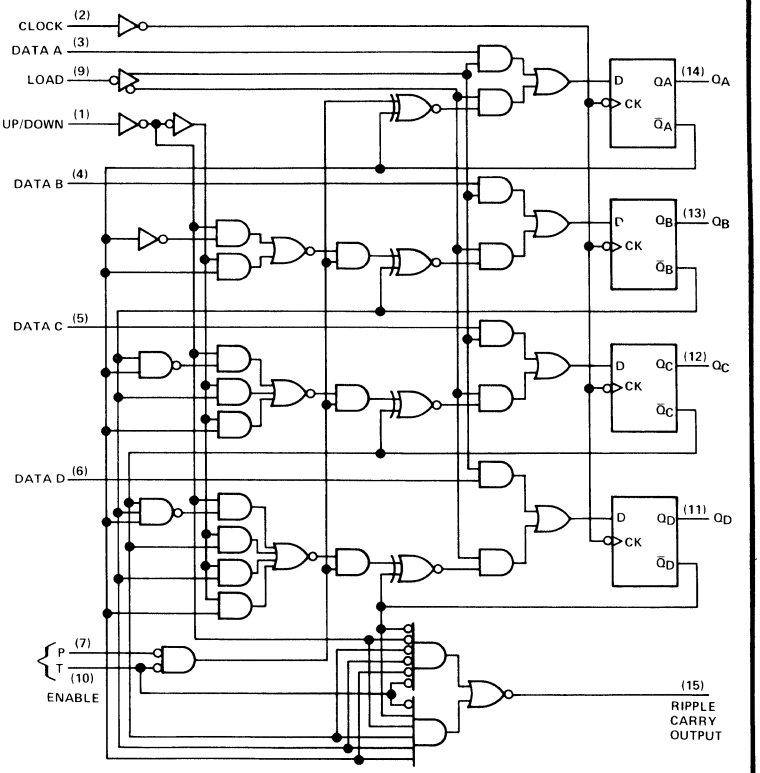
E02-104



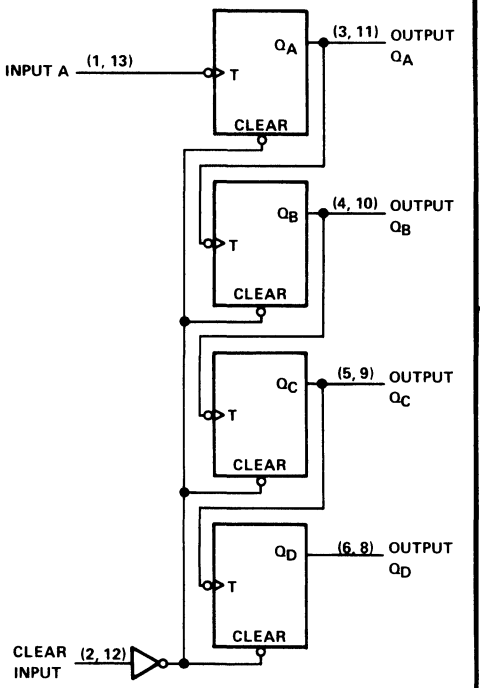
E02-105



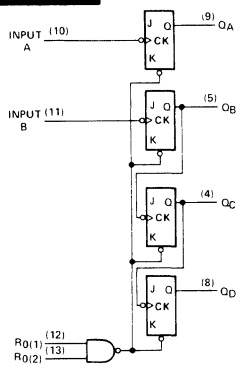
E02-106



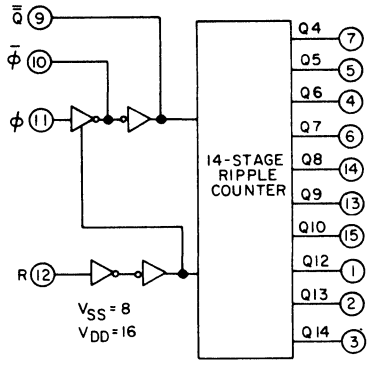
E02-107



E02-108

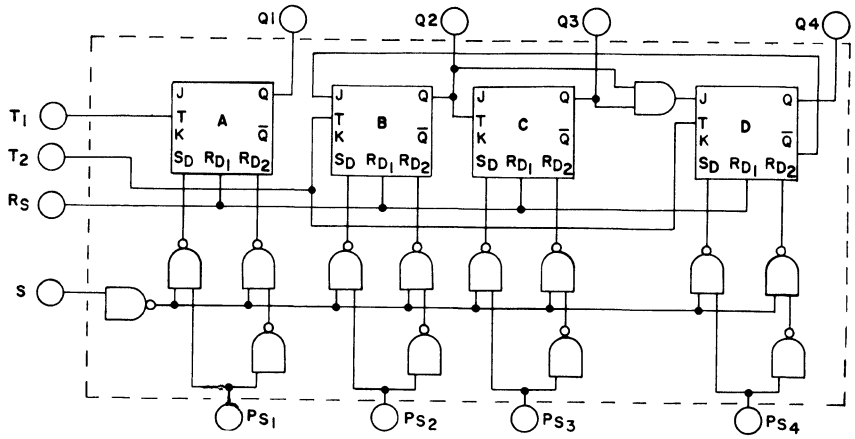


E02-109

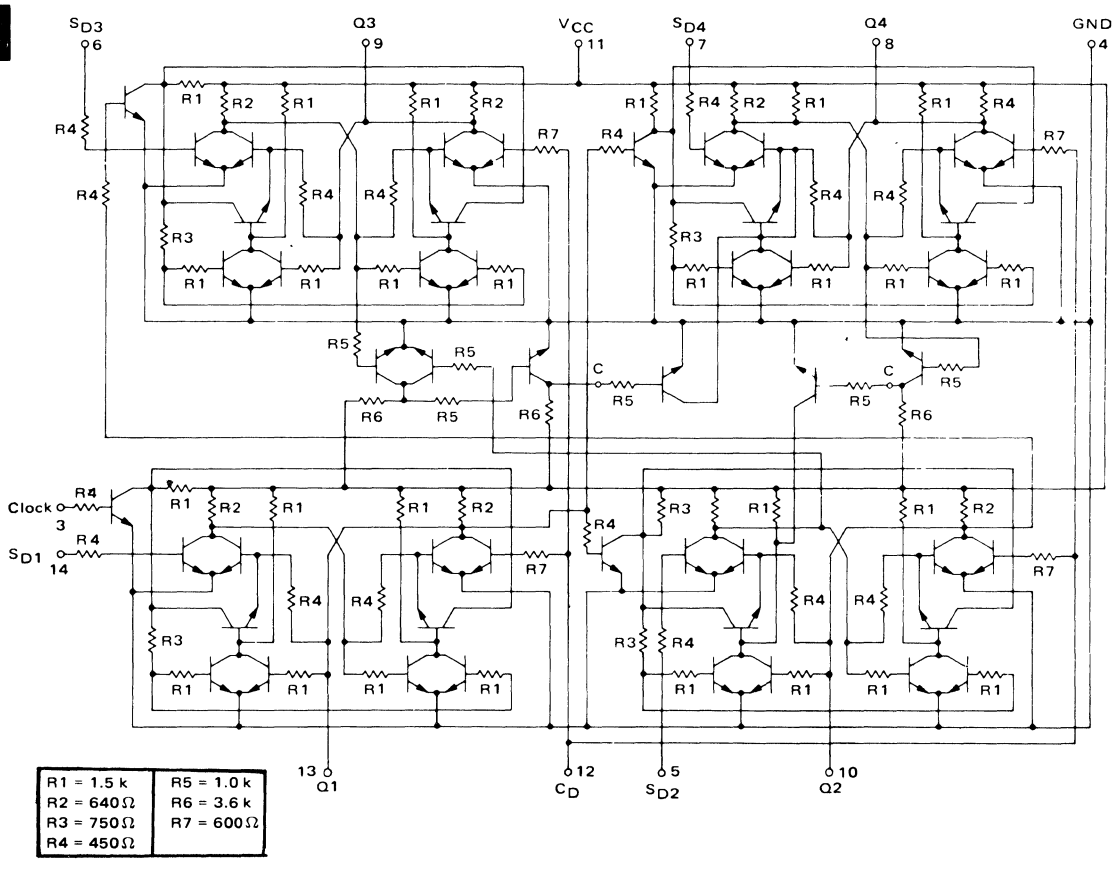


E03-17

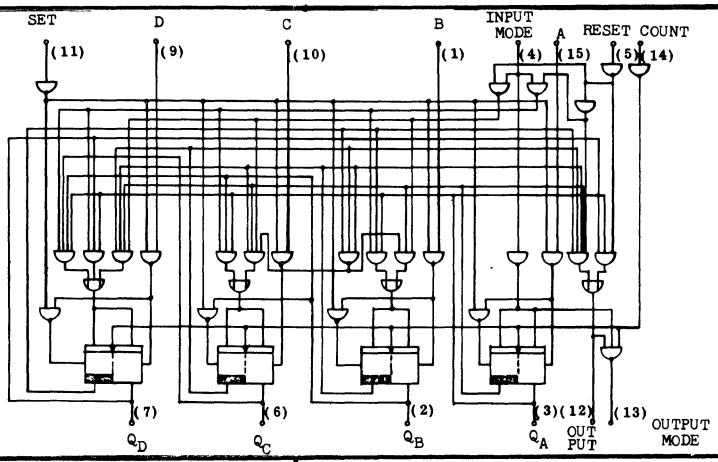
	T_1	T_2	R_S	S	Q_1	Q_2	Q_3	Q_4	PS_1	PS_2	PS_3	PS_4	V_{CC}	COM
E03-17	8	6	13	1	5	9	2	12	4	10	3	11	14	7
E03-17A	12	10	3	5	9	13	6	2	8	14	7	1	4	11

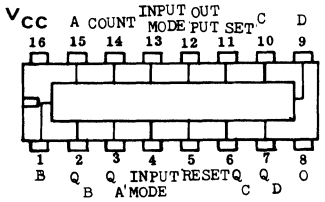


E03-18


S_{D3} 6
Q3 9
V_{CC} 11
S_{D4} 7
Q4 8
GND 4
Clock 3
S_{D1} 14
13 Q1
12 C_D
5 S_{D2}
10 Q2
R1 = 1.5 k
R2 = 640Ω
R3 = 750Ω
R4 = 450Ω
R5 = 1.0 k
R6 = 3.6 k
R7 = 600Ω

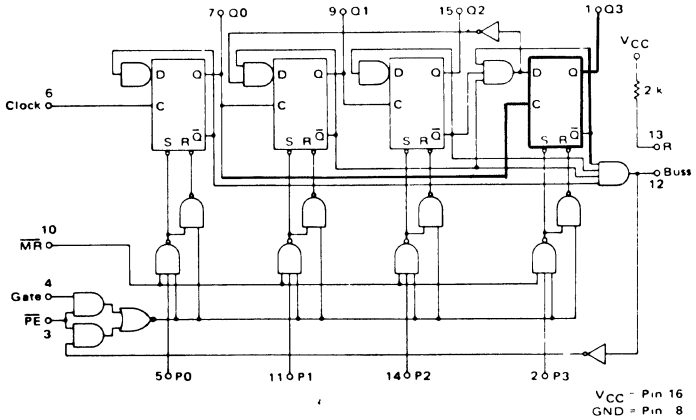
E03-20


SET (11)
D (9)
C (10)
B (1)
INPUT MODE (4)
A (15)
RESET (5)
COUNT (14)
Q_D (7)
Q_C (6)
Q_B (2)
Q_A (3)
OUT PUT (12)
OUTPUT MODE (13)

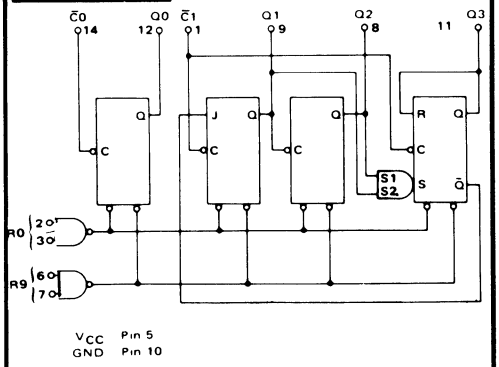

V_{CC} 16
A 15
COUNT 14
INPUT MODE 13
OUT PUT 12
SET 11
C 10
D 9
1 B
2 Q_B
3 Q_A
4 INPUT MODE
5 RESET
6 C
7 Q_C
8 Q_D

E03-22

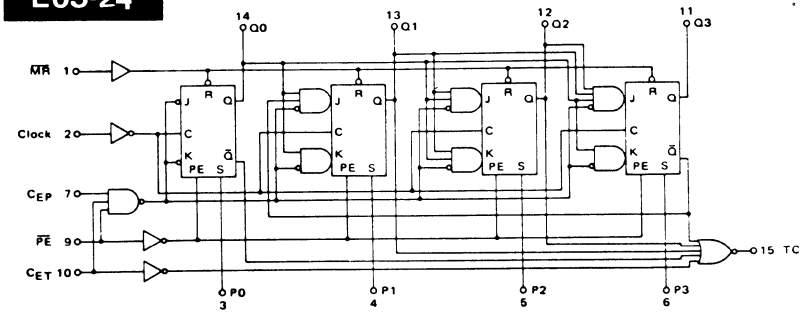
COUNT	OUTPUT			
	Q3	Q2	Q1	Q0
9	1	0	0	1
8	1	0	0	0
7	0	1	1	1
6	0	1	1	0
5	0	1	0	1
4	0	1	0	0
3	0	0	1	1
2	0	0	1	0
1	0	0	0	1
0	0	0	0	0



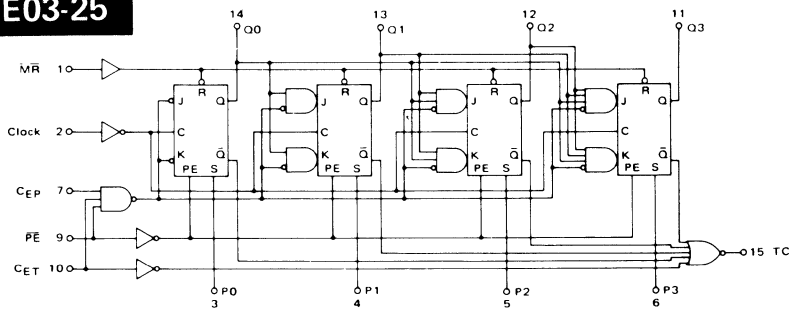
E03-23



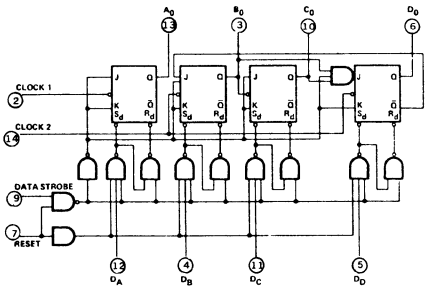
E03-24



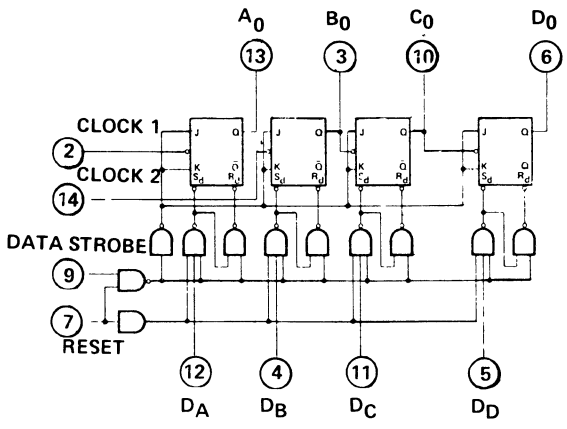
E03-25



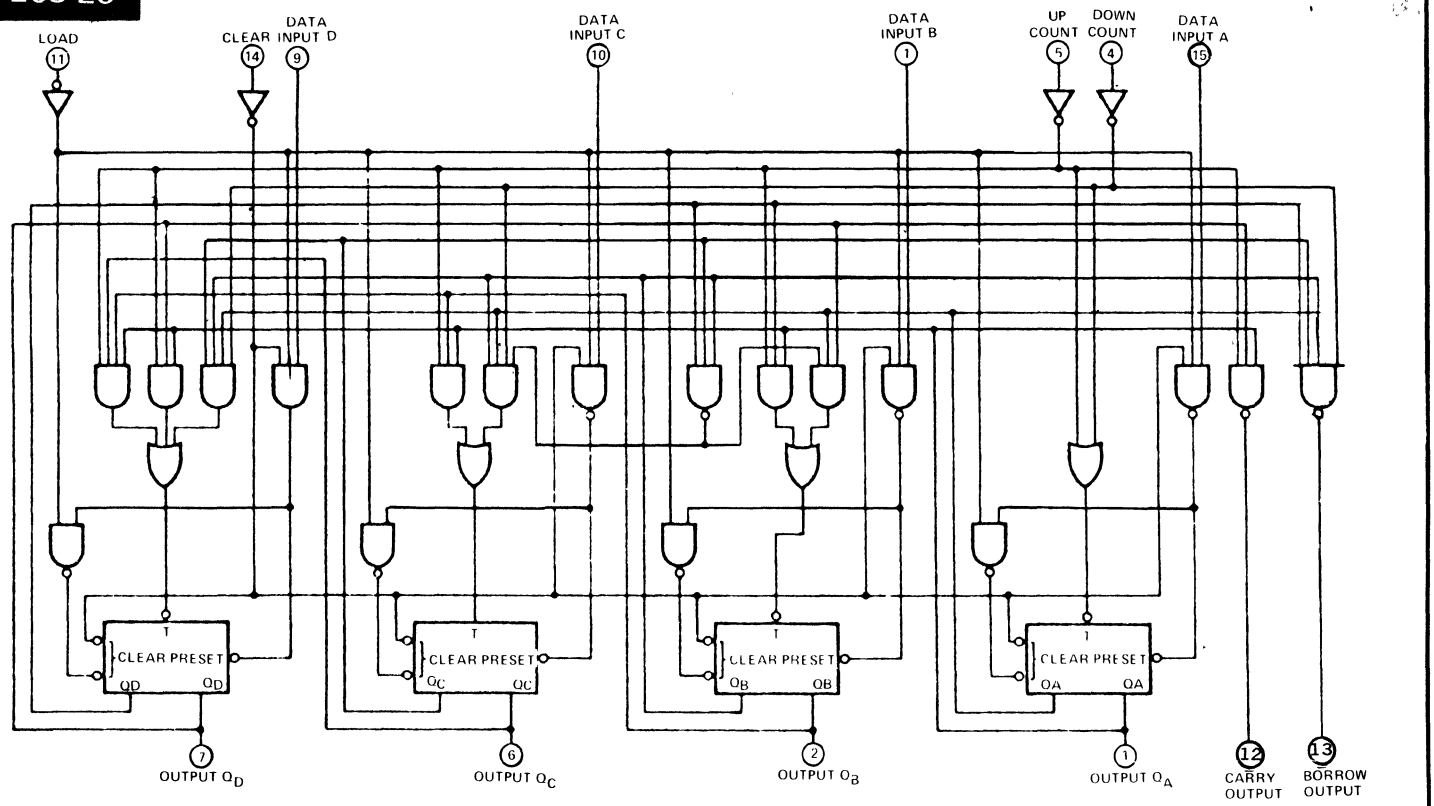
E03-26



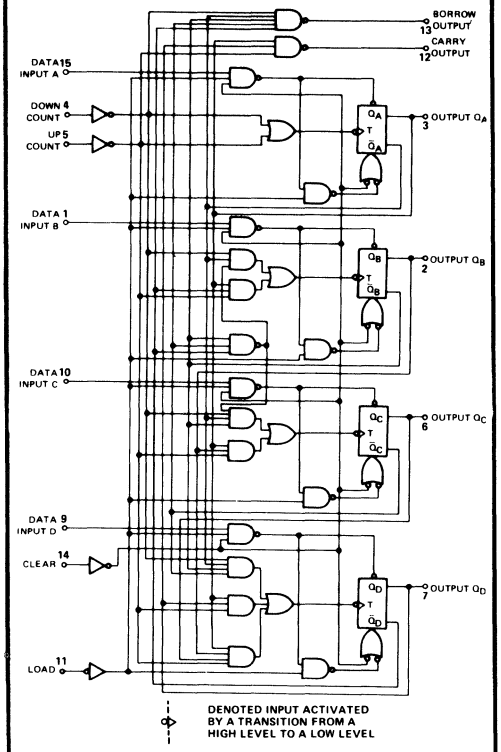
E03-27



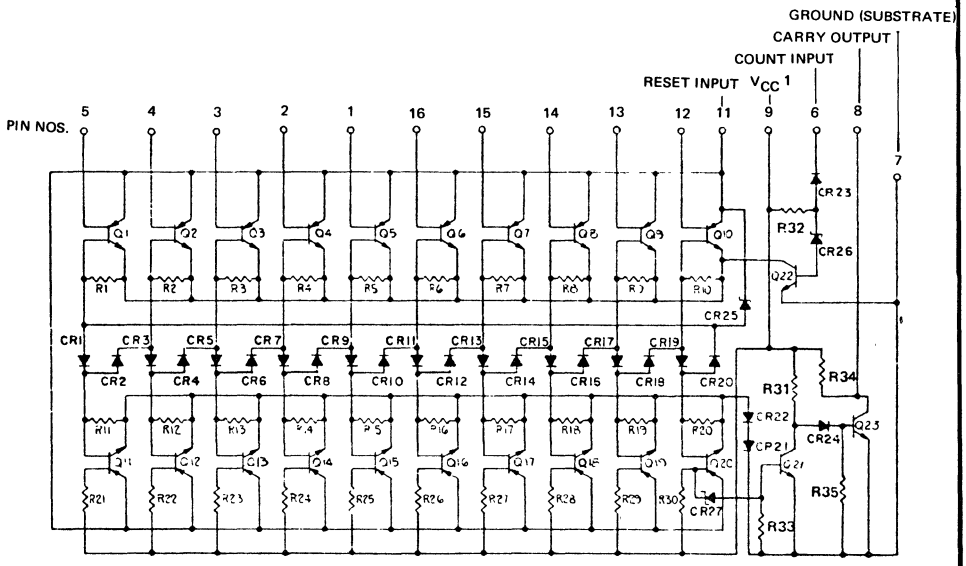
E03-28



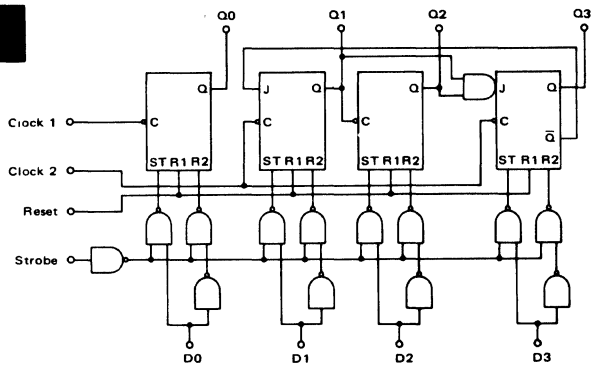
E03-29



E03-30



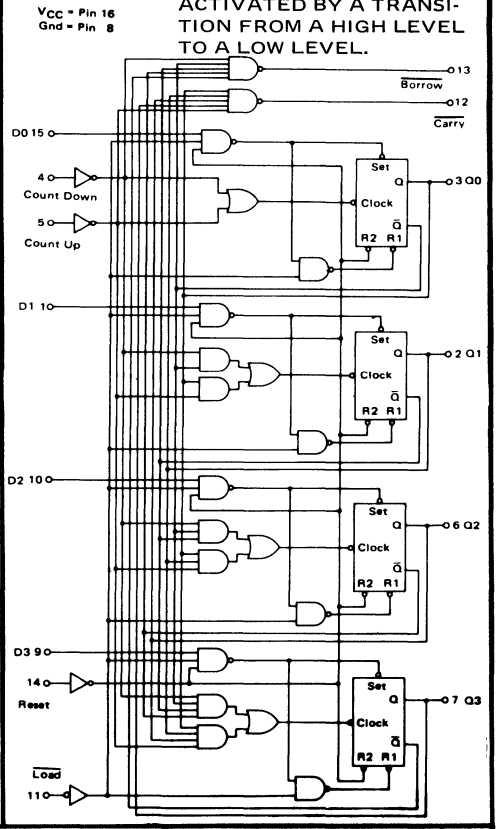
E03-31



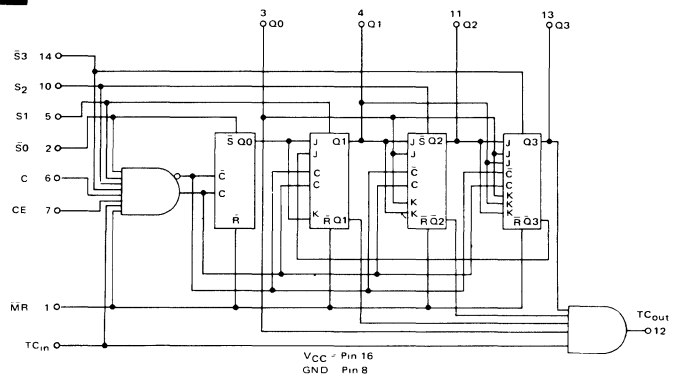
						D				Q					
	PKG	C1	C2	R	S	0	1	2	3	0	1	2	3	VCC	GND
E03-31	FP	12	10	3	5	8	14	7	1	9	13	6	2	4	11
	M	8	6	13	1	4	10	3	11	5	9	2	12	14	7

E03-32

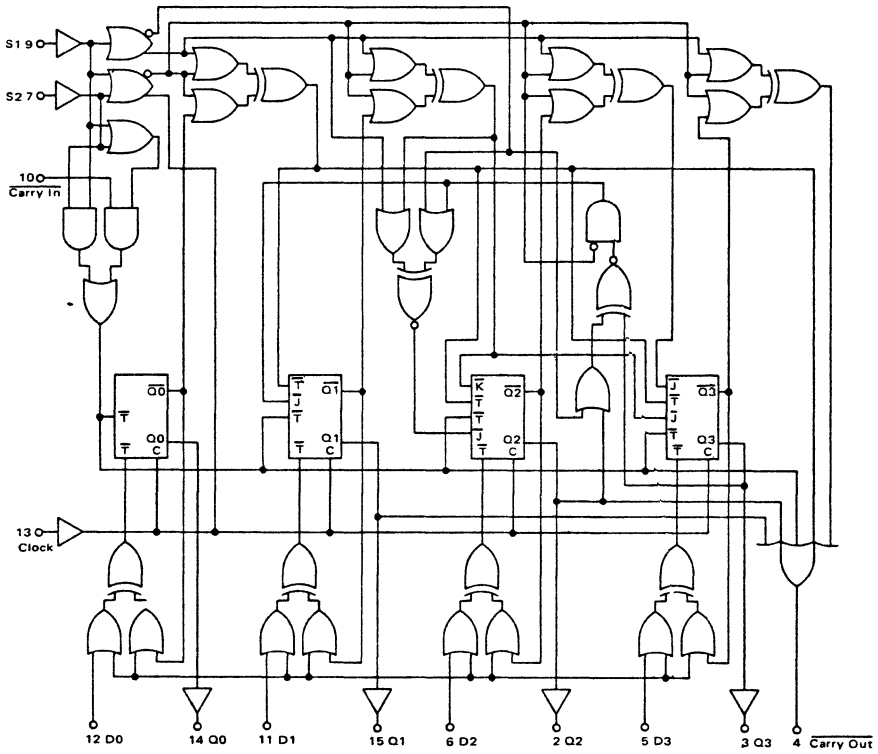
E03-32a — ▷ T AT CLOCK INDICATES DYNAMIC INPUT ACTIVATED BY A TRANSITION FROM A HIGH LEVEL TO A LOW LEVEL.



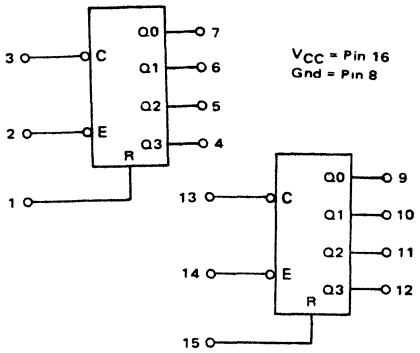
E03-33



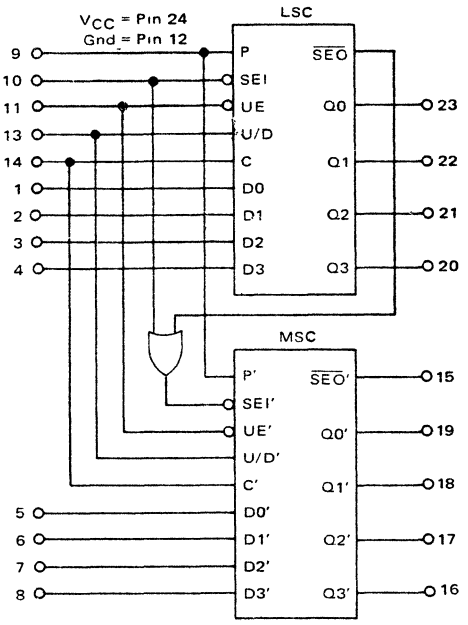
E03-35



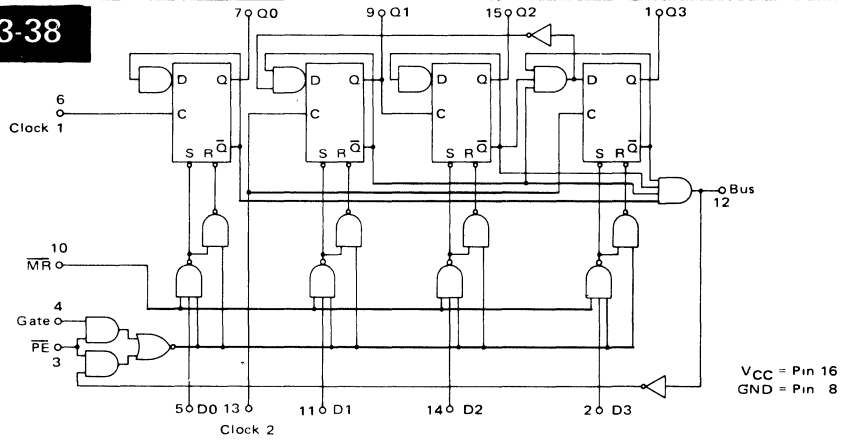
E03-36



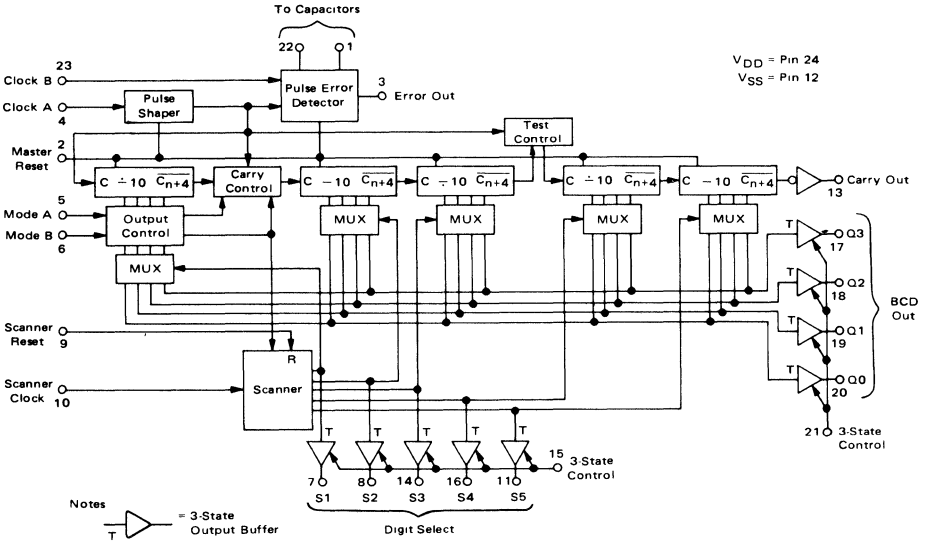
E03-37



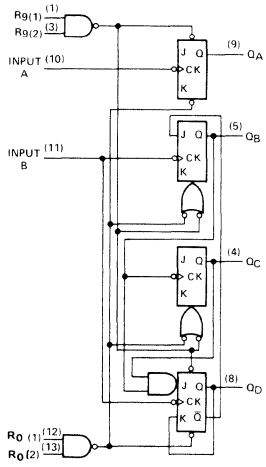
E03-38



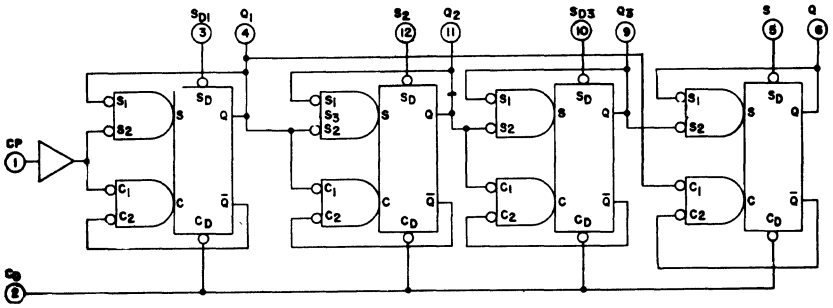
E03-39



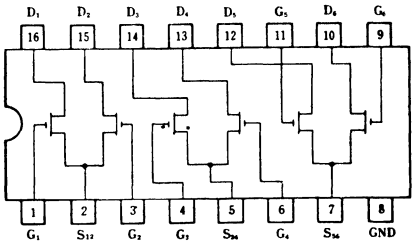
E03-40



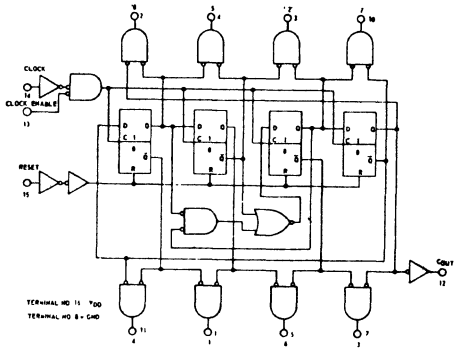
E05-3



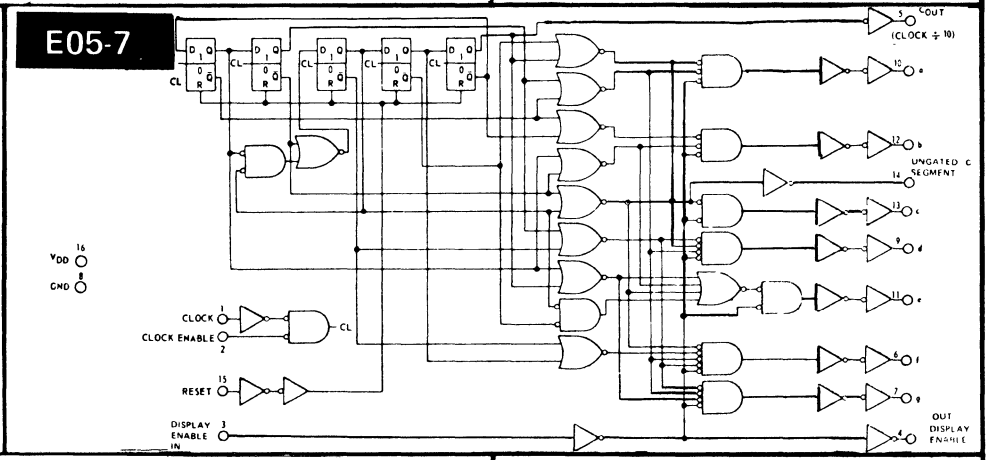
E05-4



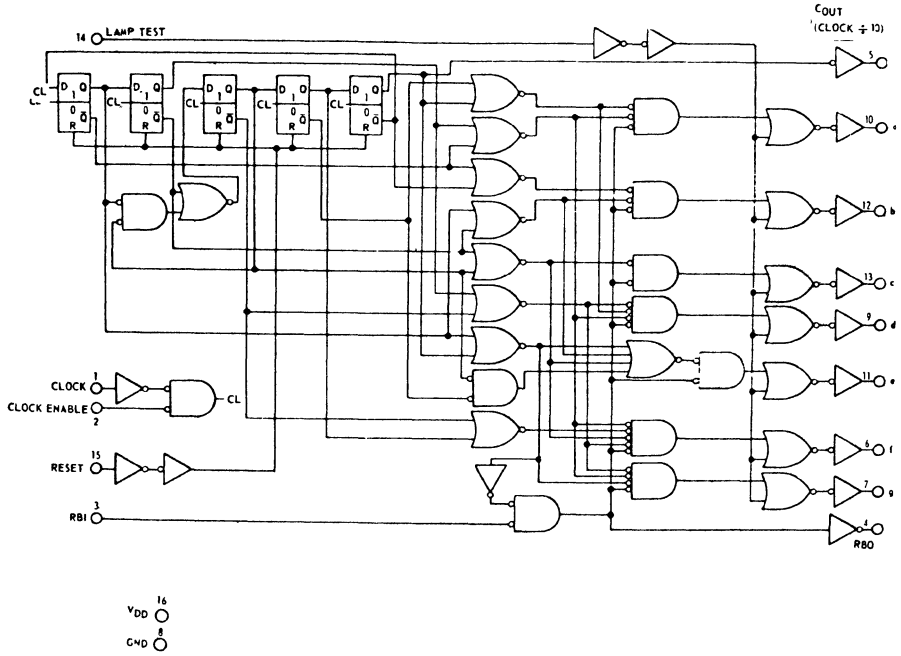
E05-6



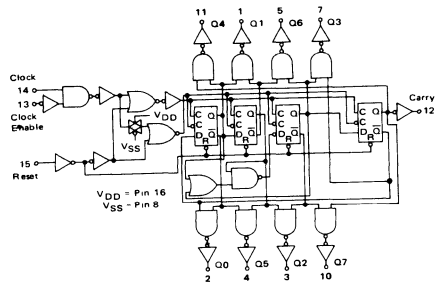
E05-7



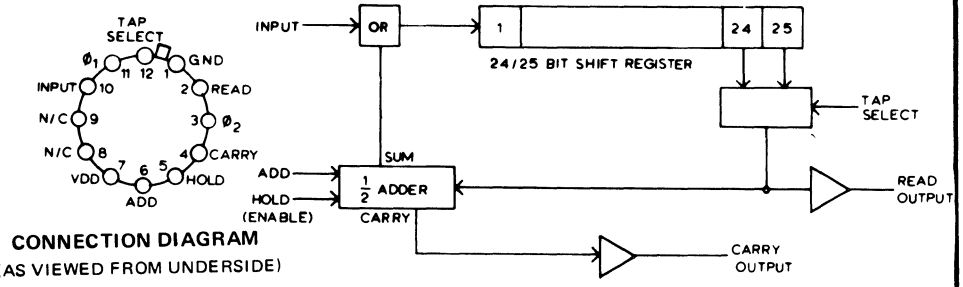
E05-8



E05-9

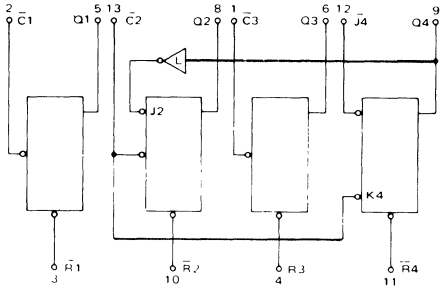


E06-6

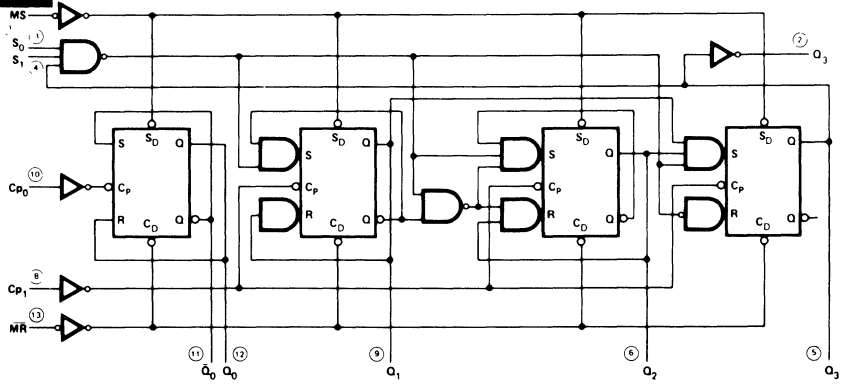


CONNECTION DIAGRAM
(AS VIEWED FROM UNDERSIDE)

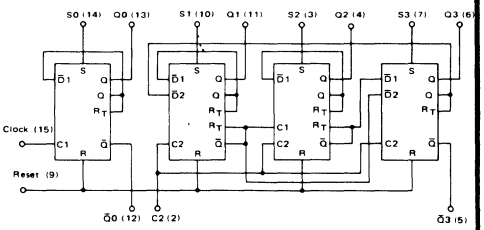
E06-7



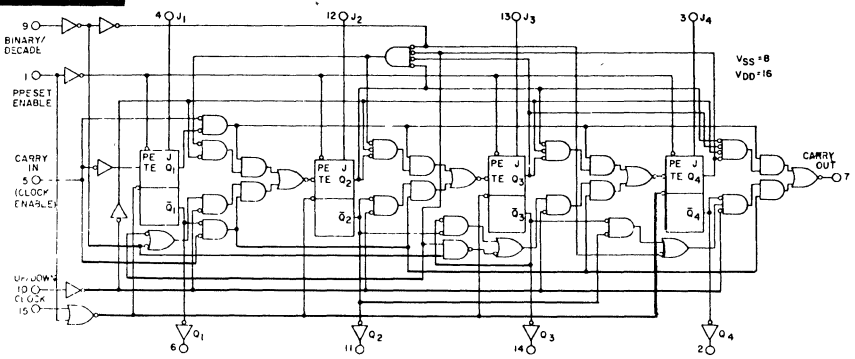
E06-8



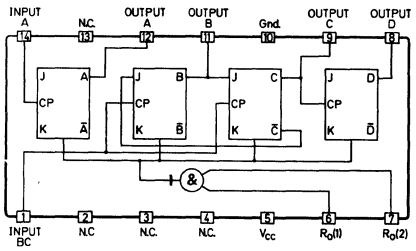
E06-9



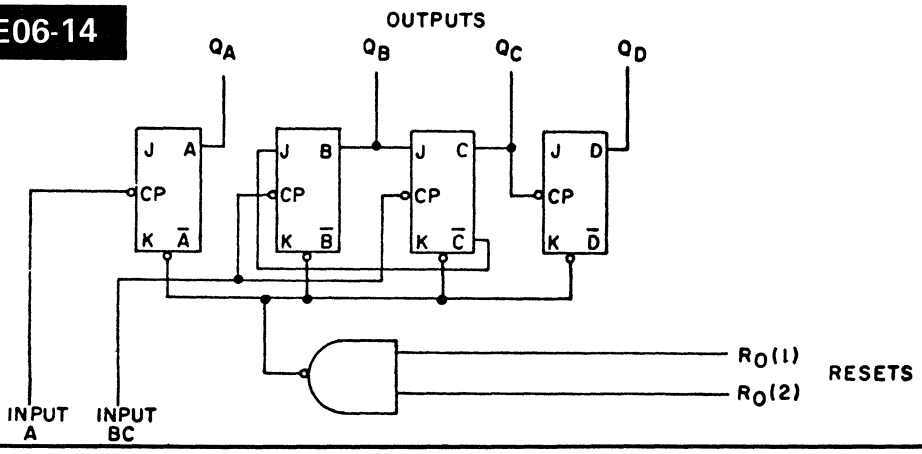
E06-11



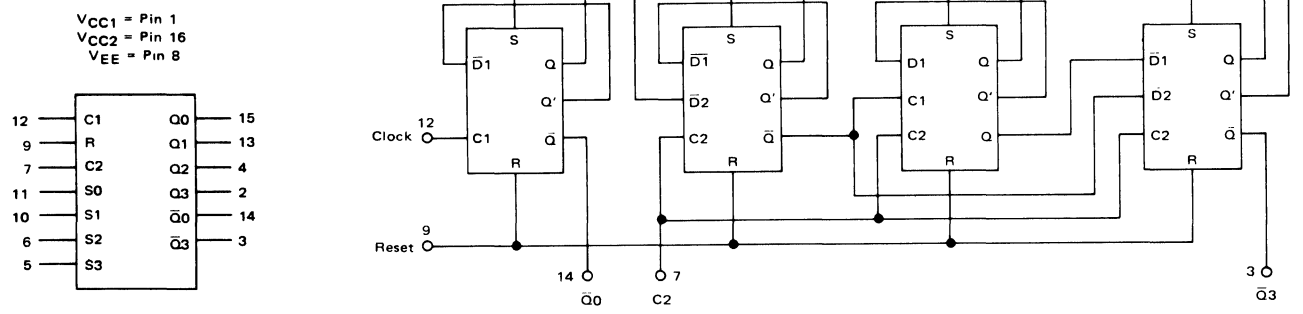
E06-13



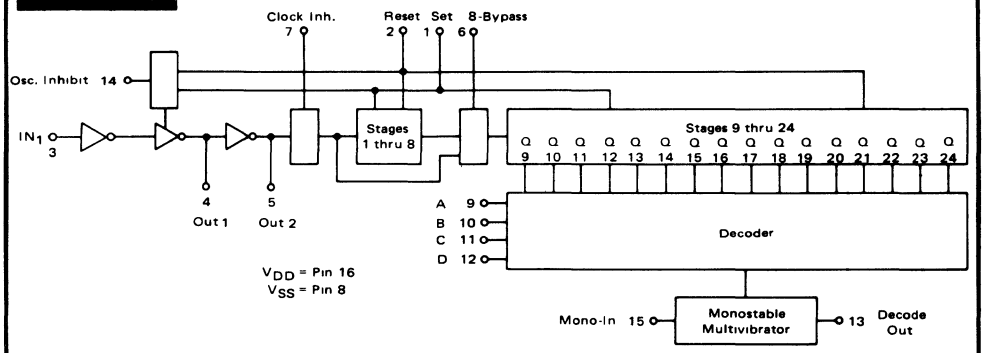
E06-14



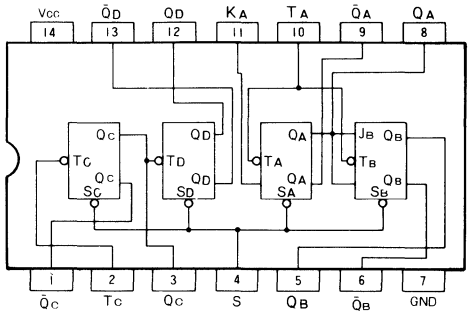
E06-15



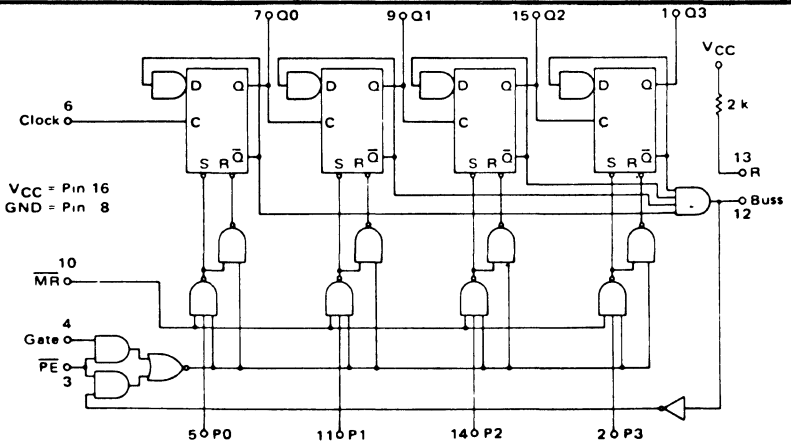
E06-16



E06-17

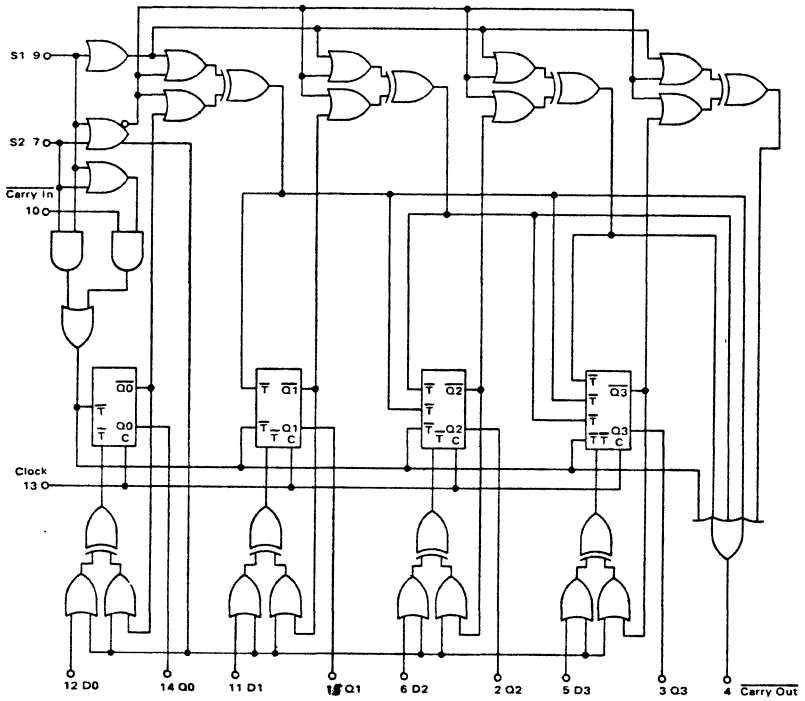


E07-1

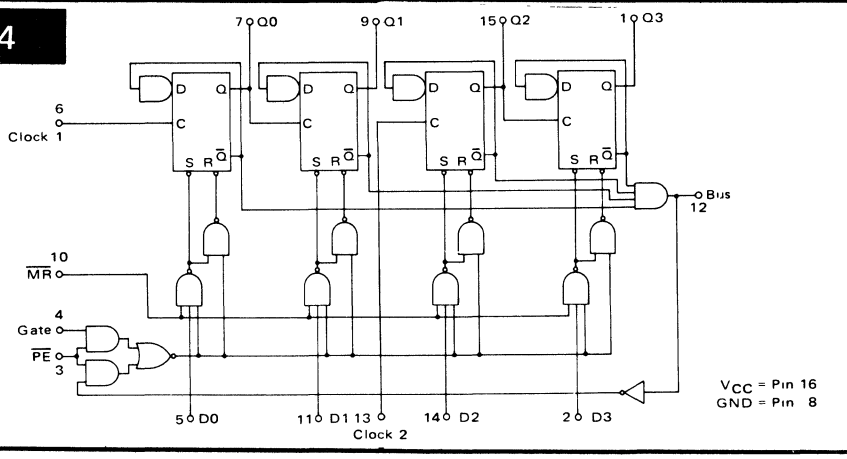


COUNT	OUTPUT			
	Q3	Q2	Q1	Q0
15	1	1	1	1
14	1	1	1	0
13	1	1	0	1
12	1	1	0	0
11	1	0	1	1
10	1	0	1	0
9	1	0	0	1
8	1	0	0	0
7	0	1	1	1
6	0	1	1	0
5	0	1	0	1
4	0	1	0	0
3	0	0	1	1
2	0	0	1	0
1	0	0	0	1
0	0	0	0	0

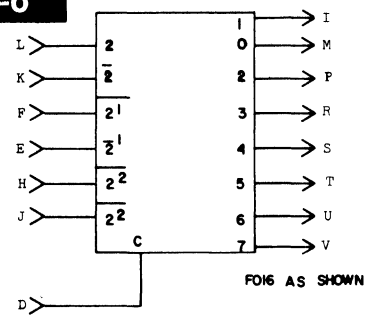
E07-3


S1 9
S2 7
Carry In 10
Clock 13
12 D0
14 Q0
11 D1
15 Q1
6 D2
2 Q2
5 D3
3 Q3
4 Carry Out

E07-4

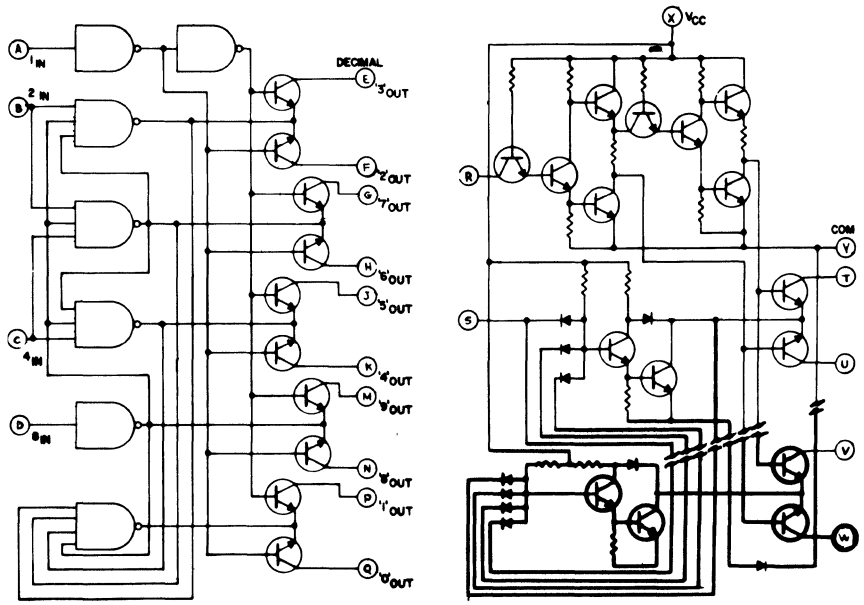

7 Q0
9 Q1
15 Q2
1 Q3
6
Clock 1
Bus 12
10
MR
4
Gate
PE 3
5 D0
11 D1
13 Clock 2
14 D2
2 D3
VCC = Pin 16
GND = Pin 8

F01-6



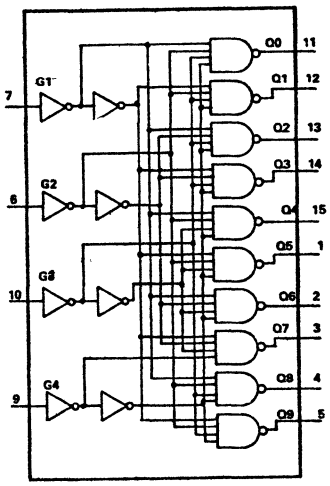
EXT NO	2	$\overline{2}$	2^1	$\overline{2^1}$	2^2	$\overline{2^2}$	C	0	1	2	3	4	5	6	7
FO 16A	L	K	F	E	H	J	D	M	N	P	R	S	T	U	V

F01-19

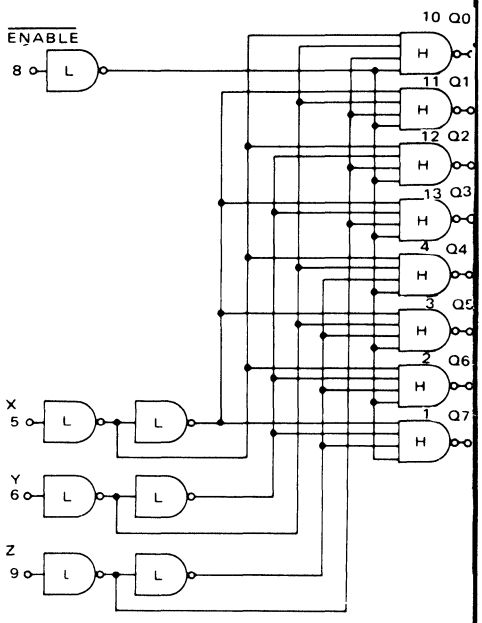


	A	B	C	D	E	F	G	H	J	K	M	N	P	Q	R	S	T	U	V	W	X	Y
F01-19	15	2	3	1	5	4	6	7	10	9	14	13	11	12	15	2	5	4	11	12	16	8
F01-19a	3	6	7	4	9	8	10	11	14	13	2	1	15	16	3	6	9	8	15	16	5.	12

F01-20

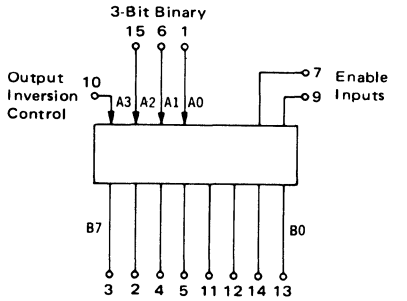


F01-21



V_{CC} = PIN 14
GND = PIN 7

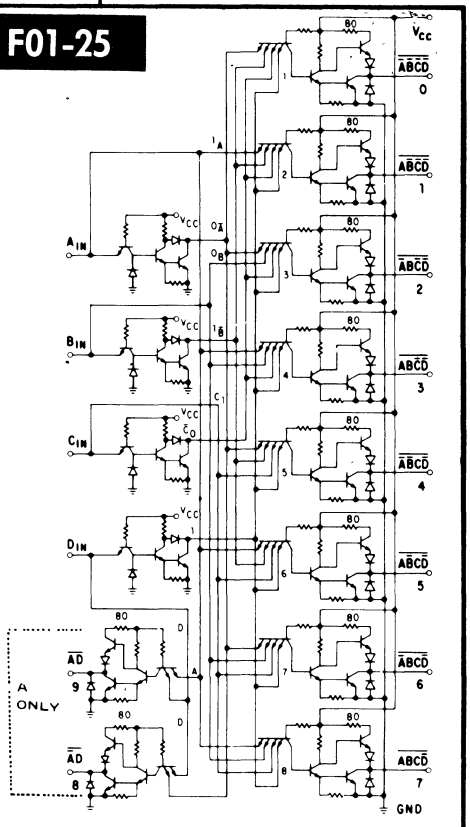
F01-22



V_{CC} = Pin 16
GND = Pin 8

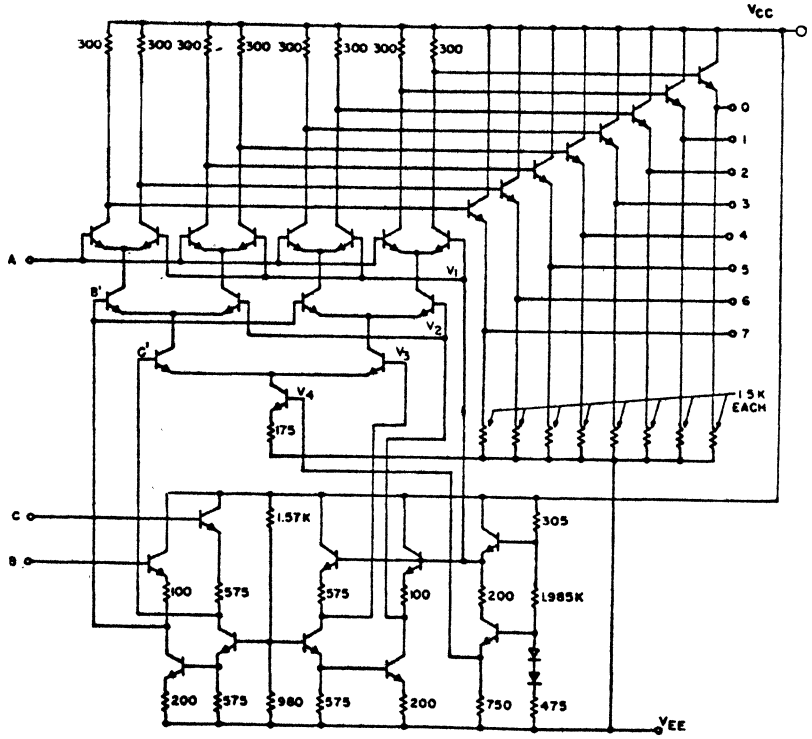
F01-22	3-BIT BINARY, 1-OF-8 OUTPUT
F01-22a	4-BIT BINARY, 2-OF-8 QUTPUT

F01-25

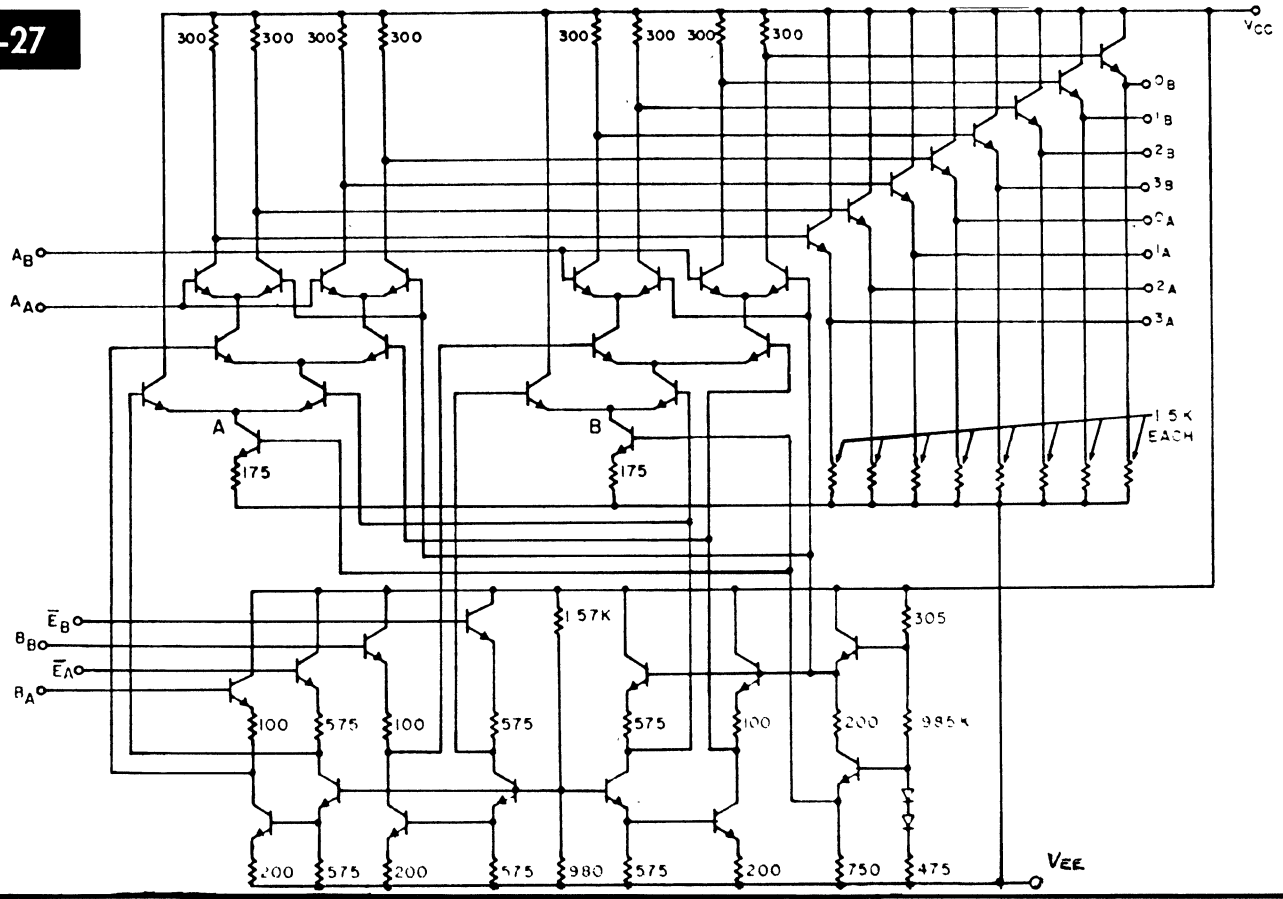


	PKG	A	B	C	D	0	1	2	3	4	5	6	7	V_{CC}	GND
F01-25	FF	1	13	2	3	12	11	10	9	8	4	5	6	14	7
	MF	5	3	6	7	2	1	14	13	12	8	9	10	4	11
F01-25a	FP	15	14	1	2	13	12	11	10	9	7	8	9	16	8

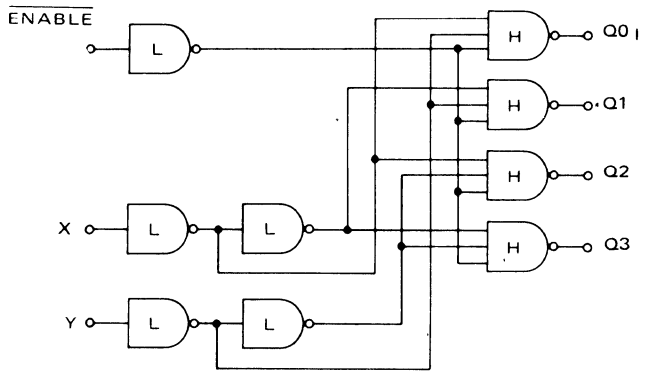
F01-26



F01-27

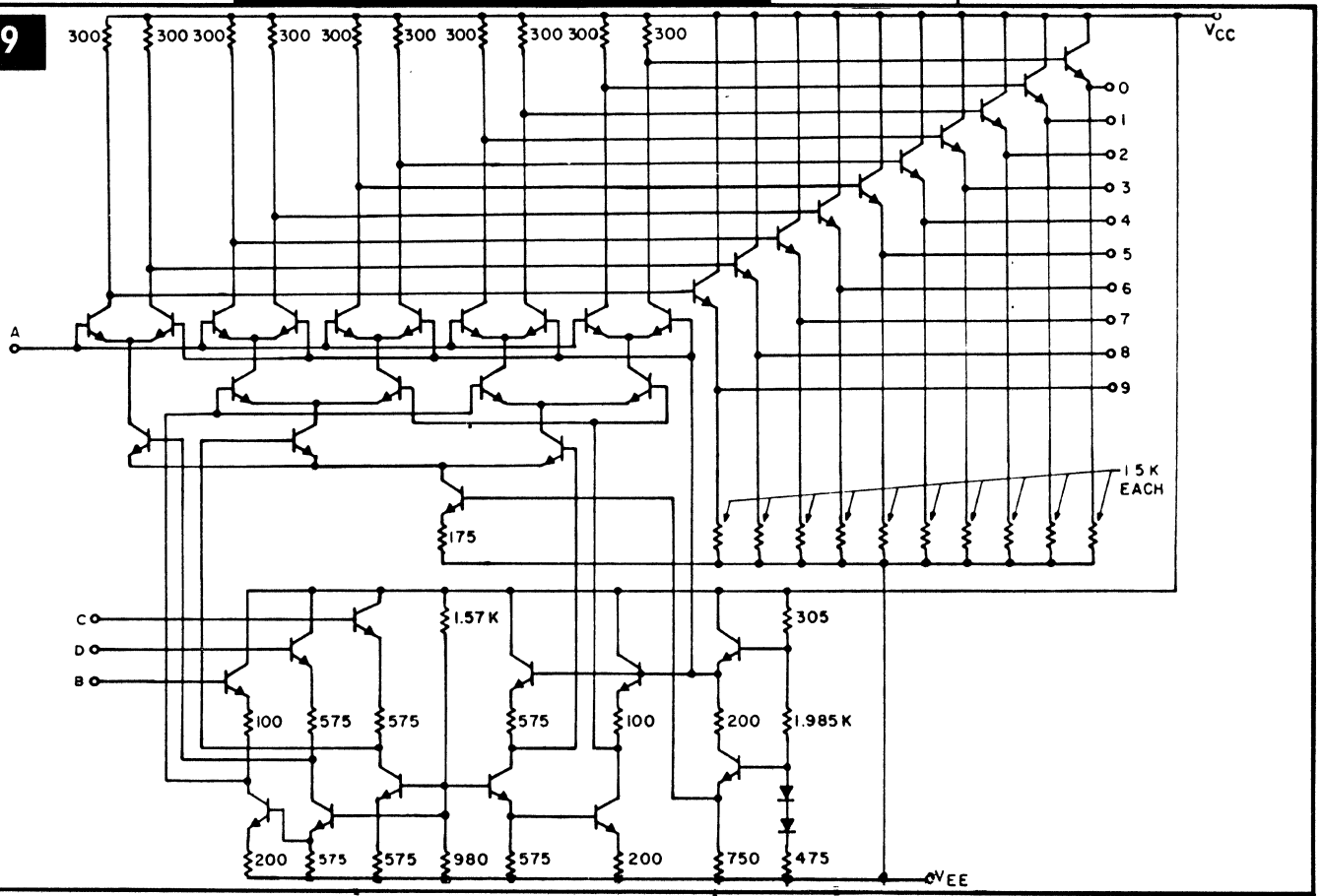


F01-28

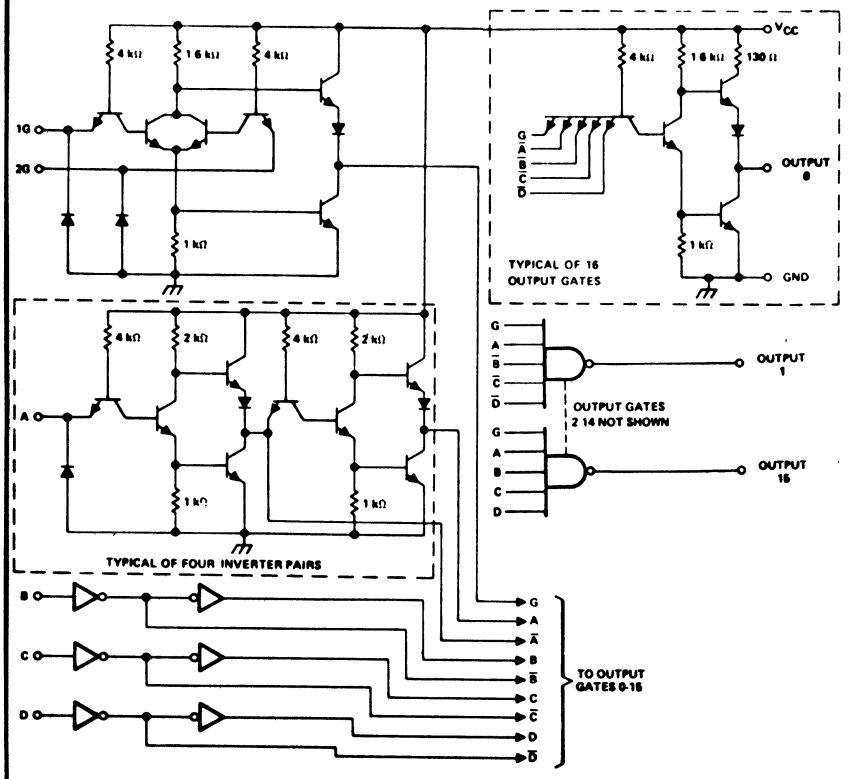


	CKT NO	ENABLE	X	Y	Q_0	Q_1	Q_2	Q_3	V_{CC}	GND
F01-28	1	5	6	7	4	3	2	1	16	8
	2	11	10	9	12	13	14	15		

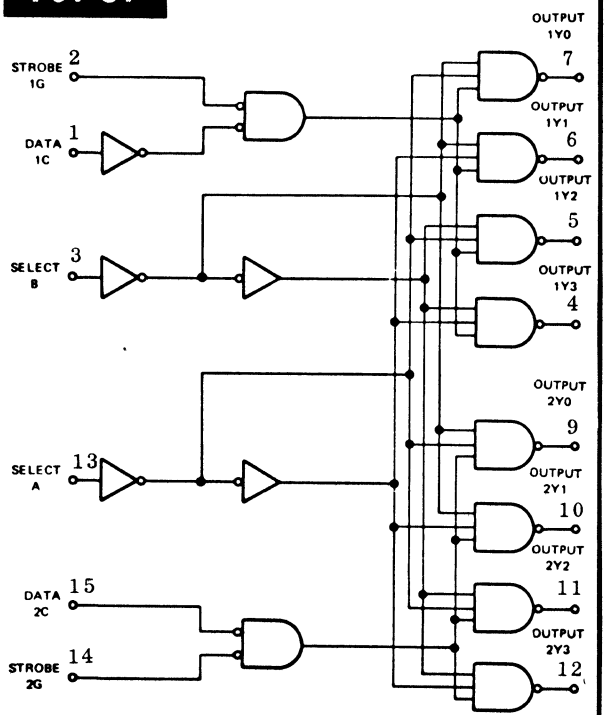
F01-29



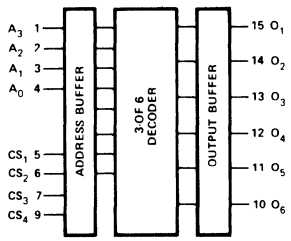
F01-30



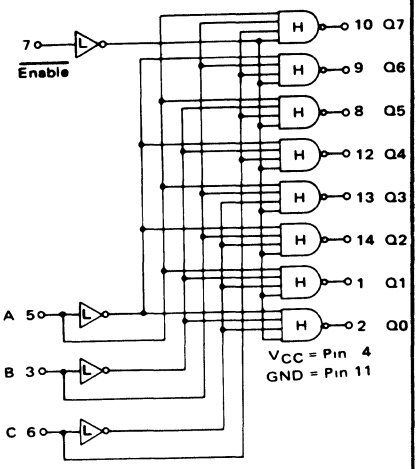
F01-31



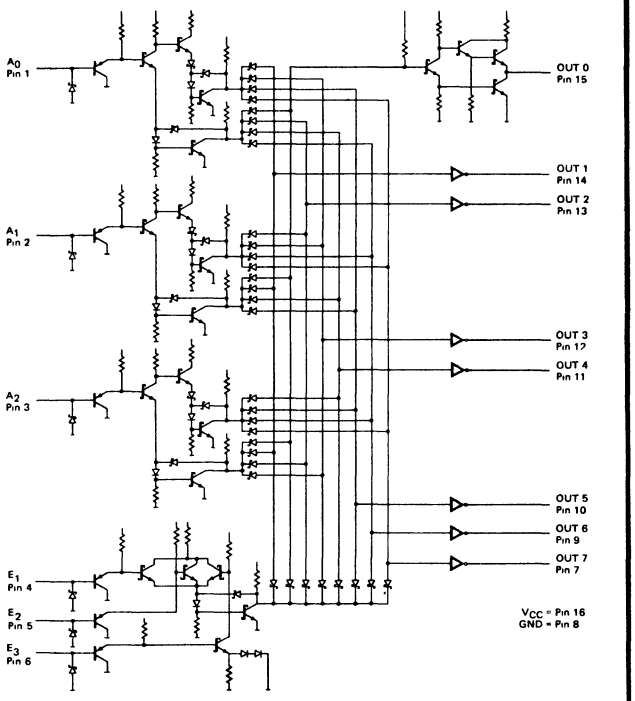
F01-32



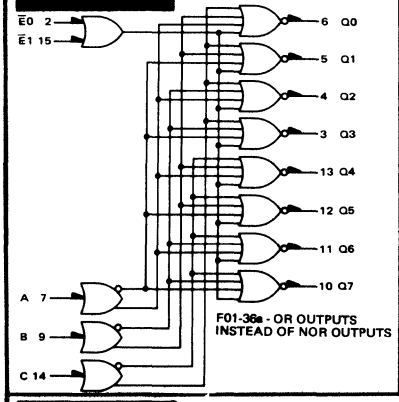
F01-34



F01-35

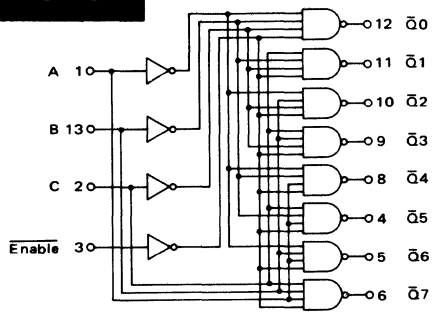


F01-36



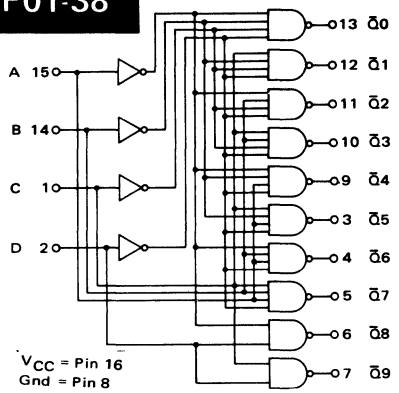
F01-36a - OR OUTPUTS INSTEAD OF NOR OUTPUTS

F01-37



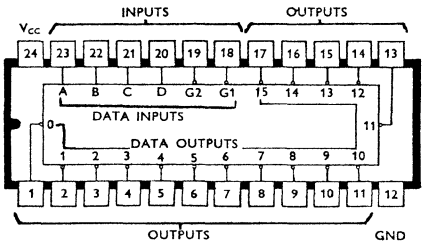
VCC = Pin 14
Gnd = Pin 7

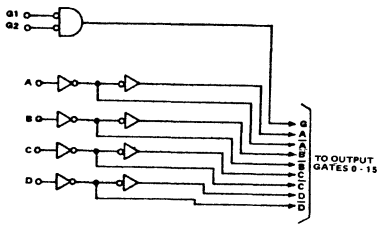
F01-38

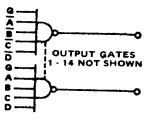


VCC = Pin 16
Gnd = Pin 8

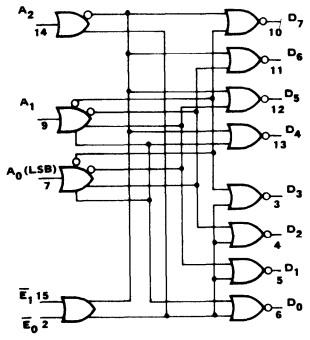
F01-39



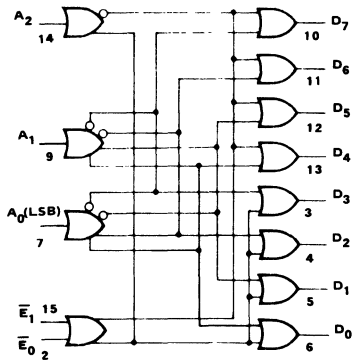




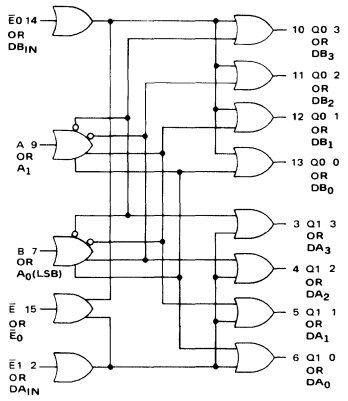
F01-42



F01-43

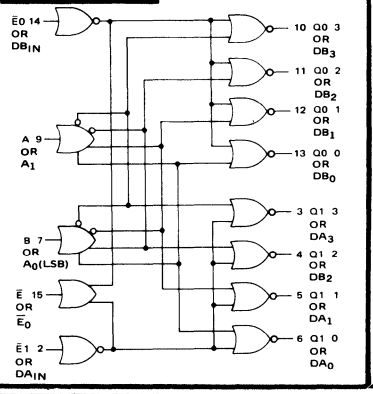


F01-44

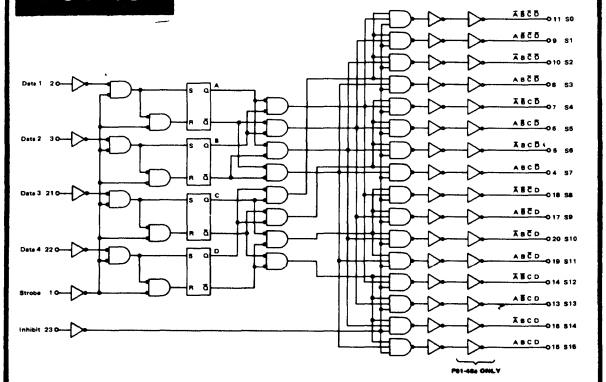


F01-45

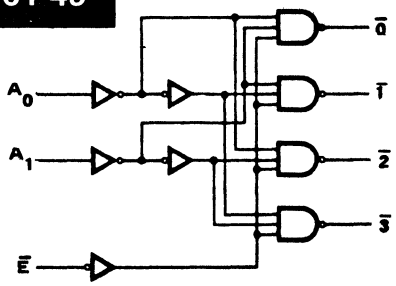
VCC1 = Pin 1
VCC2 = Pin 16
VEE = Pin 8



F01-46

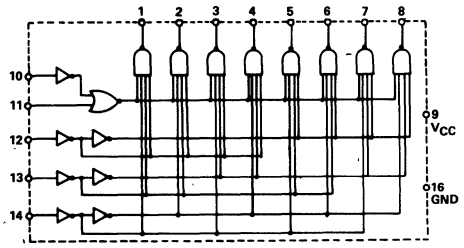


F01-49

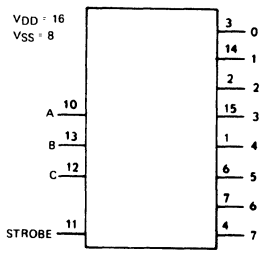


	CKT	A0	A1	E	0	1	2	3
F01-49	1	2	3	1	4	5	6	7
	2	14	13	15	12	11	10	9

F01-50



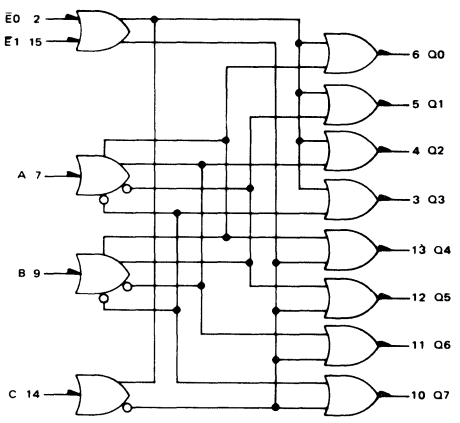
F01-51



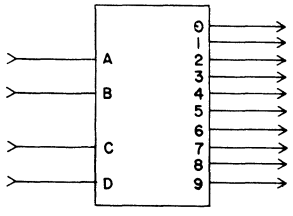
F01-52

VCC1 = Pin 1
VCC2 = Pin 16
VEE = Pin 8

F01-52a — HAS INVERTED OUTPUT

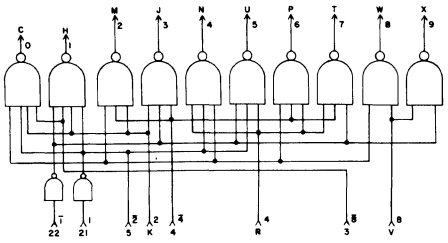


F02-29

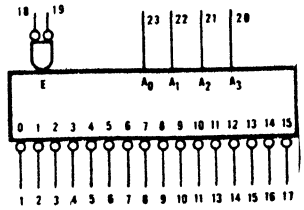


	CKT	A	B	C	D	0	1	2	3	4	5	6	7	8	9	VCC	GND
F02-29	1	3	6	7	4	16	15	8	9	13	14	11	10	1	2	5	12
F02-29a	1	15	14	13	12	1	2	3	4	5	6	7	9	10	11		
F02-29b	1	15	2	21	20	14	6	15	7	16	6	17	5	18	4		
F02-29c	1	37	41	49	47	35	39	44	42	40	50	48	43	45	46		
	2	19	23	31	29	20	21	26	24	22	32	30	25	27	28		
	3	3	7	15	13	4	5	10	8	6	16	14	9	11	12		

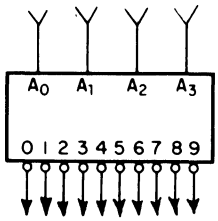
F02-31



F02-32

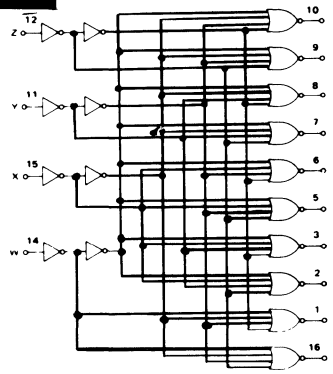


F02-33

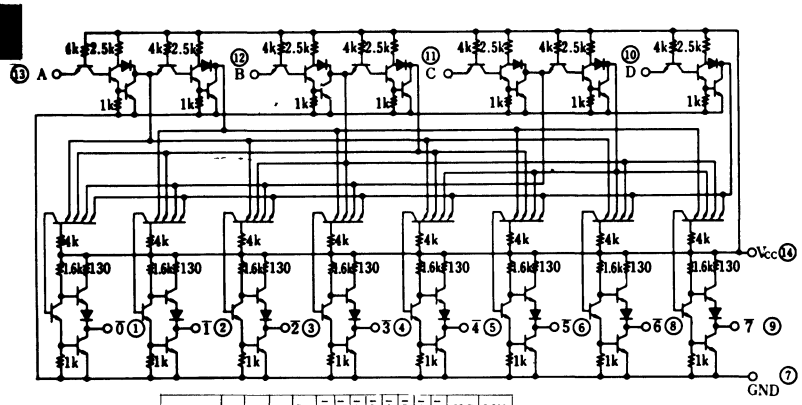


	A0	A1	A2	A3	0	1	2	3	4	5	6	7	8	9
F02-33	15	14	1	2	13	12	11	10	9	3	4	5	6	7
F02-33a	3	6	7	4	16	15	8	9	13	14	11	10	1	2
F02-33b	15	2	3	1	12	11	4	5	9	10	7	6	13	14
F02-33c	15	14	13	12	1	2	3	4	5	6	7	9	10	11

F02-34

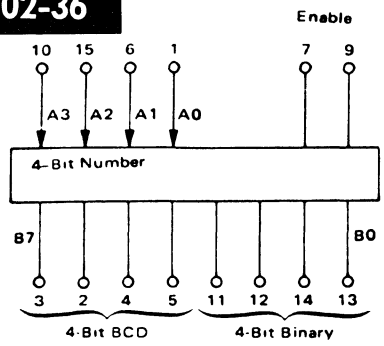


F02-35

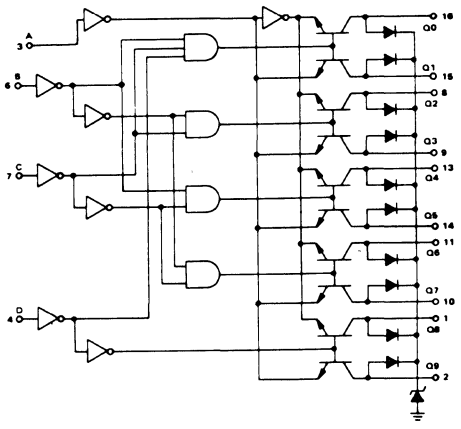


CKT NO	A	B	C	D	0	1	2	3	4	5	6	7	VCC	COM
1	13	12	11	10	1	2	3	4	5	6	8	9	14	7

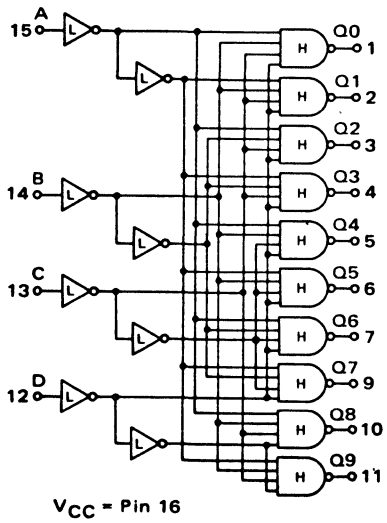
F02-36



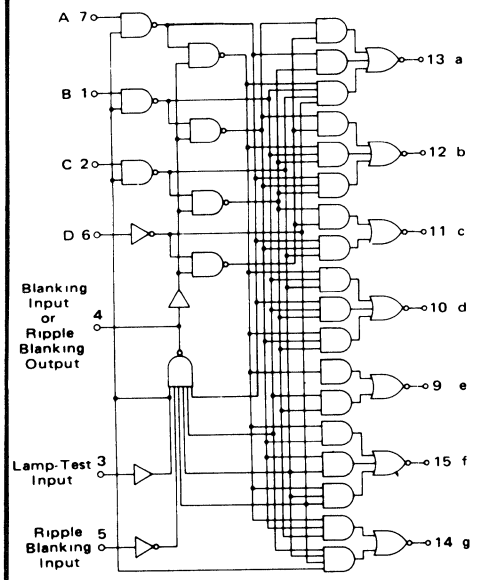
F02-37



F02-43



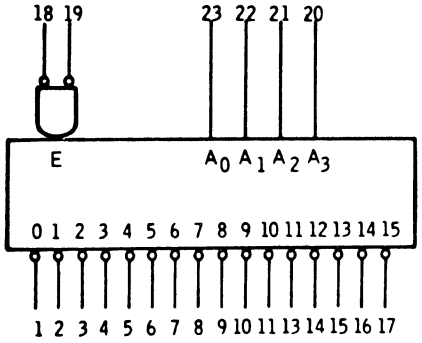
F02-44



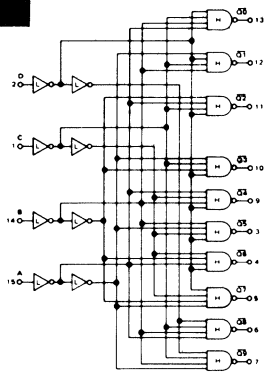
V_{CC} = Pin 16
GND = Pin 8

F02-45

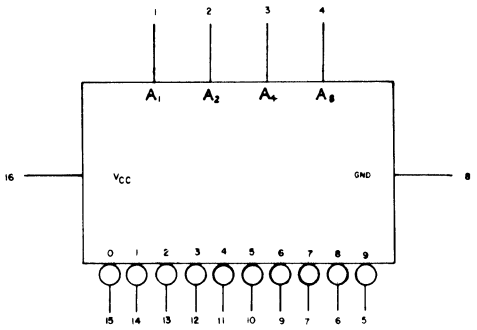
V_{CC} = PIN 24
Gnd = PIN 12



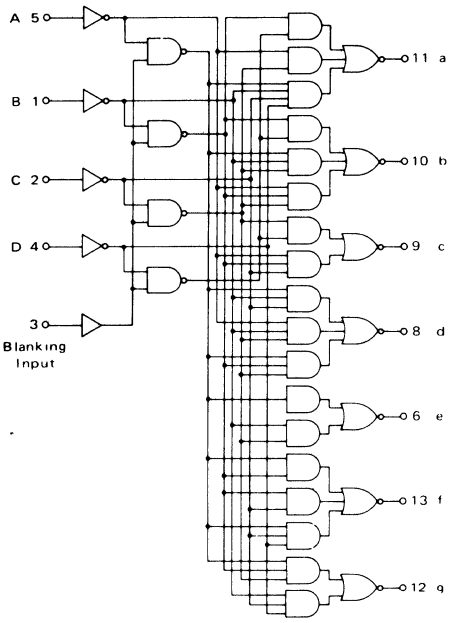
F02-46



F02-47

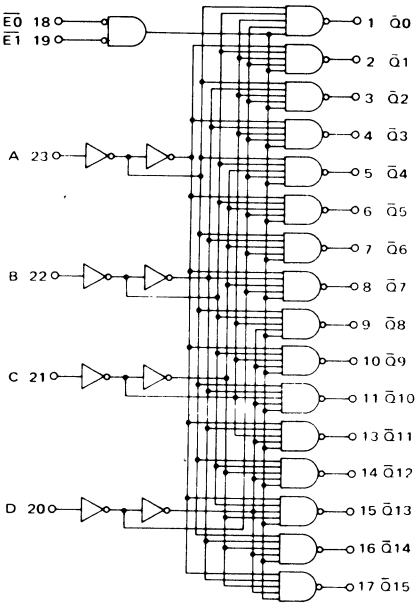


F02-48



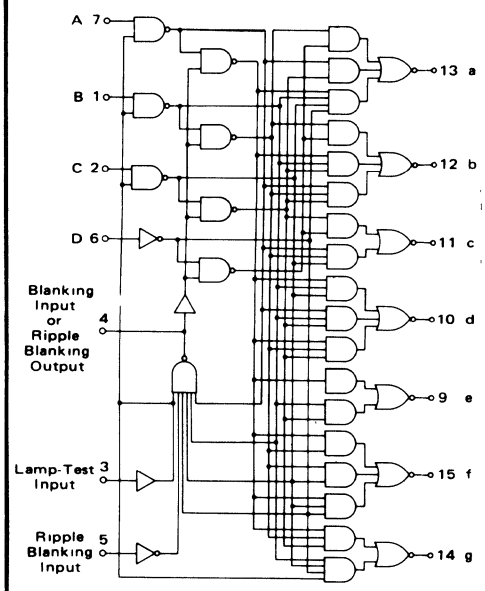
V_{CC} Pin 14
GND Pin 7

F02-49

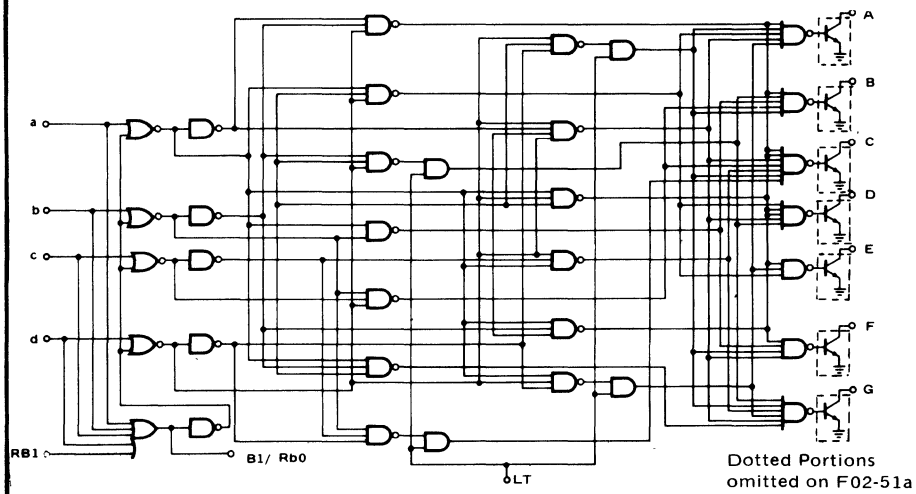


V_{CC} = Pin 24
GND = Pin 12

F02-50



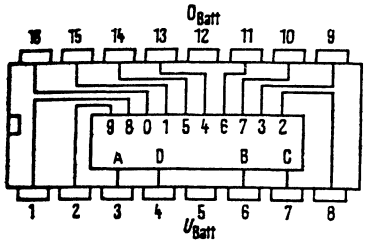
F02-51



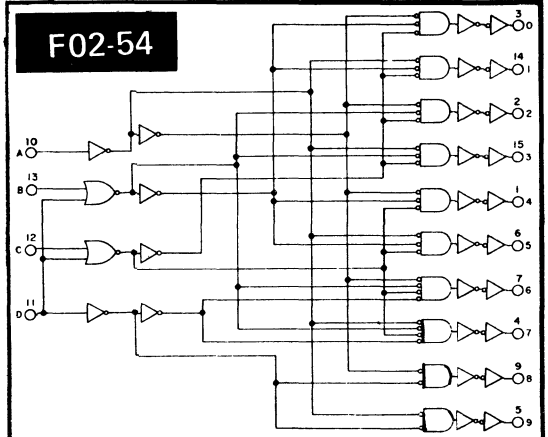
Dotted Portions omitted on F02-51a

	a	b	c	d	RB1	B1/RB0	LT	A	B	C	D	E	F	G	VCC	GND
F02-51	1	2	15	14	7	10	13	3	4	5	6	9	11	12	16	8

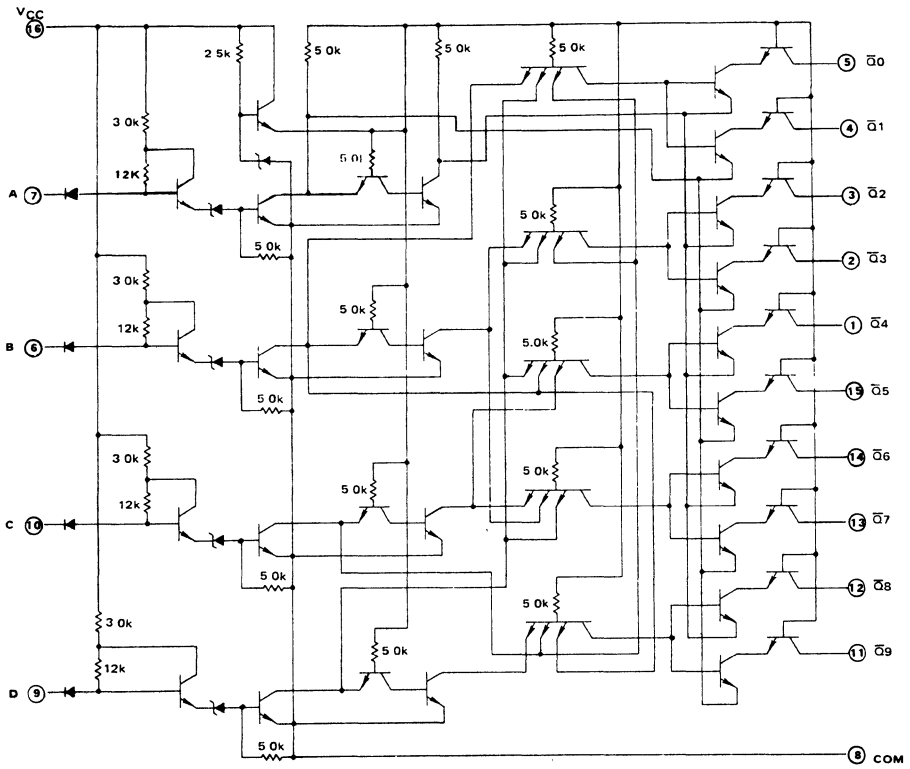
F02-53



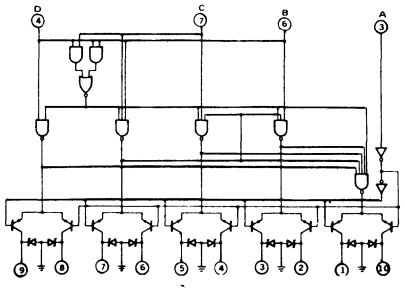
F02-54



F02-55



F02-57



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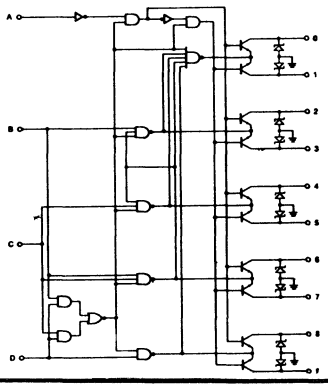
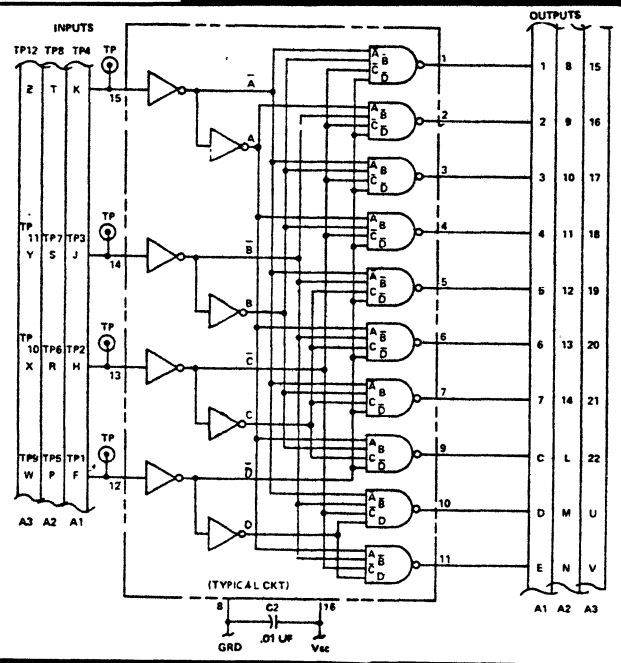
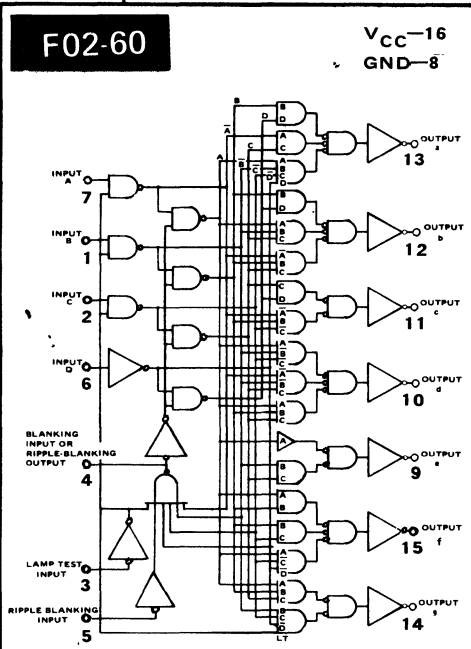


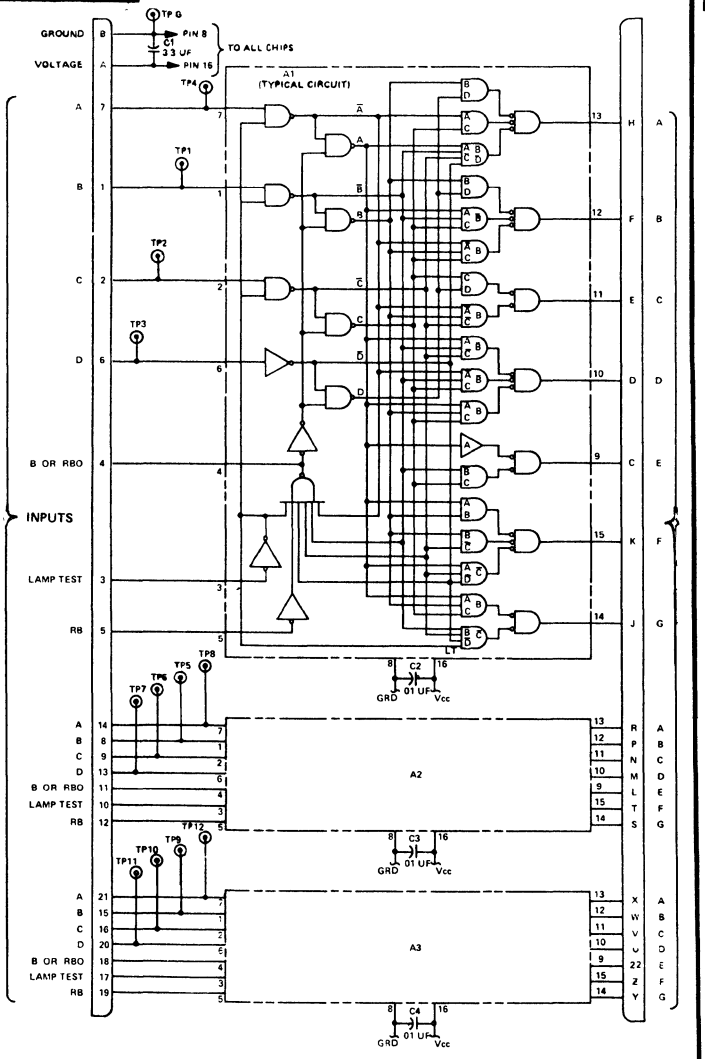
F02-59



F02-60



F02-61



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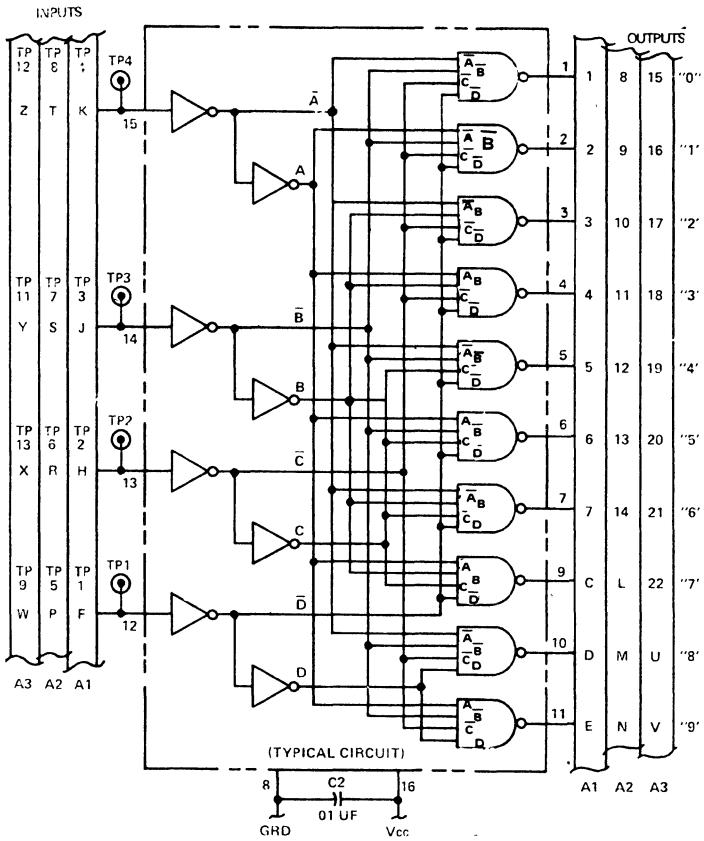

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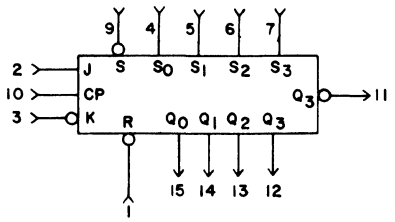

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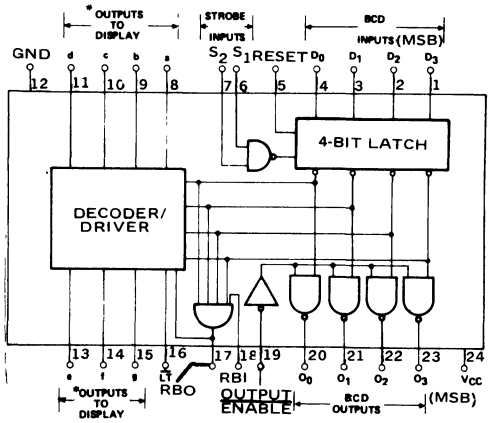

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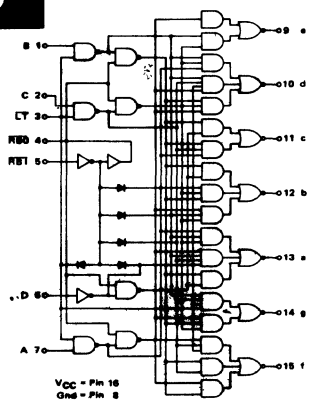

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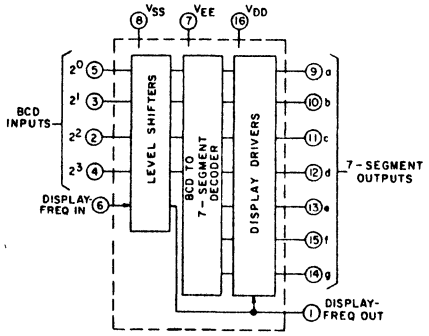

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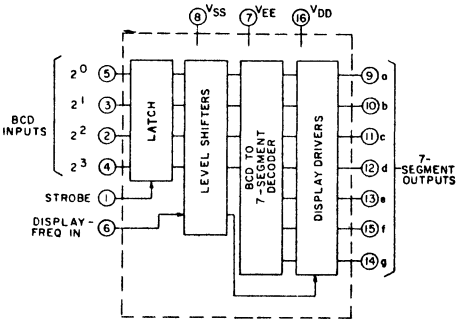

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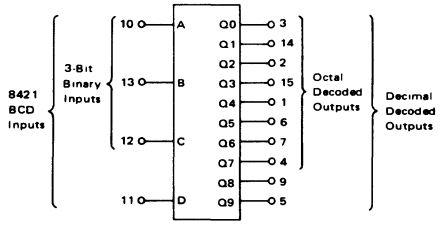
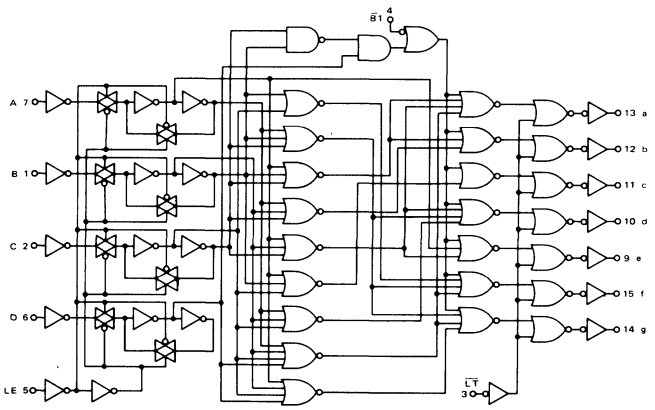
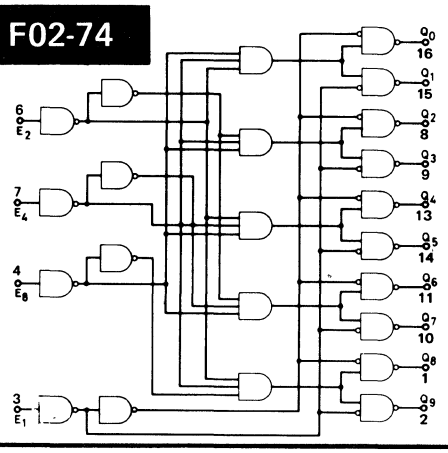


VDD = Pin 16
VSS = Pin 8

F02-73



F02-74



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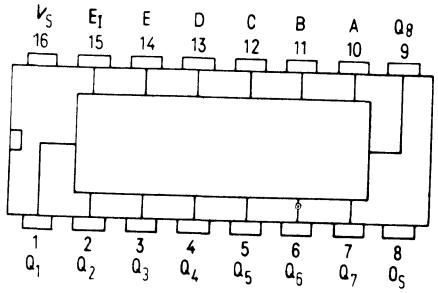
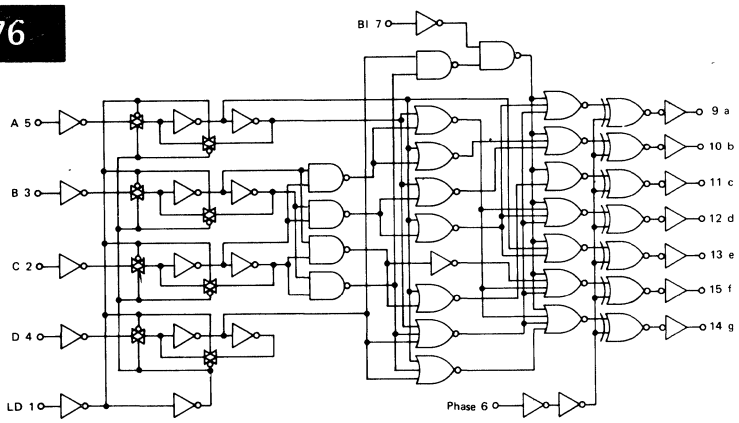
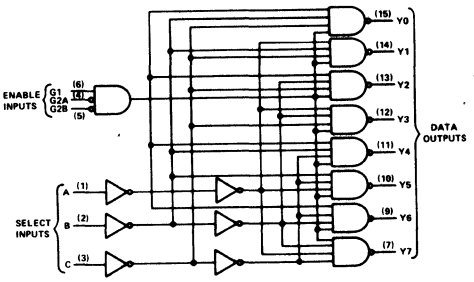


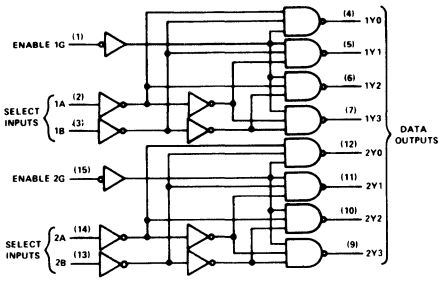
F02-76



F02-77



F02-78



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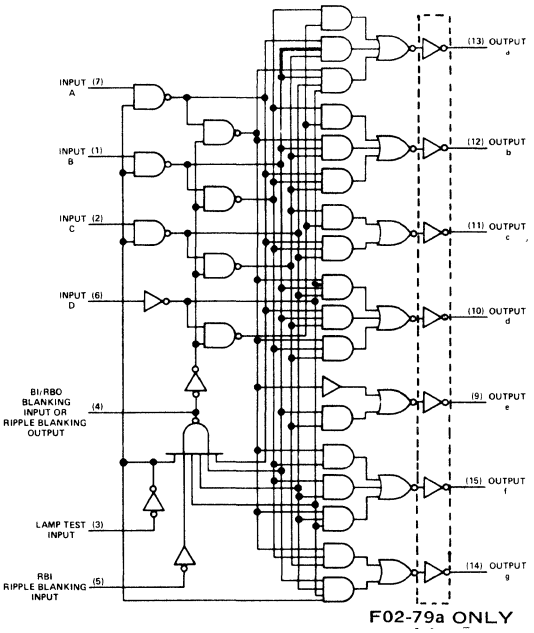
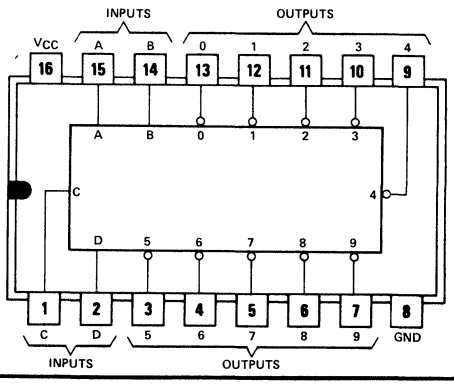


F02-79a ONLY

F02-80

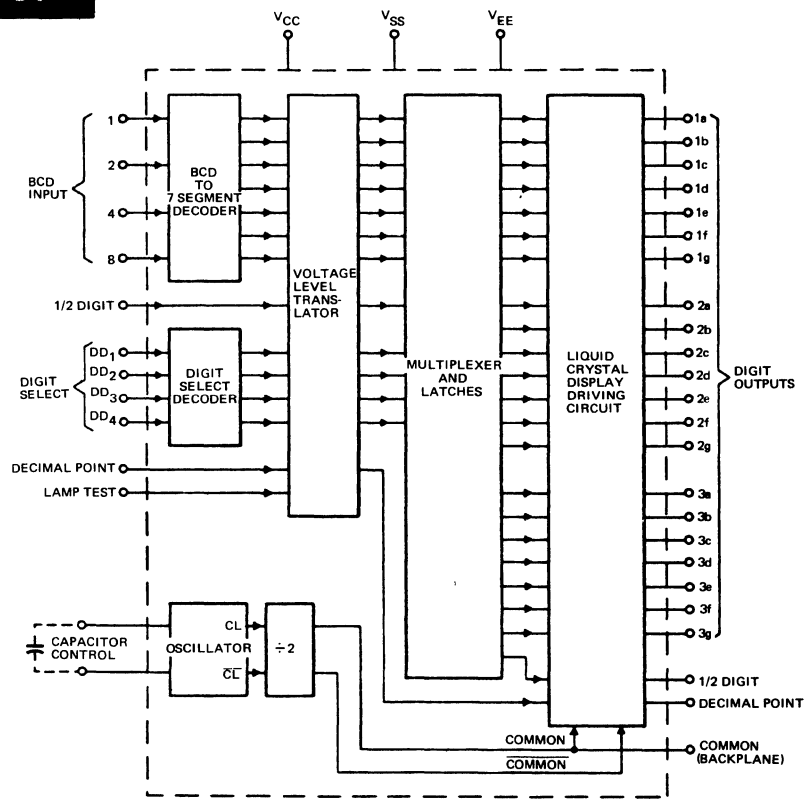


F02-81

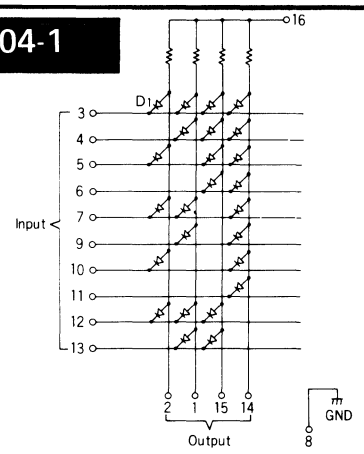
F02-82

F02-83

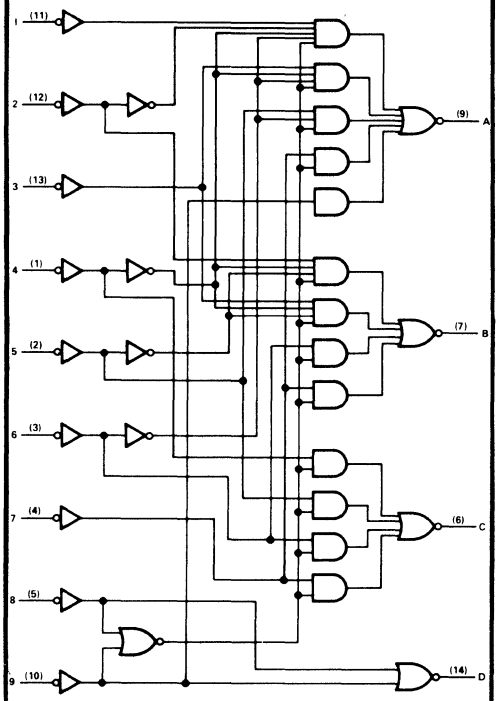
F02-81



F04-1



F04-2



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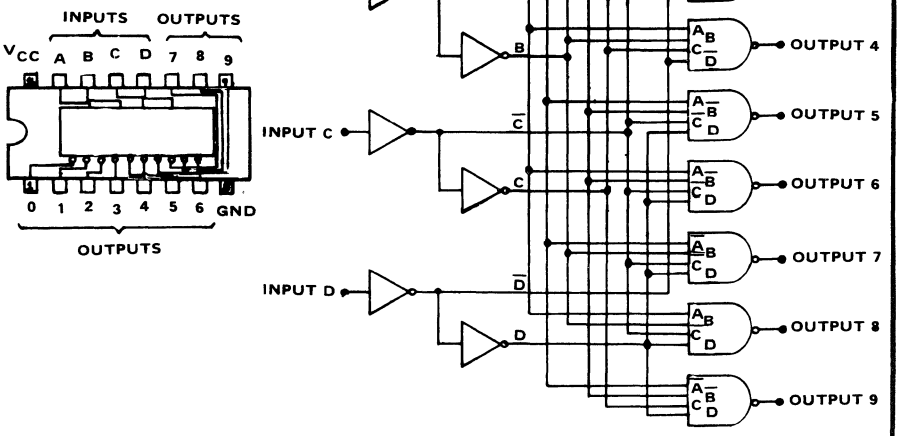

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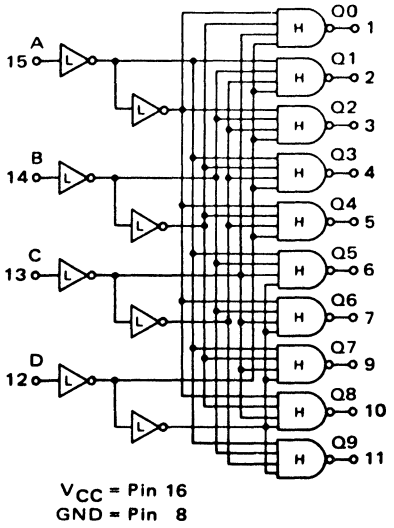
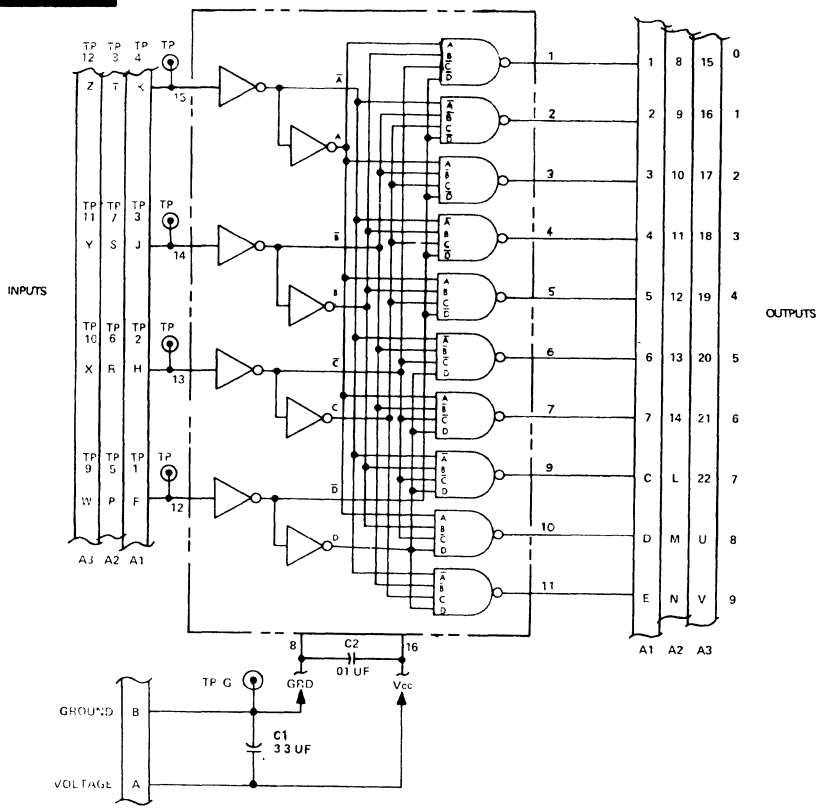
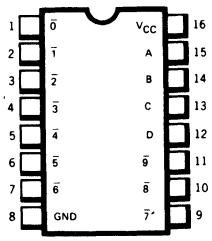


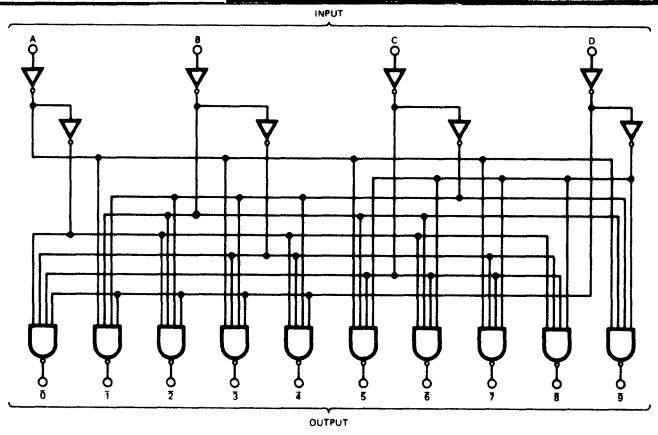
V_{CC} = Pin 16
GND = Pin 8

F05-4

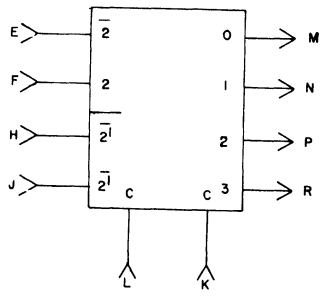


F05-5

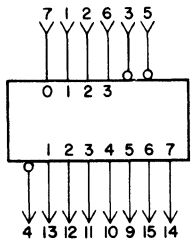




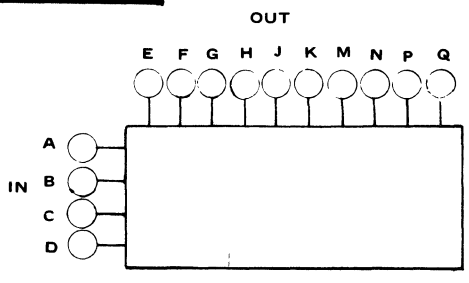
F07-3



F17-5

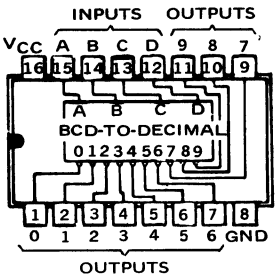


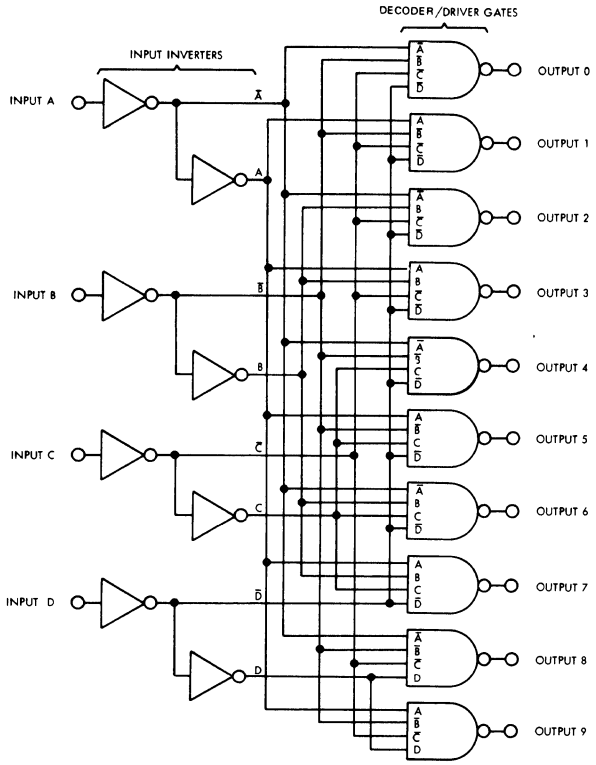
F17-6



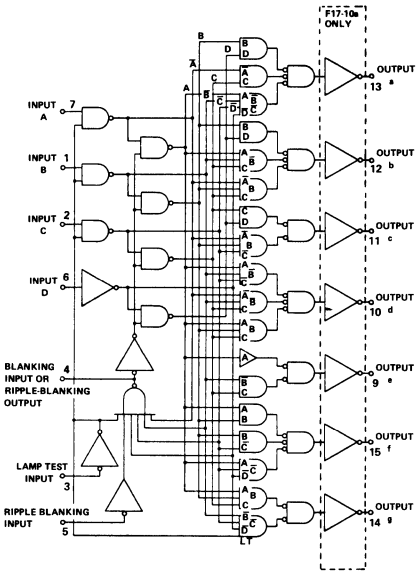
	CKT	A	B	C	D	E	F	G	H	J	K	M	N	P	Q
F17-6	1	8	7	15	14	9	5	10	4	11	3	13	2	12	1
F17-6a	1	37	41	38	39	40	47	50	48	43	45	46	49	42	44
	2	19	23	20	21	22	29	32	30	25	27	28	31	24	26
	3	3	7	4	5	6	13	16	14	9	11	12	15	8	10

F17-9





F17-10



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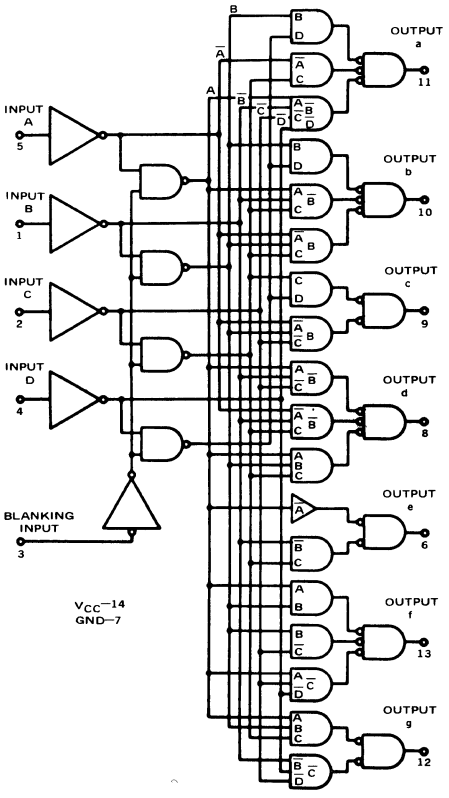
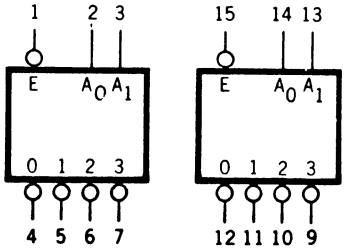
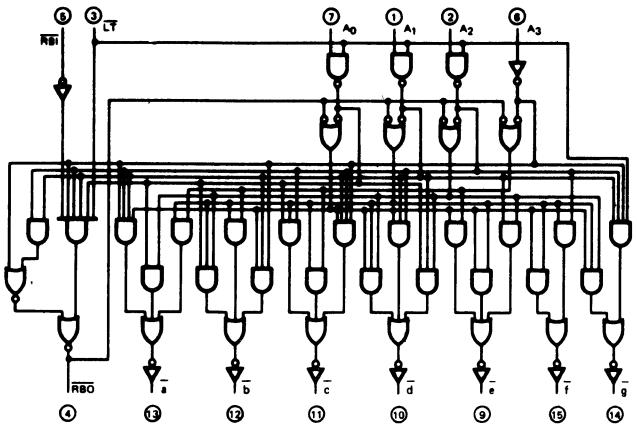


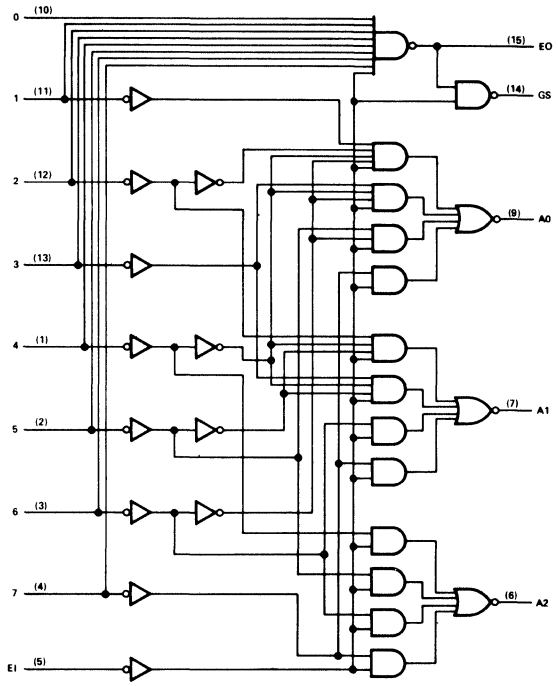
F17-14



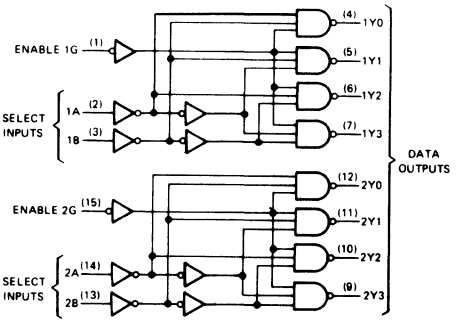
F17-17



F18-1



F19-1



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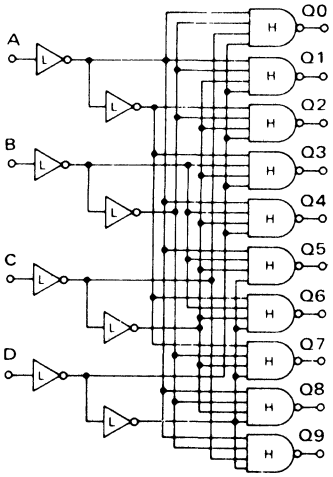
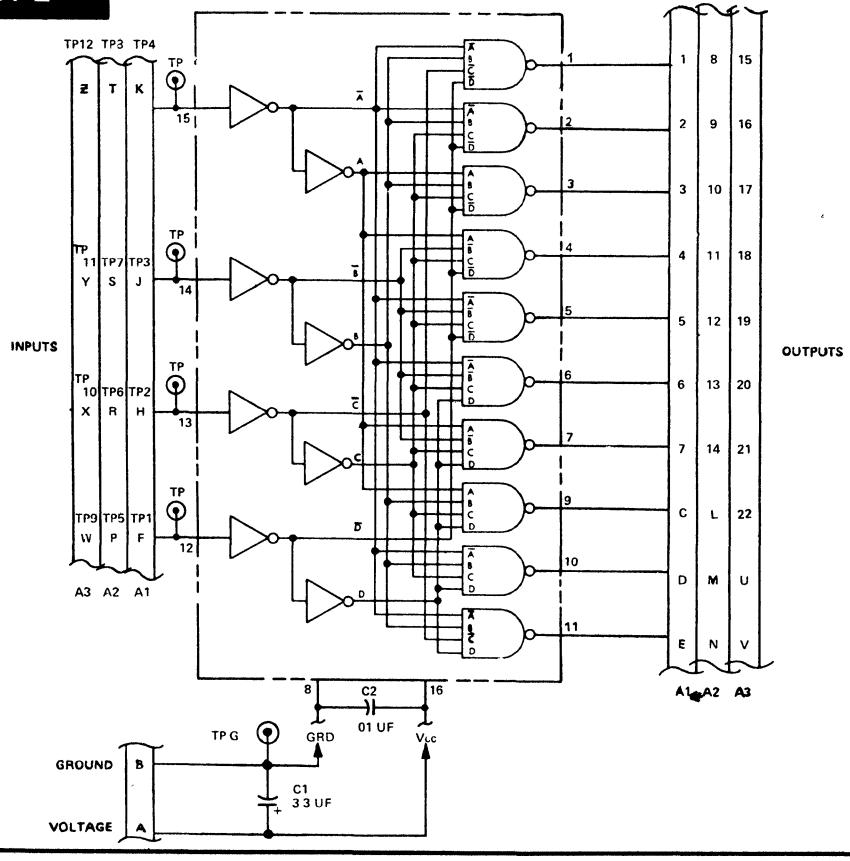
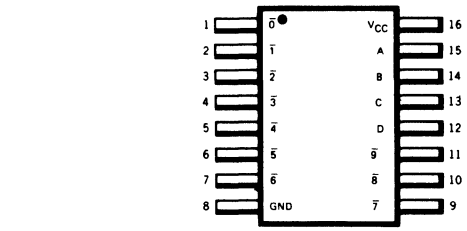


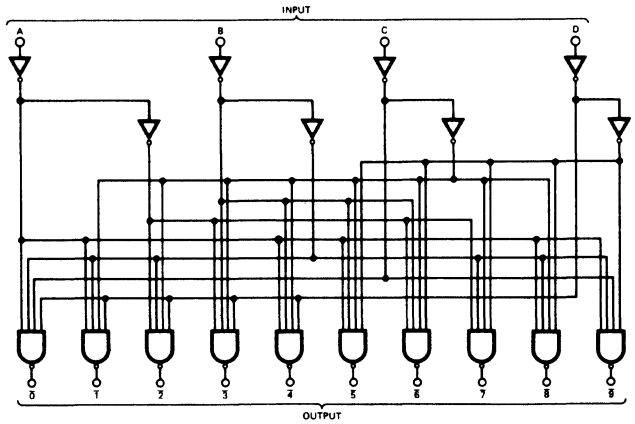
	INPUT				OUTPUT											
	A	B	C	D	0	1	2	3	4	5	6	7	8	9	VCC	GND
F21-1	15	14	13	12	1	2	3	4	5	6	7	9	10	11	16	8
F21-1a	15	14	1	2	13	12	11	10	9	3	4	5	6	7	16	8

F21-2

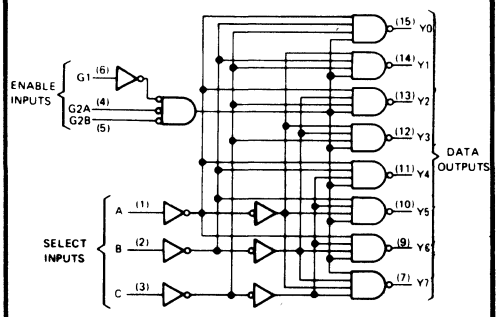


F21-3

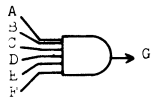

1 Ō
2 Ī
3 Ī2
4 Ī3
5 Ī4
6 Ī5
7 Ī6
8 GND
VCC 16
A 15
B 14
C 13
D 12
Ī9 11
Ī8 10
Ī7 9


INPUT
A
B
C
D
Ō
Ī
Ī2
Ī3
Ī4
Ī5
Ī6
Ī7
Ī8
Ī9
OUTPUT

F23-1


ENABLE INPUTS
G1 (6)
G2A (4)
G2B (5)
SELECT INPUTS
A (1)
B (2)
C (3)
(15) Y0
(14) Y1
(13) Y2
(12) Y3
(11) Y4
(10) Y5
(9) Y6
(7) Y7
DATA OUTPUTS

G01-3



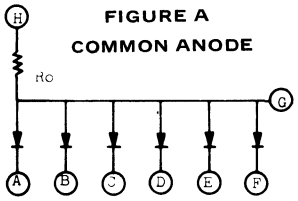


FIGURE A
COMMON ANODE

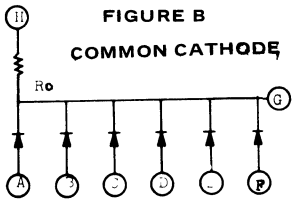
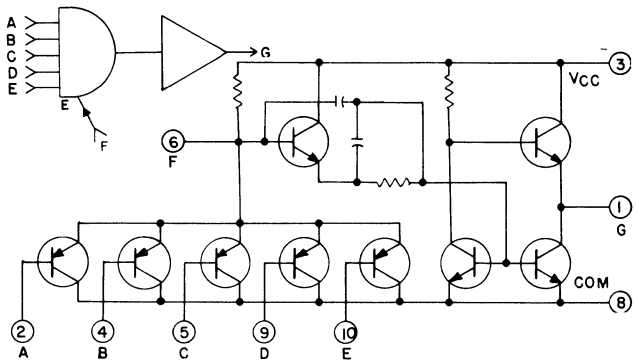


FIGURE B
COMMON CATHODE

	CKT NO	A	B	C	D	E	F	G	VCC	GND	Ro	FIG
G01-3	1	3	4	5	6	7	8	10	2	1	NO	A
G01-3a	1	2	3	4				5	1		YES	B
	2	7	8	9				6	10		YES	B
G01-3b	1	2	3					5	1		YES	B
	2	8	9					6	10		YES	B
G01-3c	1	2	3	4	5			6			NO	B
	2	7	8	9	10			11			NO	B
	3	25	26	27	28			29			NO	B
	4	30	31	32	33			34			NO	B
	5	12	13	14	15			16			YES	B
	6	20	21	22	23			24			YES	B
G01-3g	1	1	3	4				2			YES	A
	2	6	7	5				8			YES	A
G01-3h	1	1	3	5	6	7		2			YES	A
G01-3k	1	7	8	9				5	6	1	YES	A
	2	10	2	3				4	6	1	YES	A
G01-3m	1	5	6	7	8			9	2	1	YES	A
	2	10	11	12	13			14	2	1	YES	A
	3	15	16	17	18			19	2	1	YES	A
G01-3n	1	2	4	6				1,3				
	2	8	10	12				5,7				
	3	14	16	18				11,13				
	4	20	22	24				15,17				
	5	21	26	28				23,25				
	6	27	30	32				24,31				
G01-3p	1	J	7	H				C				
	2	6	5	4				8				
	3	3	F	E				D				
	4	9	10					P				
	5	N	M					K				
	6	14	13					R				
	7	12	11					L				
	8	W	20	5				15				
	9	19	18	17				X				
	10	16	U	T				V				
G01-3q	1	14	1	2				3	4	11		
	2	6	7	8				5	4	11		
	3	9	10	12				13	4	11		
G01-3r	1	1	2	3				4			NO	A
	2	5	6	7				8			NO	A
G01-3s	1	1	13					14			NO	A
	2	10	11	12				2			NO	A
G01-3t	1	4	5					6			NO	A
	2	7	8	9				3			NO	A
G01-3u	1	35	33	31	34			32				
	2	25	23	21	24			22				
	3	14	12	10	13			11				
	4	27	26	30	28			29				
	5	17	16	20	18			19				
	6	6	5	9	7			8				
G01-3v	1	2	3	5	6			4				
	2	9	10	12	13			11				
G01-3w	1	1	3					2				
	2	4	6					5				
	3	8	10					9				
	4	11	13					12				

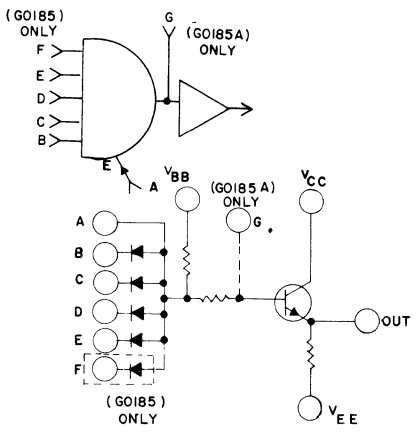
G01-68



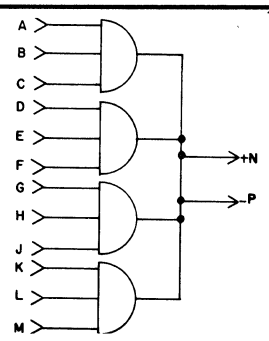
G01-85

PIN CONNECTIONS

	G0185	G0185A		G0185	G0185A
1	V_{EE}	OUT	11	C	V_{EE}
2	—	A	12	B	—
3	—	B	13	A	V_{CC}
4	—	C	14	—	V_{BB}
5	OUT	D	15	—	
6	—	E	16	—	
7	V_{CC}	G	17	V_{BB}	
8	F	—	18	—	
9	E	OUT	19	—	
10	D	—	20	—	

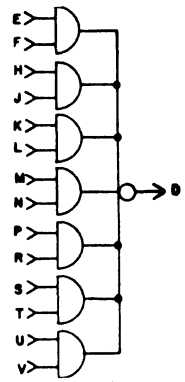


G01-101

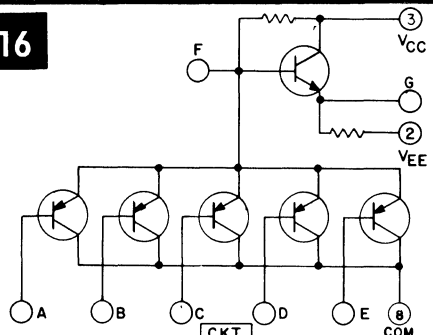


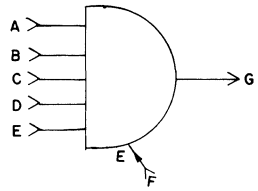
	CKT NO	A	B	C	D	E	F	G	H	J	K	L	M	N	P
G01101	1	X	W	V	S	T	U	R	P	N	K	L	M	E	F
G01101A	2	V	U	T	S	R	P	N	M	L	K	J	H	E	D

G01-104



G01-116

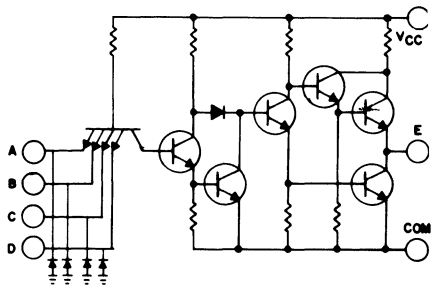


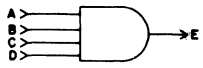


	CKT NO	A	B	C	D	E	F	G	VCC	VEE	COM
G01116	1	1	4	5	9	10	6	7	3	2	8
G01116A	1	1	6	NC	NC	NC	NC	7	3	2	8
	2	4	5	10	NC	NC	NC	9	3	2	8
G01116B	1	4	5	6	7	10	1	2	8	9	3

G01-153

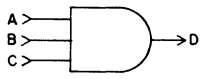
INPUT CLAMPING DIODES FOR US 54 AND 74 TYPES ONLY



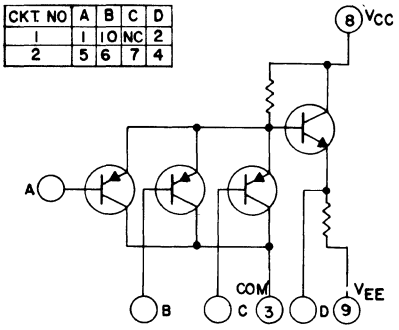


	PKG	CKT NO	A	B	C	D	E	VCC	COM
G01-153	PF	1	14	13	12	1	2	4	11
		2	6	7	8	9	10		
	MF	1	9	10	12	13	8	14	7
		2	1	2	4	5	6		
G01-153a	PF	1	1	2	14		3	4	11
		2	6	7	8		5		
		3	9	10	12		13		
	MF	1	1	2	13		12	14	7
		2	3	4	5		6		
		3	9	10	11		8		
G01-153b	MF	1	1	2			3	14	7
		2	4	5			6		
		3	13	12			11		
		4	10	9			8		
	PF	1	1	2			3	4	11
		2	13	12			14		
		3	8	7			5		
		4	9	10			6		

G01-154

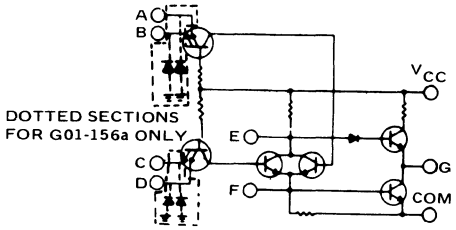


CKT NO	A	B	C	D
1	1	10	NC	2
2	5	6	7	4

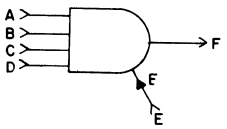


G01-156

	PKG	CKT NO.	A	B	C	D	E	F	G	VCC	COM
G01-156		1	5	6	9	11	8	7	12	4	10
		2	1	4	2	3	NC	NC	13		
G01-156a	PF	1	9	5	13	14	2	1	12	4	11
		2	5	7	8	9	NC	NC	10		
	M	1	1	12	10	9	12	11	8	14	7
		2	2	3	4	5	NC	NC	6		

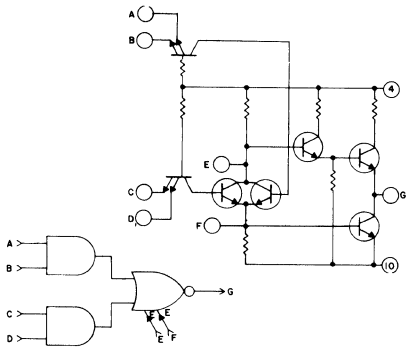


G01-157

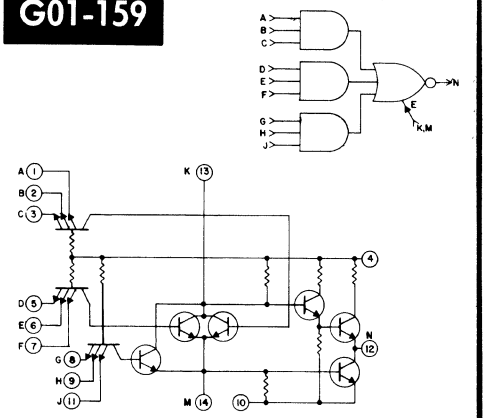


CKT. NO	A	B	C	D	E	F
1	14	1	2	3	13	12
2	5	6	7	8	9	11

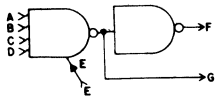
G01-158



G01-159

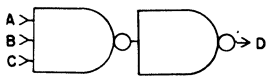


G01-160



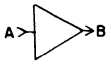
	CKT. NO	A	B	C	D	E	F	G
G01-160	1	3	D	4	E	5	12	C
	2	6	F	H	8	7	11	J
	3	K	9	10	M	L	22	
	4	N	13	14	R	P	Z	
	5	S	16	17	U	T	18	15
	6	V	W	X	21	20	19	Y
G01-160a	1	C	D				6	E
	2	3	4				7	5
	3	12	13				H	11
	4	14	15				F	8
	5	16	17				10	
	6	18	19				9	
	7	J	K				20	
	8	L	M				T	
	9	N	P				U	
	10	R	S				V	
	11	X	Y				21	
	12	Z	22				W	
G01-160b	1	15	14					12
	2	8	9					10
	3	16	1					2
	4	6	5				4	3
G01-160c	1	3	4				7	6
	2	2	1				8	9

G01-161

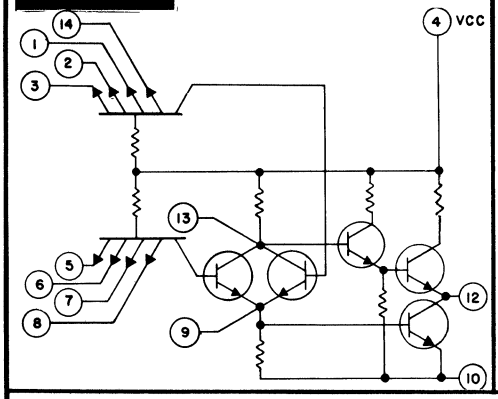


CKT NO	A	B	C	D
1	C	D	E	6
2	9	10	11	H
3	12	13	3	F
4	15	16	17	7
5	M	N	14	8
6	J	K	L	18
7	R	S	T	V
8	20	Y	21	W
9	Z	22	P	U

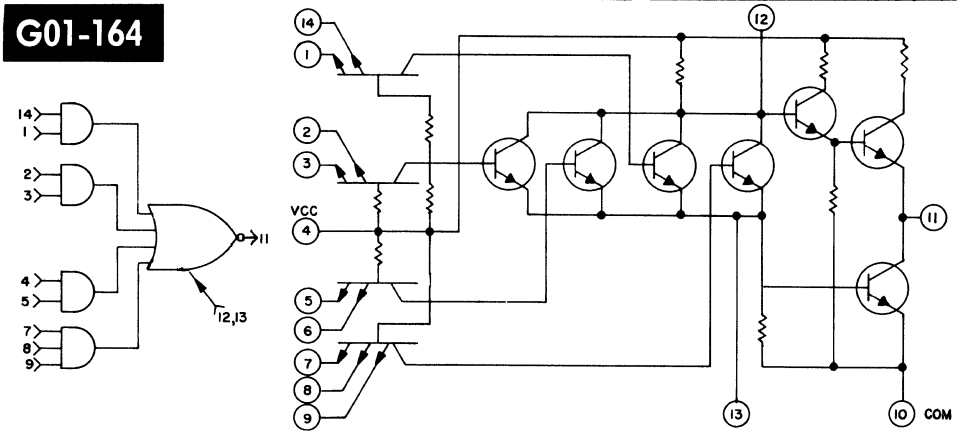
CKT. NO	A	B
1	5	4
2	19	X



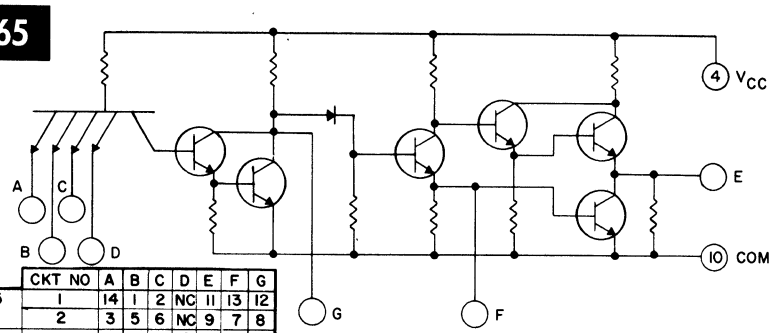
G01-163



G01-164



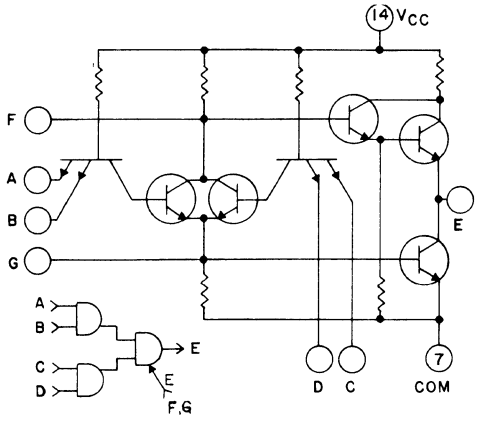
G01-165



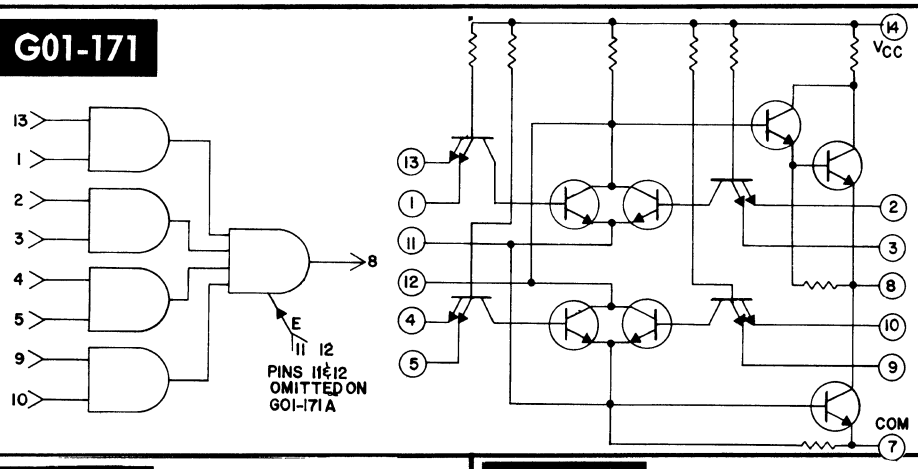
	CKT NO	A	B	C	D	E	F	G
G01-165	1	14	1	2	NC	11	13	12
	2	3	5	6	NC	9	7	8
G01-165 A	1	12	14	1	2	11	13	NC
	2	3	5	6	8	9	7	NC
G01-165 B	1	14	1	2	3	12	NC	13
	2	5	6	7	8	11	NC	9
G01-165 C	1	5	6	7	8	11	12	9

G01-170

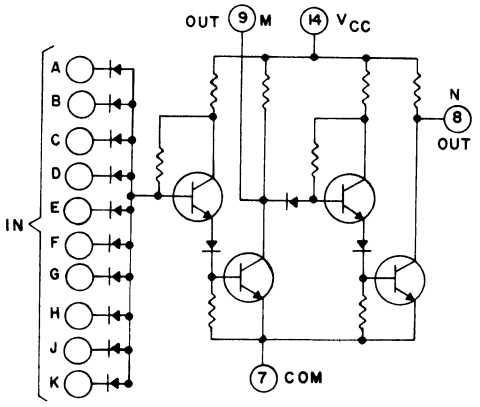
	CKT NO	A	B	C	D	E	F	G	VCC	COM
G01-170	1	1	13	10	9	8	12	11	14	7
	2	2	3	4	5	6				
G01-170a	1	1	13	10	9	8			14	7
	2	2	3	4	5	6				
G01-170b	1	3	5	13	14	12	1	2	4	11
	2	6	7	8	9	10				

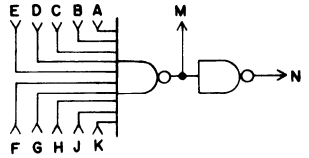


G01-171



G01-172

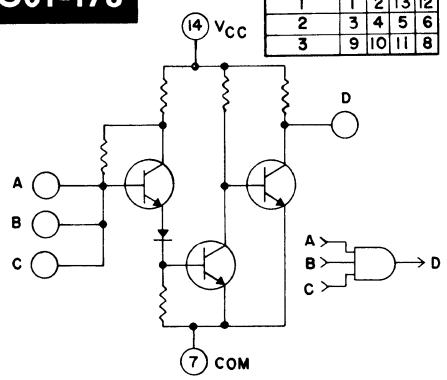




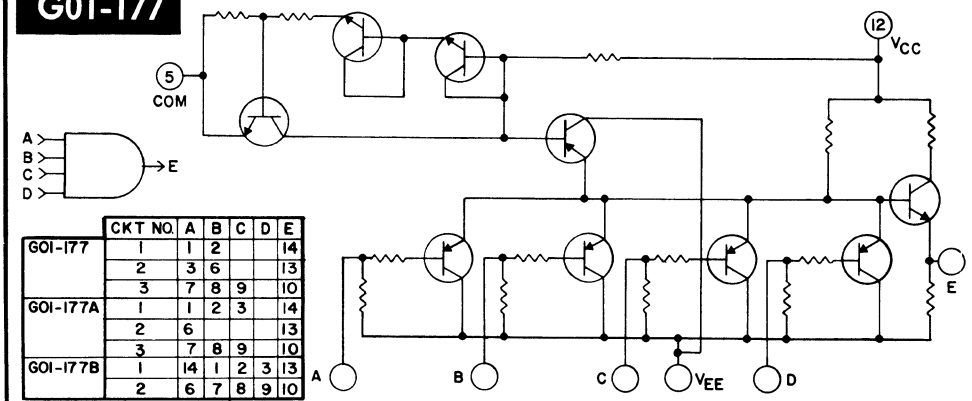
	CKT. NO.	A	B	C	D	E	F	G	H	J	K	M	N
G01-172	1	10	11	12	13	1	2	3	4	5	6	9	8
G01-172A	1	1	2	3	4							5	6
	2	13	12	11	10							9	8

G01-173

CKT NO	A	B	C	D
1	1	2	13	12
2	3	4	5	6
3	9	10	11	8

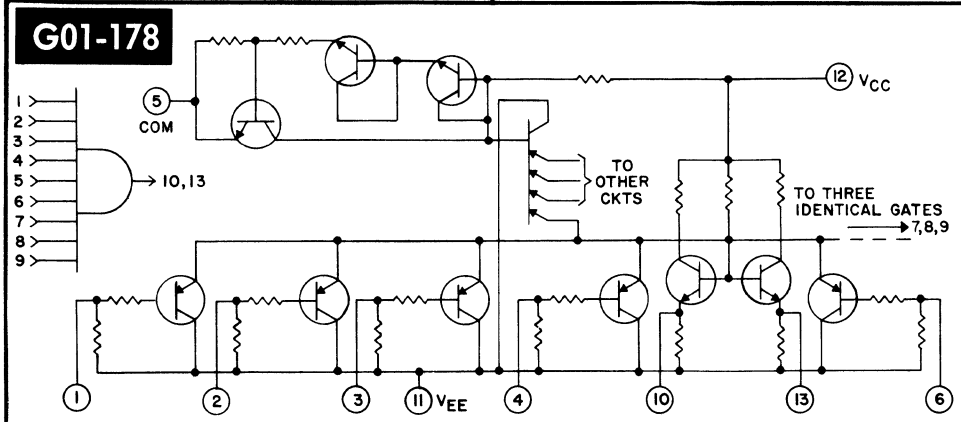


G01-177



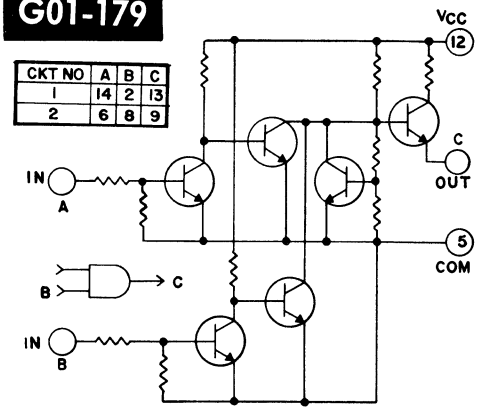
	CKT NO.	A	B	C	D	E
G01-177	1	1	2			14
	2	3	6			13
	3	7	8	9		10
G01-177A	1	1	2	3		14
	2	6				13
	3	7	8	9		10
G01-177B	1	14	1	2	3	13
	2	6	7	8	9	10

G01-178



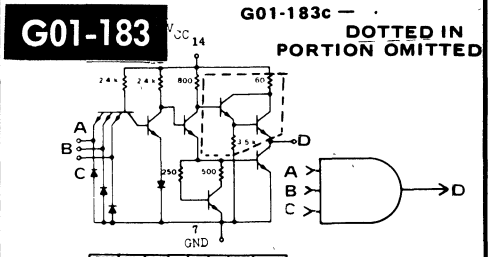
G01-179

CKT NO	A	B	C
1	14	2	13
2	6	8	9



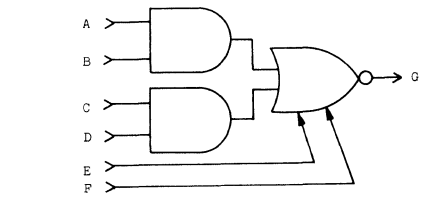
G01-183

G01-183c — DOTTED IN PORTION OMITTED



	PKG	CKT	A	B	C	D	GND	VCC
G01-183		1	1	2		3	7	14
		2	4	5		6		
		3	9	10		8		
		4	12	13		11		
G01-183a, c	FF, M	1	1	2	13	12	7	14
		2	3	4	5	6		
		3	9	10	11	8		
G01-183b	M	1	1	2	NC	3	7	14
		2	4	5	NC	6		
		3	9	10	NC	8		
		4	12	13	NC	11		
	FP	1	1	2	NC	3	11	4
		2	6	7	NC	5		
		3	9	10	NC	8		
		4	12	13	NC	14		

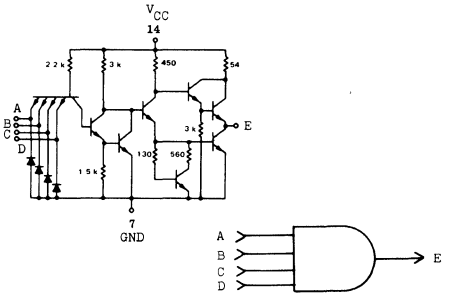
G01-184



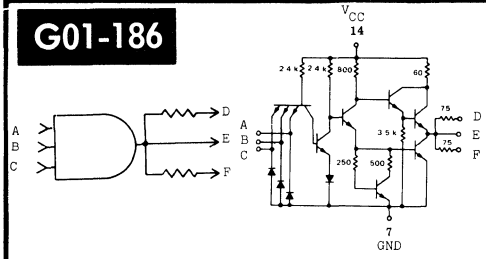
	CKT	A	B	C	D	E	F	G
G01-184	1	9	10	13	1	11	12	8
	2	2	3	4	5			6

G01-185

	CKT	A	B	C	D	E
G01-185	1	1	2	4	5	6
	2	9	10	12	13	8

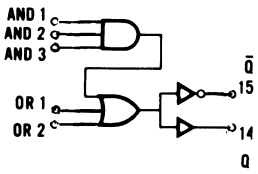


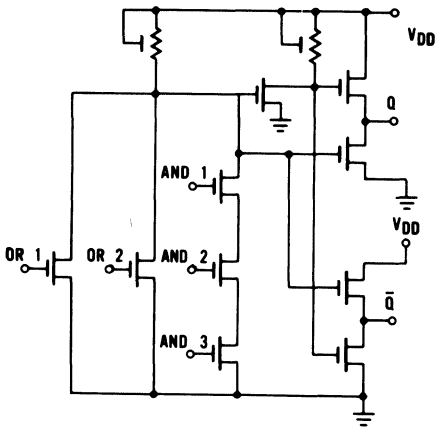
G01-186



	CKT	A	B	C	D	E	F
G01-186	1	1	2	3	5	6	4
	2	11	12	13	9	8	10

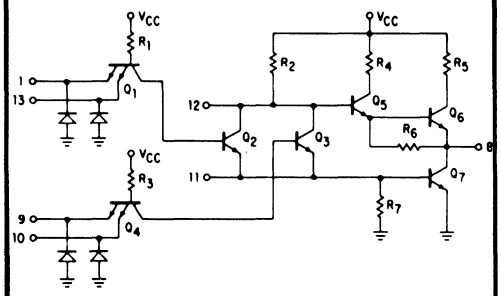
G01-187



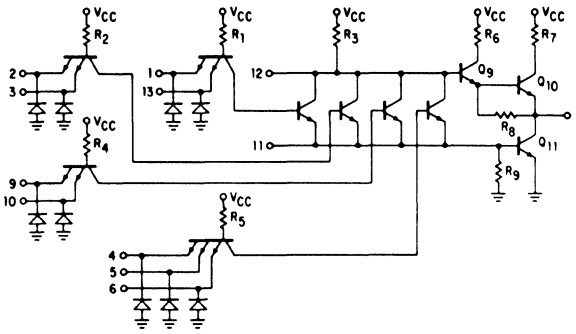


	CKT	AND_1	AND_2	AND_3	OR_1	OR_2	$\bar{Q}$	Q	COM	V_{DD}
G01-187	1	3	4	5	6	7	1	2	8	16
	2	13	12	11	10	9	15	14		

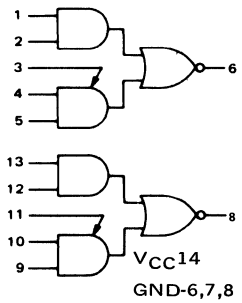
G01-188



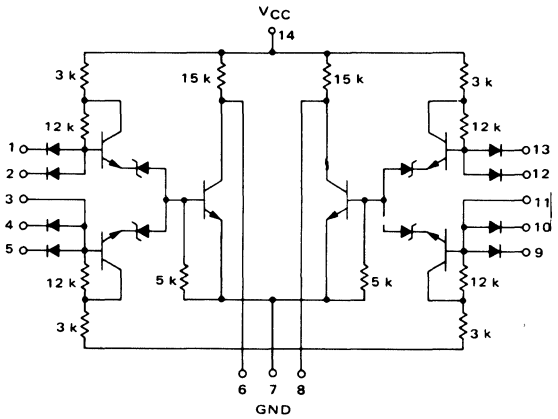
G01-190



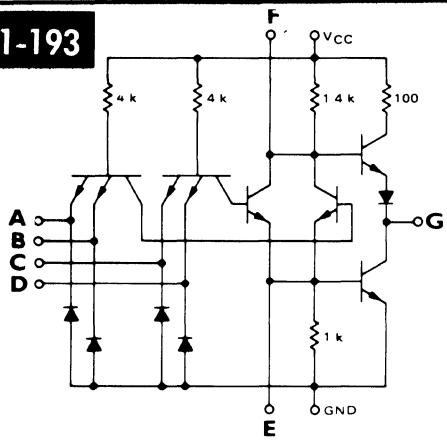
G01-191



G01-192

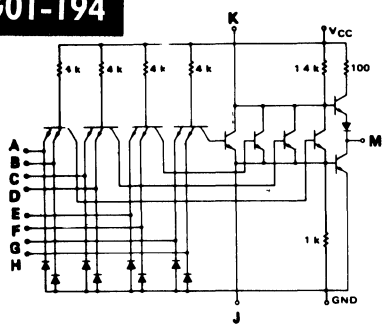


G01-193



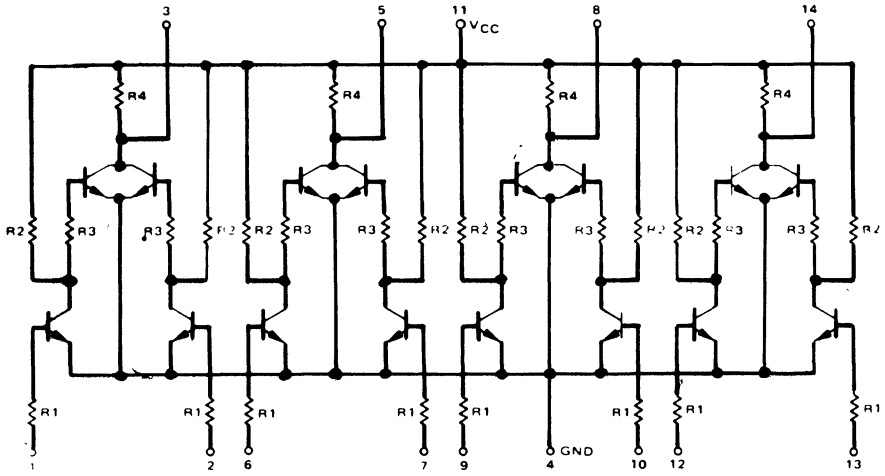
	CKT	A	B	C	D	E	F	G	VCC	GND
G01193	1	13	14	3	5	1	2	12	4	11
	2	8	9	6	7			10		
G01193a	1	13	1	9	10	11	12	8	14	7
	2	4	5	2	3			6		
G01193b	1	13	14	3	5			12	4	11
	2	8	9	6	7			10		
G01193c	1	13	1	9	10			8	14	7
	2	4	5	2	3			6		

G01-194



	A	B	C	D	E	F	G	H	J	K	M	VCC	GND
G01194	3	5	6	7	8	9	13	14	1	2	12	4	11
G01194a	13	1	2	3	4	5	9	10	11	12	8	14	7
G01194b	3	5	6	7	8	9	13	14			12	4	11
G01194c	13	1	2	3	4	5	9	10			8	14	7

G01-195



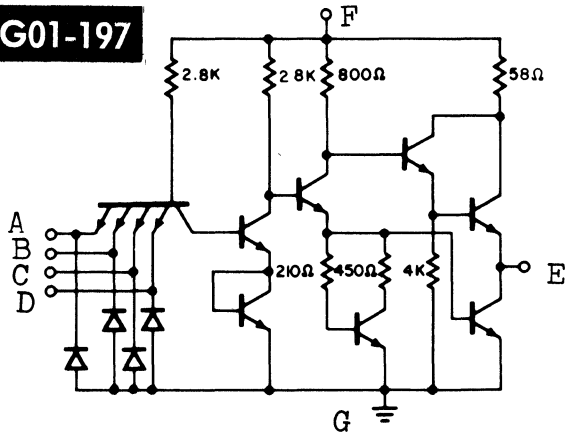
TYPICAL RESISTANCE VALUES

R1 = 450Ω R3 = 1.5 k

R2 = 1.8 k R4 = 640Ω

G01-195a - R2 and R3 NOT APPLICABLE-
THRU CONNECTIONS.

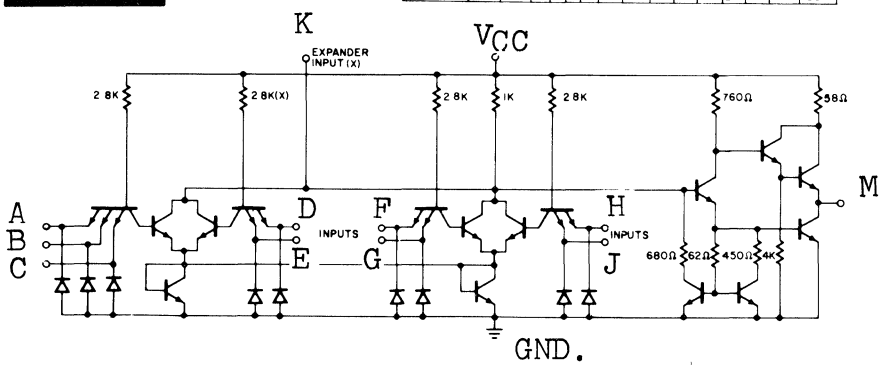
G01-197



	PKG	CKT	A	B	C	D	E	F	G
G01-197	M	1	1	2	13		12	14	7
		2	3	4	5		6	14	7
		3	9	10	11		8	14	7
	FP	1	1	2	14		3	4	11
		2	6	7	8		5	4	11
		3	9	10	12		13	4	11
G01-197a	M	1	1	2	4	5	6	14	7
		2	9	10	12	13	8	14	7
	FP	1	1	12	13	14	2	4	11
		2	6	7	8	9	10	4	11

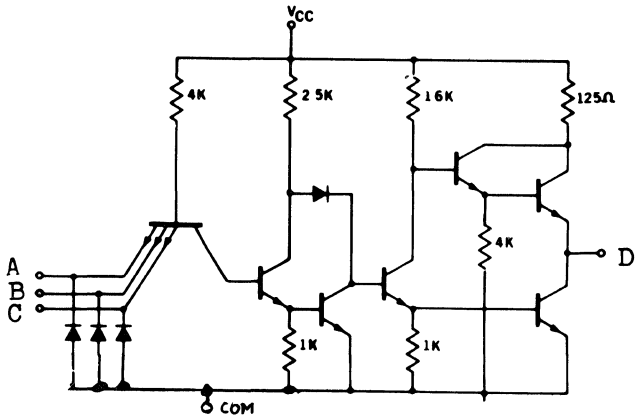
G01-198

	PKG	CKT	A	B	C	D	E	F	G	H	J	K	M	VCC	GND
G01-198	MP	1	3	4	5	1	2	12	13	10	11	9	8	14	7
	FP	1	7	8	9	1	14	2	3	5	6	13	12	4	11

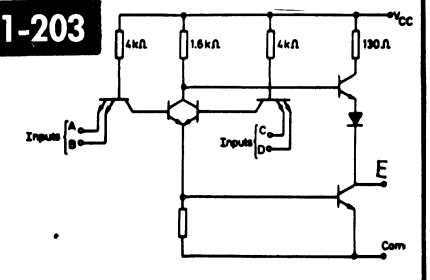


G01-202

	PKG	CKT	A	B	C	D	VCC	COM
G01-202	FP	1	1	2		3	4	11
		2	6	7		5		
		3	9	10		8		
		4	12	13		14		
	MP	1	1	2		3	14	7
		2	4	5		6		
		3	9	10		8		
		4	12	13		11		
G01-202a	FP	1	1	2	14	3	4	11
		2	6	7	8	5		
		3	9	10	12	13		
	MP	1	1	2	13	12	14	7
		2	3	4	5	6		
		3	11	10	9	8		

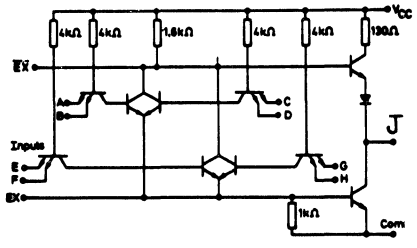


G01-203



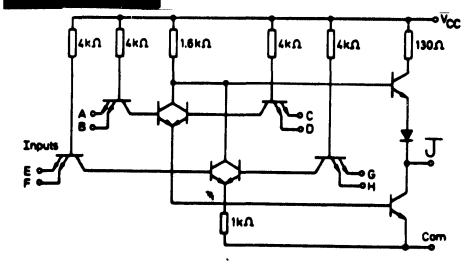
	PKG	CKT NO.	A	B	C	D	E	VCC	COM
G01-203	M	1	2	3	4	5	6	14	7
		2	1	13	10	9	8		
	FP	1	3	5	13	14	12	4	11
		2	6	7	8	9	10		

G01-204



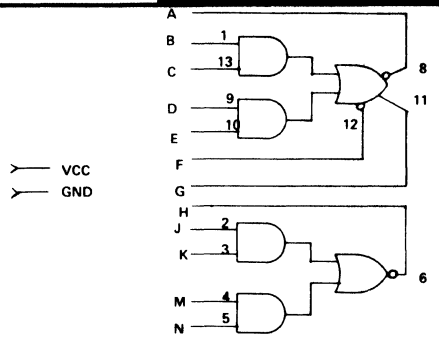
	PKG	A	B	C	D	E	F	G	H	J	$\overline{EX}$	EX	VCC	COM
G01-204	M	1	13	2	3	4	5	9	10	8	11	12	14	7
	FP	3	5	6	7	8	9	13	14	12	1	2	4	11

G01-205



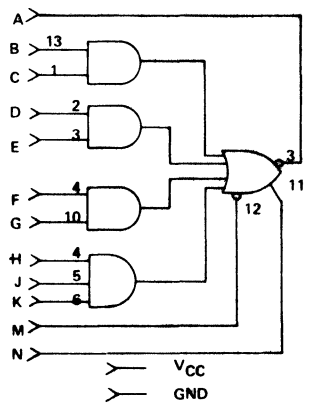
	PKG	A	B	C	D	E	F	G	H	J	VCC	COM
G01-205	MP	1	13	2	3	4	5	9	10	8	14	7
	FP	3	5	6	7	8	9	13	14	12	4	11

G01-206



	CKT NO.	A	B	C	D	E	F	G	H	J	K	M	N	VCC	GND
G01-206	1	43	44	45	39	42	40	41	50	46	49	48	47	51	1, 52
	2	31	32	33	27	30	28	29	38	34	37	36	35	51	1, 52
	3	19	20	21	15	18	16	17	26	22	25	24	23	51	1, 52
	4	7	8	9	3	6	4	5	14	10	13	12	11	51	1, 52

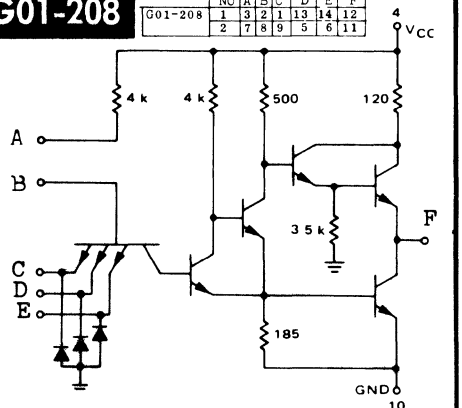
G01-207



	CKT	A	B	C	D	E	F	G	H	J
G01-207	1	43	45	44	46	49	39	42	48	47
	2	31	33	32	34	37	27	30	36	35
	3	19	21	20	22	25	15	18	24	23
	4	7	9	8	10	13	3	6	12	11

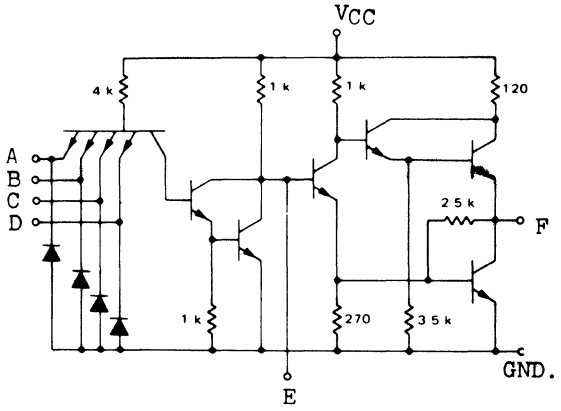
G01-208

	CKT NO	A	B	C	D	E	F
G01-208	1	3	2	1	13	14	12
	2	7	8	9	5	6	11



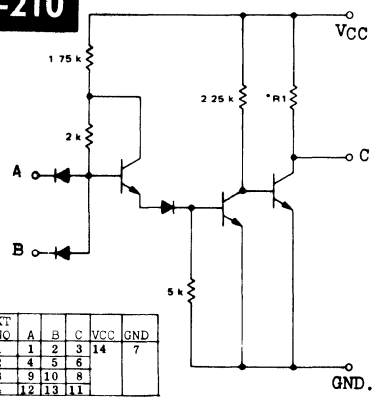
G01-209

	CKT NO	A	B	C	D	E	F	VCC	GND
G01-209	1	2	3	14	13	12		4	10
	2	5	6	7	8	9	11		

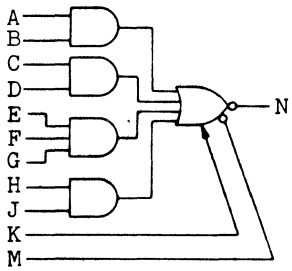


G01-210

	CKT NO	A	B	C	VCC	GND
G01-210	1	1	2	3	14	7
	2	4	5	6		
	3	9	10	8		
	4	12	13	11		

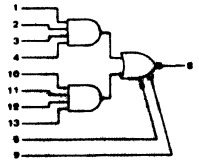


G01-211



	A	B	C	D	E	F	G	H	J	K	M	N	VCC	GND
G01-211	13	1	2	3	4	5	6	9	10	11	12	8	14	7
G01-211a	13	1	2	3	4	5	6	9	10			8	14	7
G01-211b	3	5	6	7	8	9	10	13	14	1	2	12	4	7

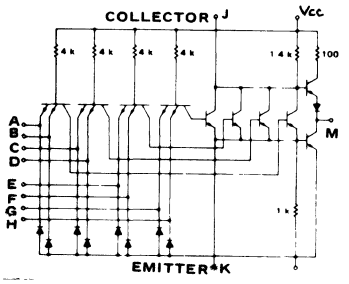
G01-212



VCC 14

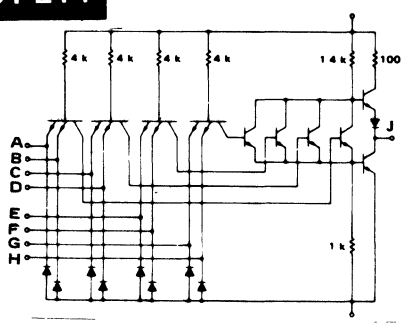
GND 7

G01-213



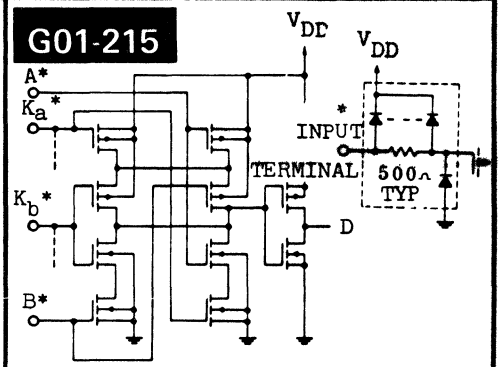
	PKG	A	B	C	D	E	F	G	H	J	K	M	VCC	GND
G01-213		3	5	6	7	8	9	13	14	2	1	12	4	11
G01-213a	CC	2	4	5	6	7	8	12	13	1	14	11	3	10
	FP	3	5	6	7	8	9	13	14	2	1	12	4	11

G01-214



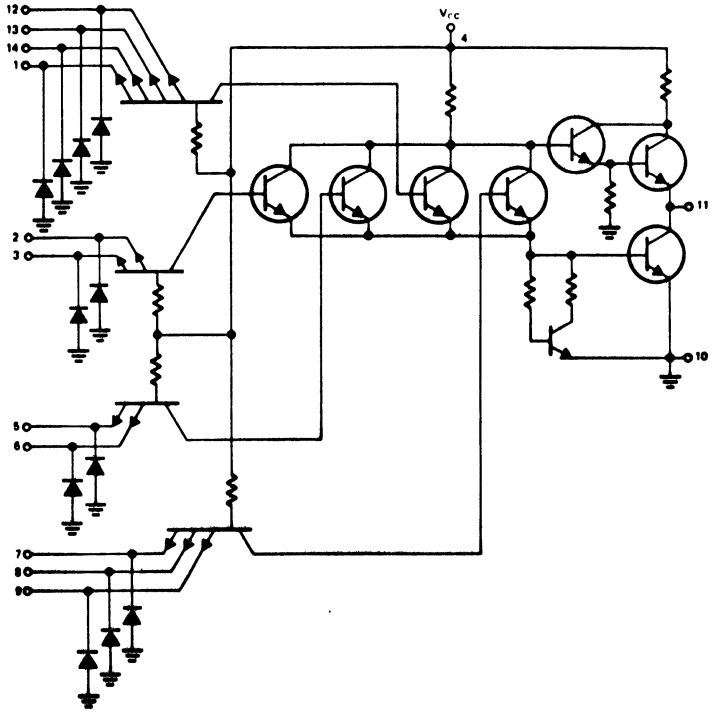
	PKG	A	B	C	D	E	F	G	H	J	VCC	GND
G01-214		3	5	6	7	8	9	13	14	12	4	11
G01-214a	FC	2	4	5	6	7	8	12	13	11	3	10
	FP	3	5	6	7	8	9	13	14	12	4	11

G01-215

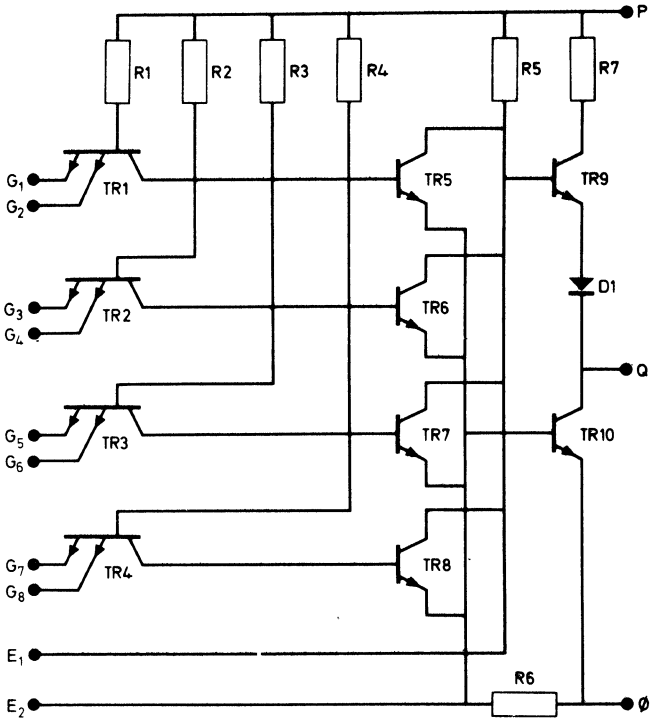


	CKT	A	Ka	Kb	B	D	VDD	GND
G01-215	1	6	9	14	7	10	16	8
	2	4	9	14	5	11	16	8
	3	2	9	14	3	12	16	8
	4	15	9	14	1	13	16	8

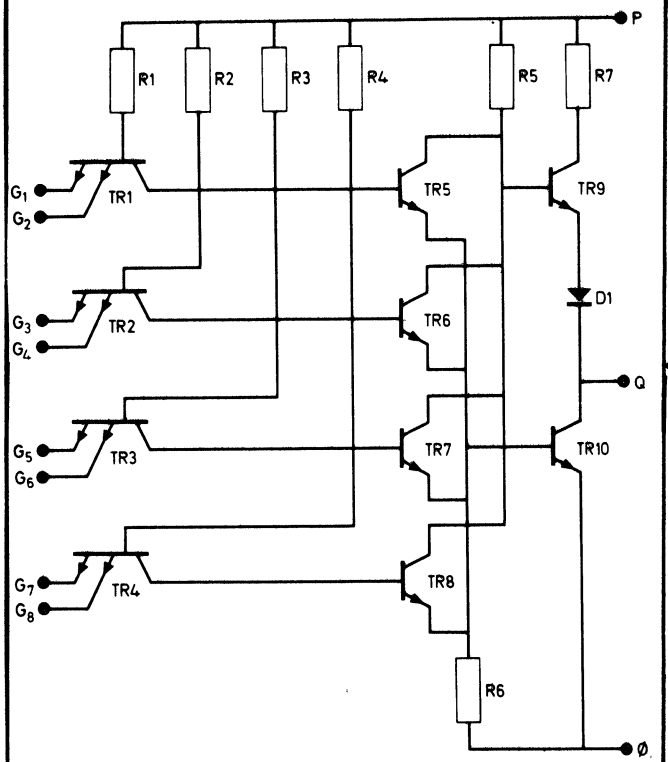
G01-216



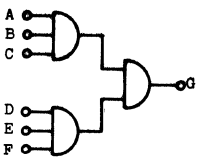
G01-217



G01-218

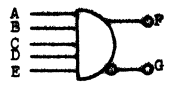


G01-219



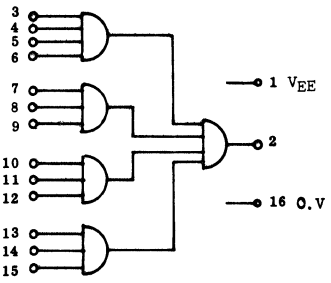
	CKT	A	B	C	D	E	F	G	VCC	COM
G01-219	1	3	4	5	6	7	8	2	1	16
	2	9	10	11	12	13	14	15	1	16

G01-220

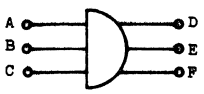


	CKT	A	B	C	D	E	F	G	VCC	COM
G01-220	1	4	5	6	7	8	2	3	1	16
	2	9	10	11	12	13	15	14	1	16

G01-221

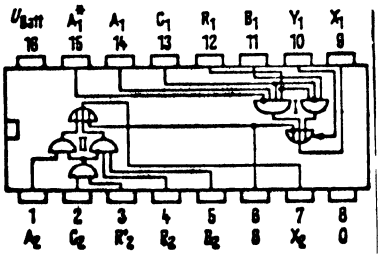


G01-222

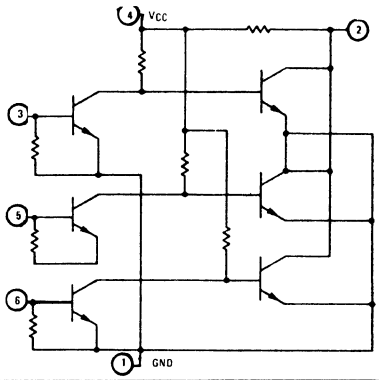


	A	B	C	D	E	F	VCC	COM
G01-222	6	7	8	3	4	5	1	16
	9	10	11	13	14	15	1	16

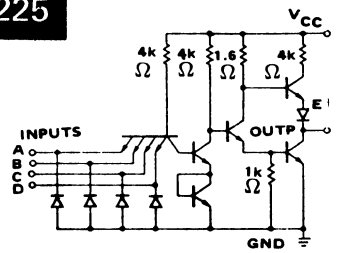
G01-223



G01-224

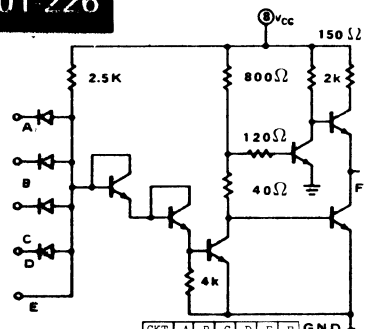


G01-225



	PKG	CKT	A	B	C	D	E	GND	VCC
G01-225	PP	1	12	13	14	1	2	11	4
		2	6	7	8	9	10		
	M	1	9	10	12	13	8	7	14
		2	1	2	4	5	6		
G01-225a	PP	1	14	1	2	NC	3	11	4
		2	6	7	8	NC	5		
		3	9	10	12	NC	13		
	M	1	13	1	2	NC	12	7	14
		2	3	4	5	NC	6		
		3	9	10	11	NC	8		

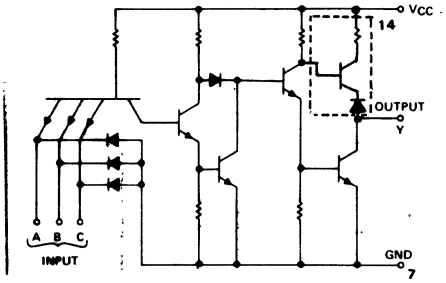
G01-226



	CKT	A	B	C	D	E	F
G01-226	1	10	11	12	13	9	14
	2	3	4	5	6	7	2
G01-226a	1	3	4	NC	NC	NC	2
	2	6	7	NC	NC	NC	5
	3	9	10	NC	NC	NC	11
	4	12	13	NC	NC	NC	14

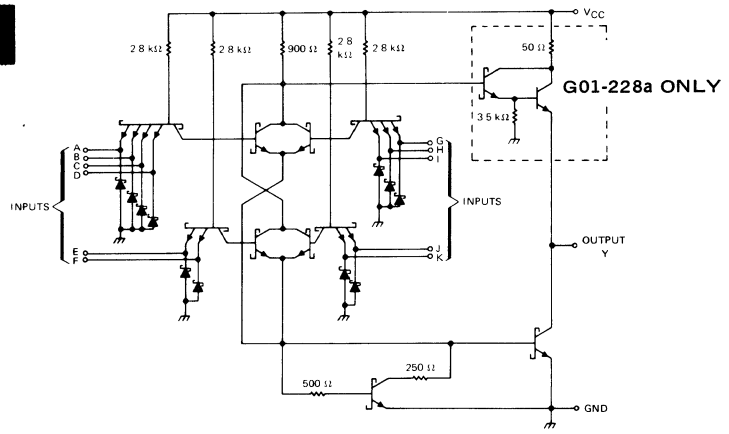
G01-227

G01-227b — DOTTED IN PORTION ADDED

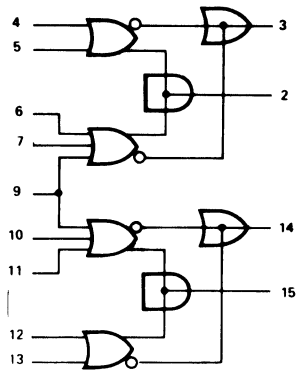


	CKT	A	B	C	Y
G01-227	1	1	2	13	12
	2	3	4	5	6
	3	9	10	11	8
G01-227a,b	1	1	2		3
	2	4	5		6
	3	9	10		8
	4	12	13		11

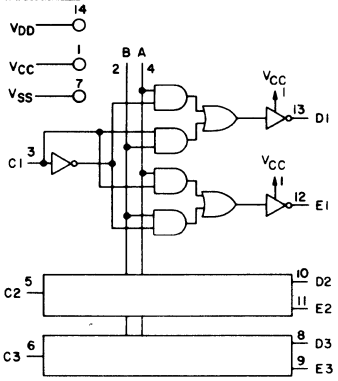
G01-228



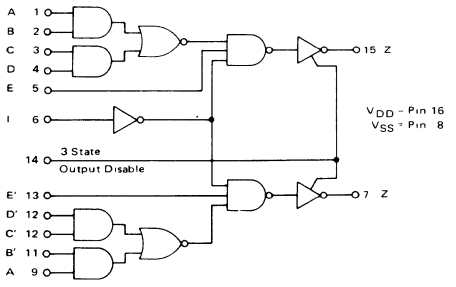
G01-229



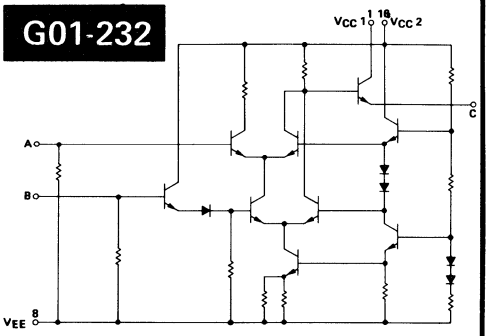
G01-230



G01-231

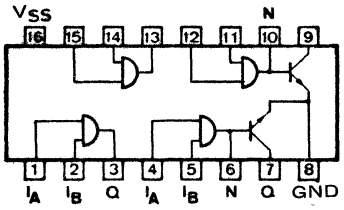


G01-232

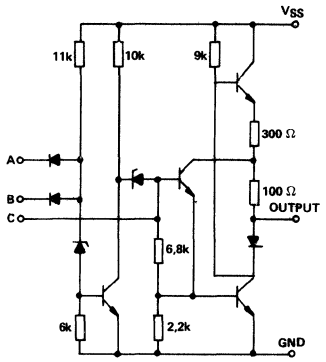


	CKT	A	B	C
G01232	1	4	5	2
	2	6	7	3
	3	10	11	14
	4	12	13	15

G01-233

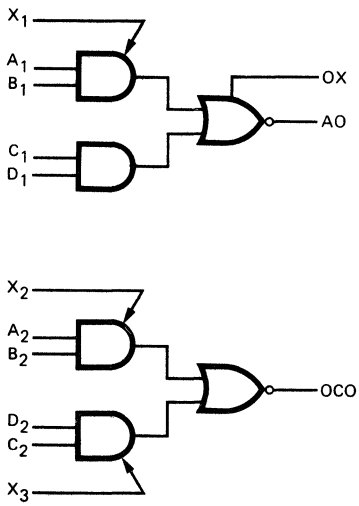


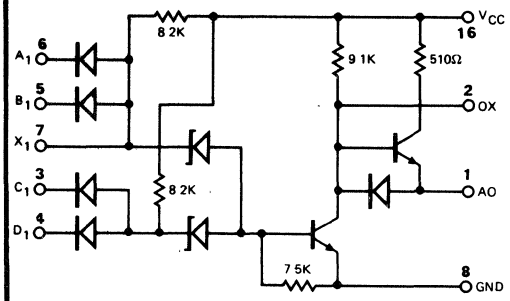
G01-234

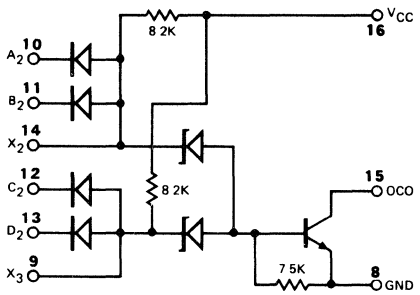


	CKT	A	B	C	OUTPUT	VSS	GND
G01-234	1	2	3	1	4	16	8
	2	5	6		7		
	3	10	11		9		
	4	13	14	15	12		

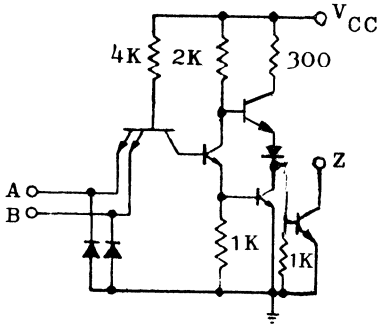
G01-235

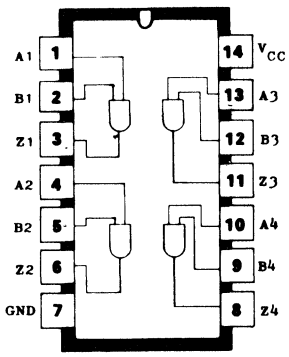




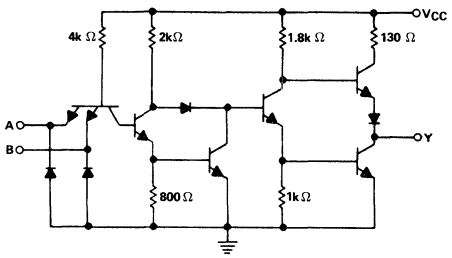


G01-236

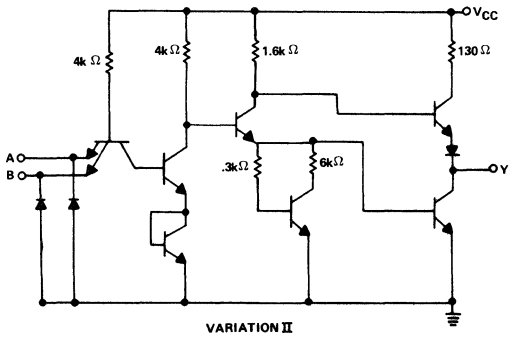




G01-237



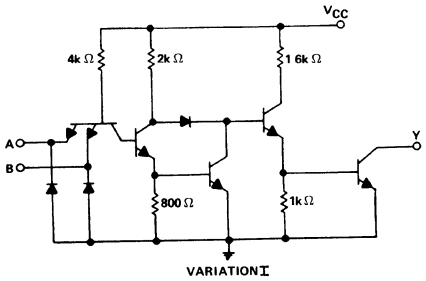
VARIATION I



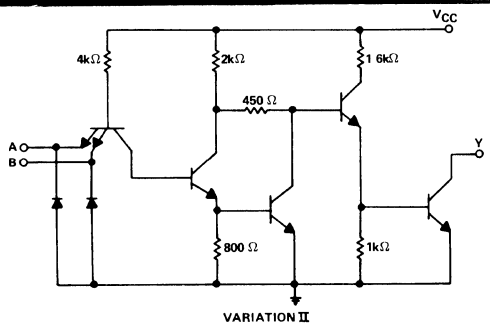
VARIATION II

	CKT	A	B	Y	VCC	GND
G01-237	1	1	2	3	14	7
	2	4	5	6		
	3	9	10	8		
	4	12	13	11		

G01-238



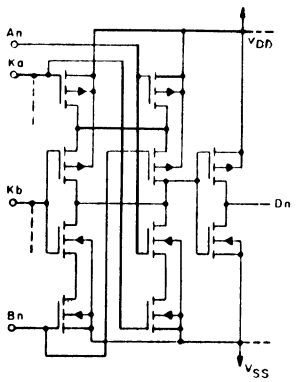
VARIATION I

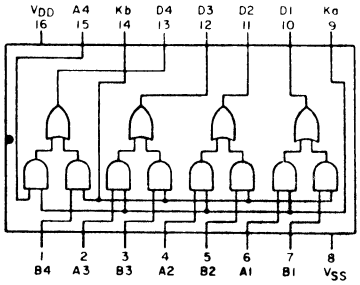


VARIATION II

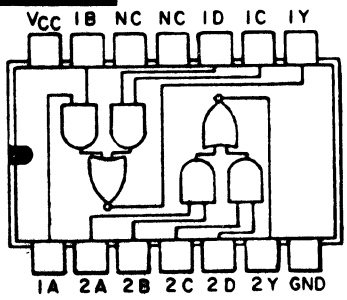
	CKT	A	B	Y	VCC	GND
G01-238	1	1	2	3	14	7
	2	4	5	6		
	3	9	10	8		
	4	12	13	11		

G01-239



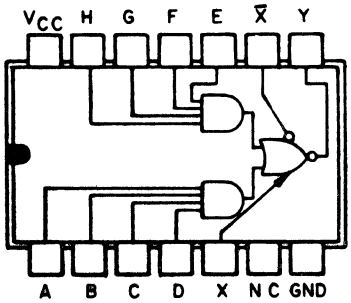


G01-240



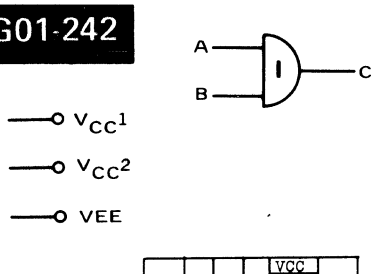
	CKT	A	B	C	D	Y	VCC	GND
G01-240	1	1	12	9	10		14	7
	2	2	3	4	5	6		
G01-240a	1	3	5	13	14	12	4	11
	2	6	7	8	9	10		

G01-241



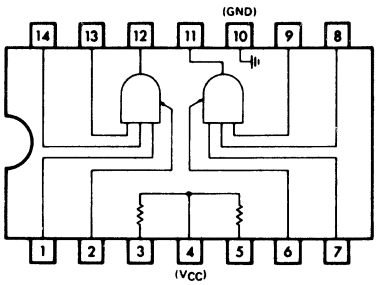
	A	B	C	D	E	F	G	H	X	X̄	Y	VCC	GND
G01-241	1	2	3	4	10	11	12	13	5	9	8	14	7
G01-241a	1	2	3	14	5	6	7	8	9	13	12	4	11

G01-242

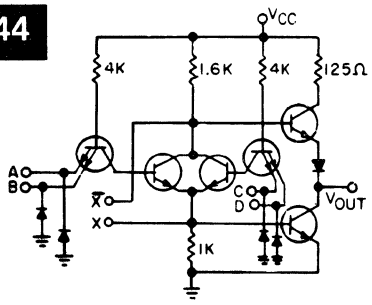


	CKT	A	B	C	VCC 1	VCC 2	VEE
G01-242	1	4	5	2	1	14	15
	2	6	7	3			
	3	8	9	12			
	4	10	11	13			
G01-242a	1	4	5	2	1	16	8
	2	6	7	3			
	3	10	11	14			
	4	12	13	15			

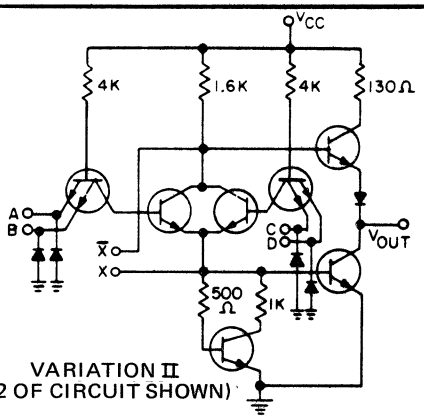
G01-243



G01-244



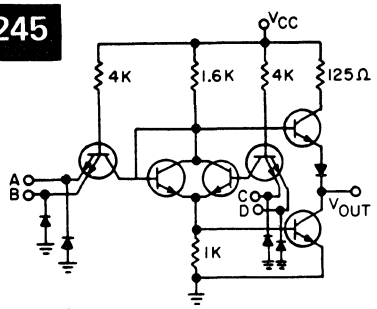
VARIATION I
(1/2 OF CIRCUIT SHOWN)



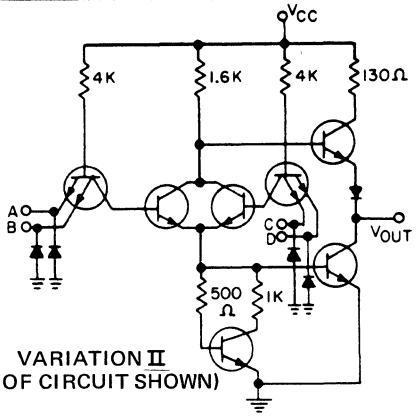
VARIATION II
(1/2 OF CIRCUIT SHOWN)

	PKG	CKT	A	B	C	D	X	X̄	VOUT	VCC	GND
G01-244	FP	1	3	5	13	14	1	2	12	4	11
		2	6	7	8	9			10		
	M	1	1	13	9	10	11	12	8	14	7
		2	2	3	4	5			6		

G01-245



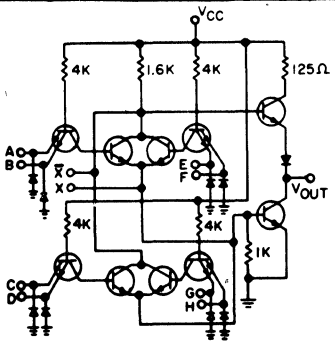
VARIATION I
(1/2 OF CIRCUIT SHOWN)



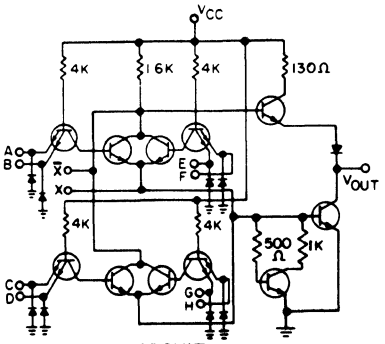
VARIATION II
(1/2 OF CIRCUIT SHOWN)

	PKG	CKT	A	B	C	D	VOUT	VCC	GND
G01-245	FP	1	3	5	13	14	12	4	11
		2	6	7	8	9	10		
	M	1	1	13	9	10	8	14	7
		2	2	3	4	5	6		

G01-246



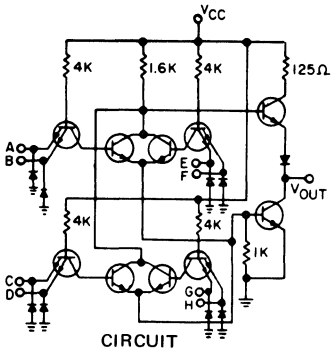
CIRCUIT
VARIATION I



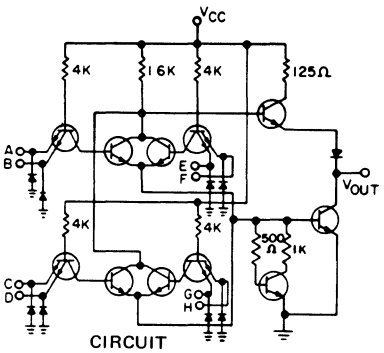
CIRCUIT
VARIATION II

	PKG	A	B	C	D	E	F	G	H	X	X	VOUT	VCC	GND
G01-246	FP	3	5	6	7	8	9	13	14	1	2	12	4	11
	M	1	13	2	3	4	5	9	10	11	12	8	14	7

G01-247



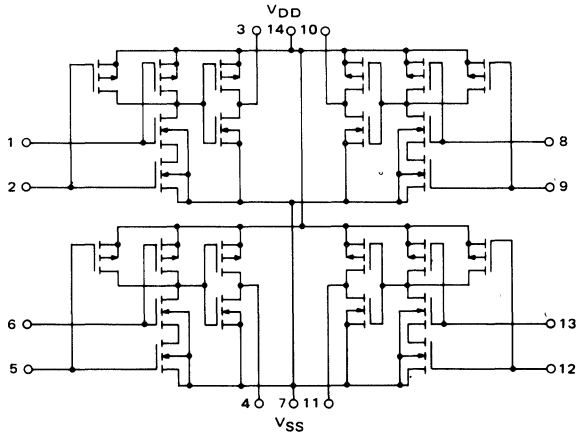
CIRCUIT
VARIATION I



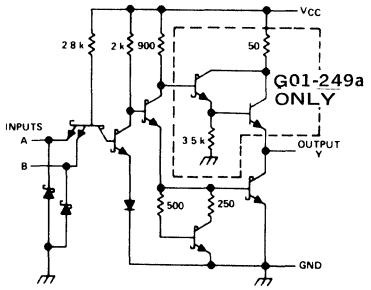
CIRCUIT
VARIATION II

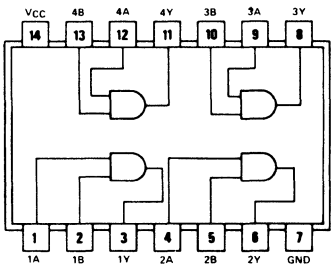
	PKG	A	B	C	D	E	F	G	H	VOUT	VCC	GND
G01-247	FP	3	5	6	7	8	9	13	14	12	4	11
	M	1	13	2	3	4	5	9	10	8	14	7

G01-248

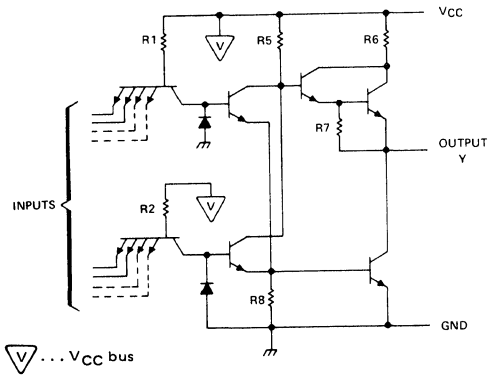


G01-249



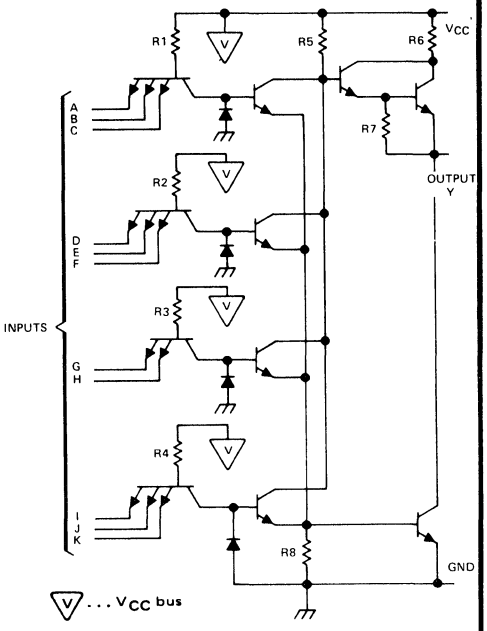


G01-250



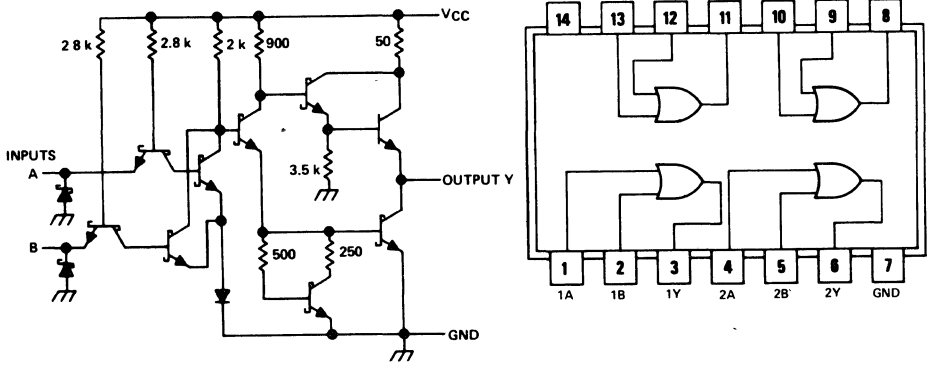
	CKT	A	B	C	D	E	F	G	H	Y
G01-250	1	1	13	14	2	3	5			12
	2	6	7	8	9					10
G01-250a	1	1	2	3	14	5	6	7	8	12
G01-250b	1	1	2	3	13	14				12
	2	5	6	7	8	9				10

G01-251

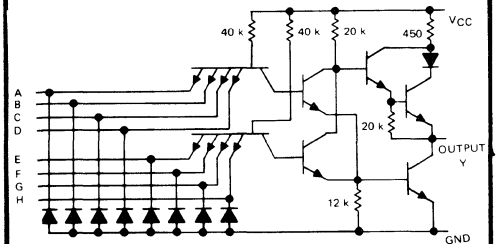


	CKT	A	B	C	D	E	F	G	H	I	J	K	Y
G01-251	1	1	13	14	2	3	5	6	7	8	9	10	12

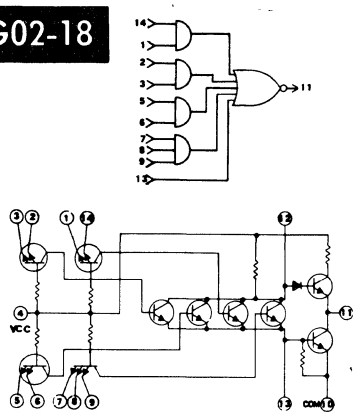
G01-253



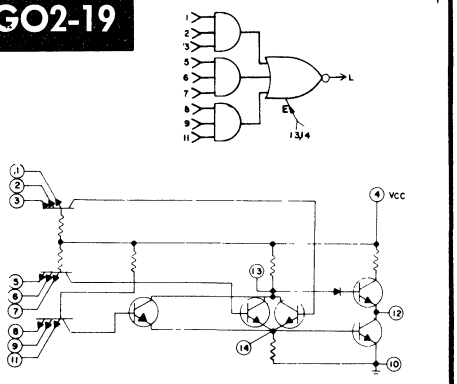
G01-254



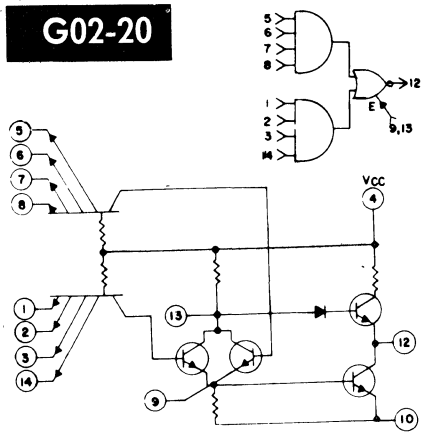
G02-18



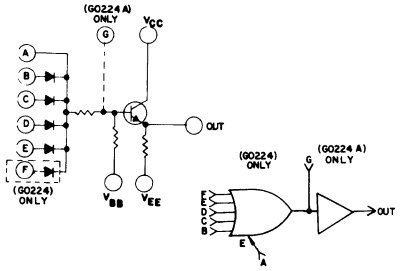
GO2-19



G02-20



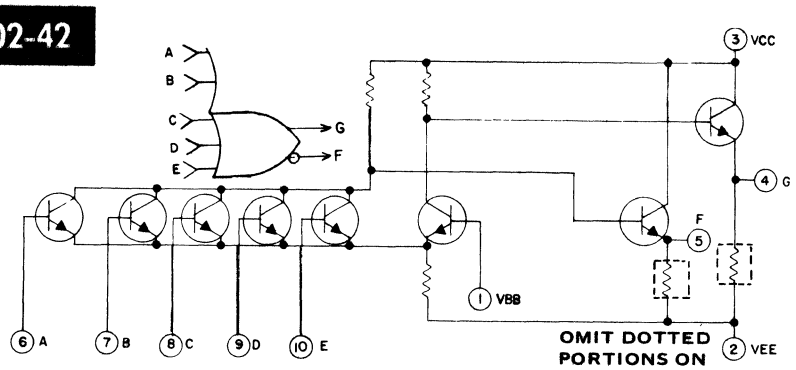
G02-24



PIN CONNECTIONS

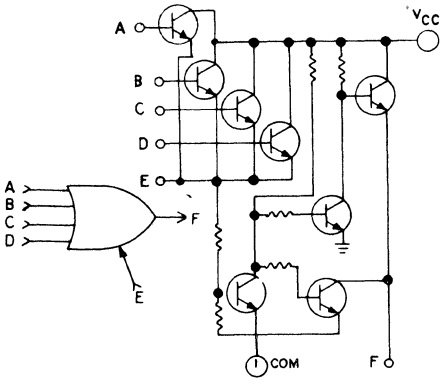
PIN	G0224	G0224A	PIN	G0224	G0224A
1	V_{EE}	OUT	11	C	V_{EE}
2	—	A	12	B	—
3	—	B	13	A	V_{CC}
4	—	C	14	—	—
5	OUT	D	15	—	
6	—	E	16	—	
7	VS+	G	17	V_{BB}	
8	F	—	18	—	
9	E	OUT	19	—	
10	D	V_{BB}	20	—	

G02-42



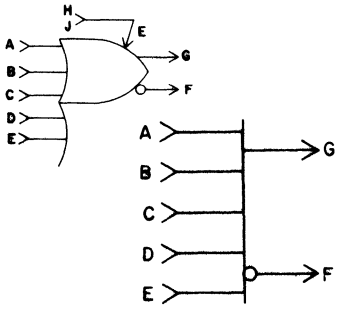
OMIT DOTTED PORTIONS ON G02-42a.

G02-78



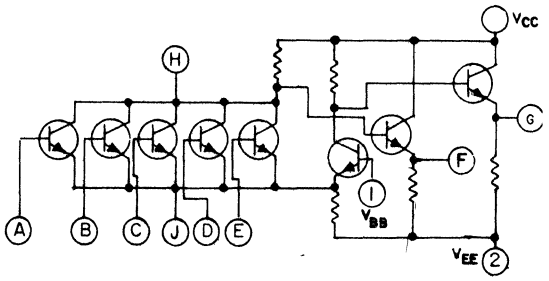
DRAW. NO.	CKT.	A	B	C	D	E	F	V_{CC}
G02-78	1	5	4			3	2	6
	2	7	8			9	10	
G02-78a	1	5	4	3			2	6
	2	7	8	9			10	
G02-78b	1	4	5	6	7	3	2	8
	*2	9	10	11	12	13	14	
G02-78c	1	3	4	5			2	
	2	6	7	9			14	8
	3	10	11	12			13	
G02-78d	1	4	5			3	2	8
	2	6	7			9	14	
	3	11	12			10	13	
G02-78e	1	4	5				3	
	2	6	7				2	8
	3	9	10				14	
	4	11	12				13	

G02-79

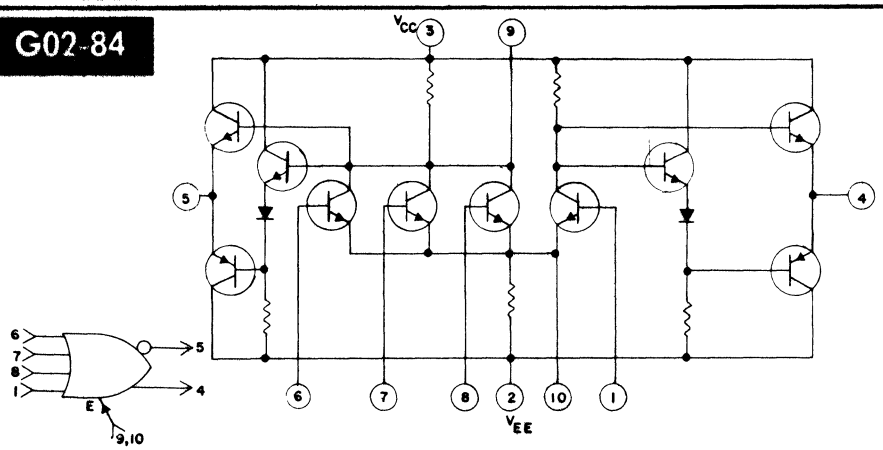


A & B OMITTED ON G0279 & G0279 A

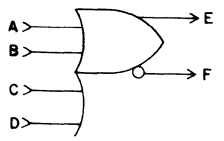
	A	B	C	D	E	F	G	H	J	REMARKS
G0279			6	7	8	5	4	9	10	
G0279a			6	7	8	5	4	9	10	Ro OMITTED
G0279b	6	7	8	9	10	5	4	NC	NC	HandJ OMITTED
G0279c			6	7	8	5	4	9	10	R1 and Ro OMITTED



G02-84



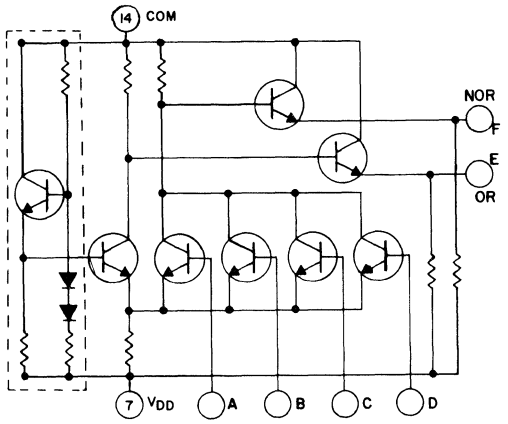
G02-101



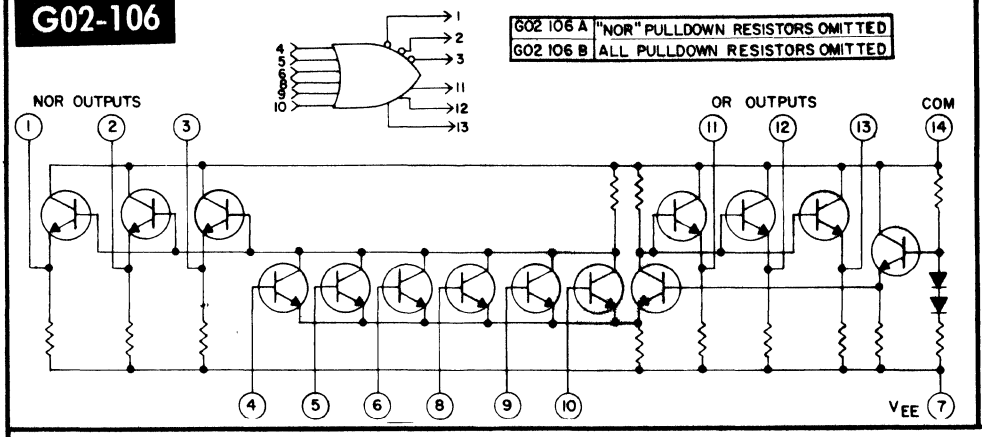
DOTTED-IN PORTION ONE PER MODULE

CKT. NO	A	B	C	D	E	F
1	1	2	3	4	6	5
2	10	11	12	13	8	9

G02101A	"NOR" PULL DOWN RESISTORS OMITTED
G02101B	ALL PULL DOWN RESISTORS OMITTED

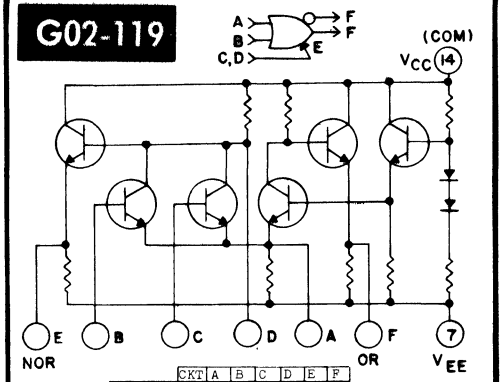


G02-106



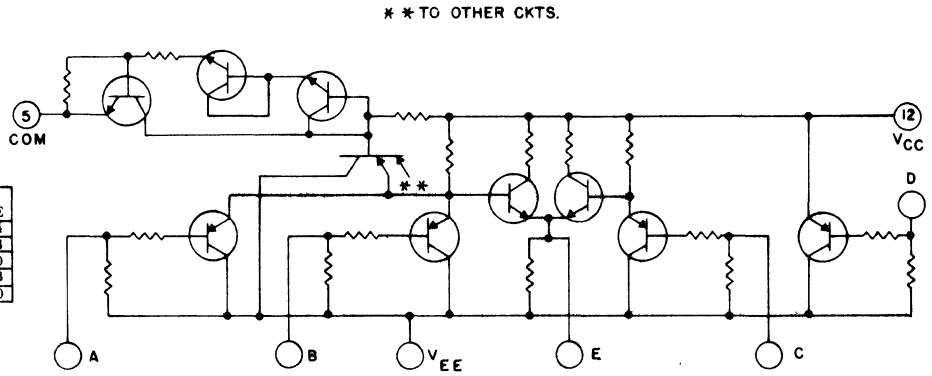
G02 106 A	"NOR" PULLDOWN RESISTORS OMITTED
G02 106 B	ALL PULLDOWN RESISTORS OMITTED

G02-119



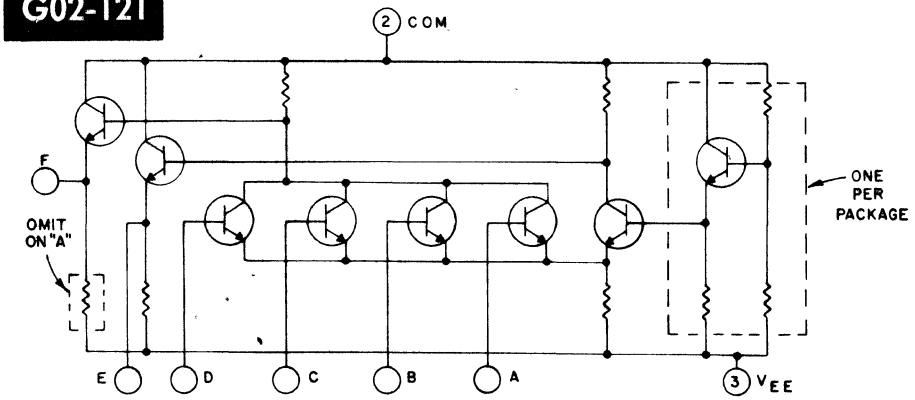
	CKT	A	B	C	D	E	F
G02119	1	1	2	3	4	5	6
	2	10	11	12	13	9	8
G02119a	1	2	3	1	4	6	5
	2	11	12	10	13	8	9

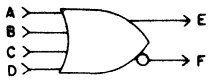
G02-120



	CKT NO.	A	B	C	D	E
G02-120	1	1	2			14
	2	3	4			13
	3	6	7	8	9	10
G02-120b	1	14	1	2	3	13
	2	6	7	8	9	10

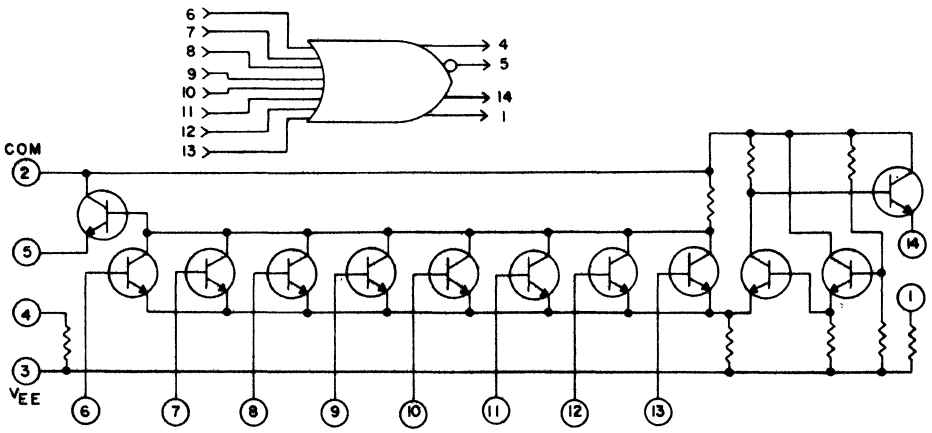
G02-121





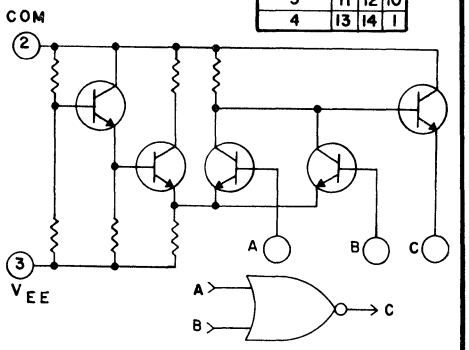
CKT NO	A	B	C	D	E	F
1	5	6	7	8	9	4
2	11	12	13	14	10	1

G02-122



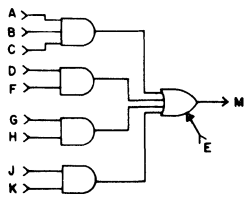
G02-123

CKT NO.	A	B	C
1	5	6	4
2	7	8	9
3	11	12	10
4	13	14	1

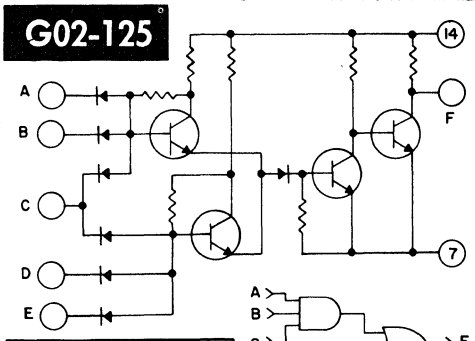


G02-124

PACKAGE	A	B	C	D	E	F	G	H	J	K	M	V_{CC}	COM
FP	7	8	9	5	13	6	1	14	2	3	12	4	11
MP	3	4	5	1	9	2	10	11	12	13	8	14	7



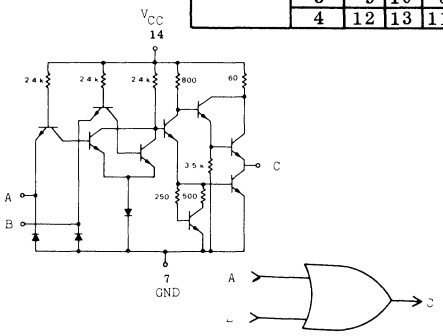
G02-125



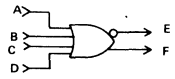
CKT. NO	A	B	C	D	E	F
1	1	2	3	4	5	6
2	13	12	11	10	9	8

G02-126

	CKT	A	B	C
G02-126	1	1	2	3
	2	4	5	6
	3	9	10	8
	4	12	13	11



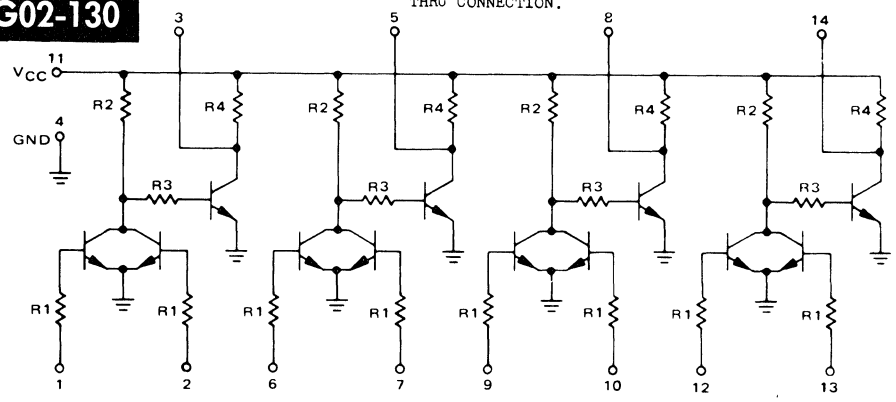
G02-129



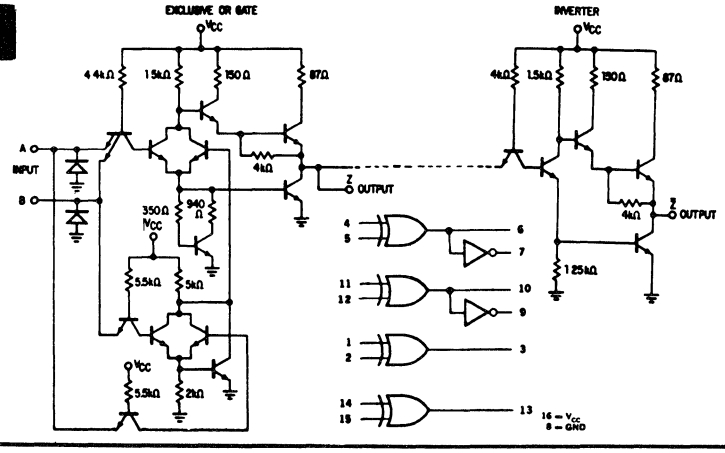
	CKT	A	B	C	D	E	F	VCC	GND
G02-129	1	4	5	6	7	3	2		
	2	8	9	10	11	12	13		
G02-129a	1	1	2	3	4	5	6	7	14
	2	10	11	12	13	9	8	7	14
G02-129b	1	2	3	4	5	6	1	7	14
	2	9	10	11	12	8	13	7	14
G02-129c	1	4	5	6		3	2	1	16
	2	9	10	11		8	7	1	16
	3	14		15		13	12	1	16

G02-130

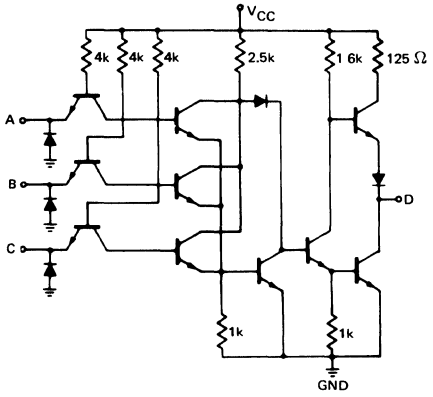
G02-130a - R3 NOT APPLICABLE- THRU CONNECTION.



G02-132

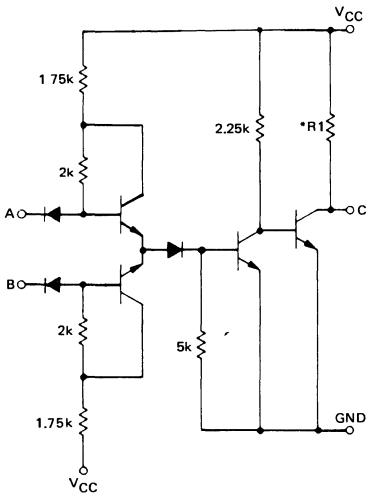


G02-135



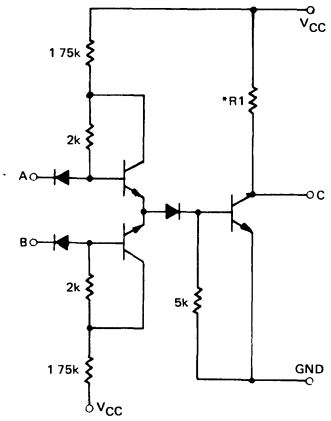
	PKG	CKT	A	B	C	D	VCC	GND
G02-135	FP	1	1	2	14	3	4	11
		2	6	7	8	5		
		3	9	10	12	13		
	MP	1	1	2	13	12	14	7
		2	3	4	5	6		
		3	9	10	11	8		
G02-135a	FP	1	1	2		3	4	11
		2	6	7		5		
		3	9	10		8		
		4	12	13		14		
	MP	1	1	2		3	14	7
		2	4	5		6		
		3	9	10		8		
		4	12	13		11		

G02-136



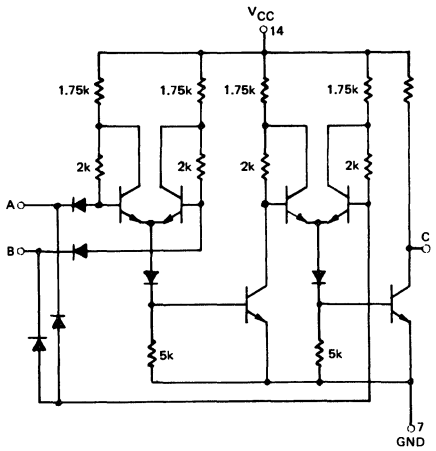
	CKT NO	A	B	C	VCC	GND
G02-136	1	1	2	3	14	7
	2	4	5	6		
	3	9	10	8		
	4	12	13	11		

G02-137



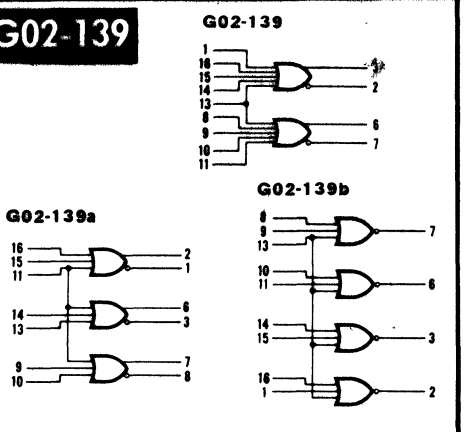
	CKT NO.	A	B	C	VCC	GND
G02-137	1	1	2	3	14	7
	2	4	5	6		
	3	9	10	8		
	4	12	13	11		

G02-138

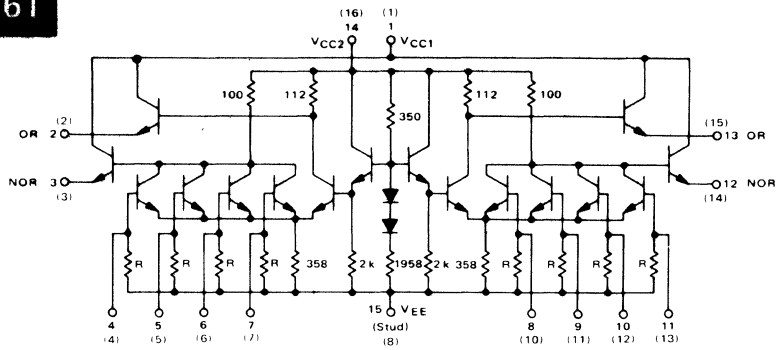


	CKT NO	A	B	C	VCC	GND
G02-138	1	1	2	3	14	7
	2	4	5	6		
	3	9	10	8		
	4	12	13	11		

G02-139

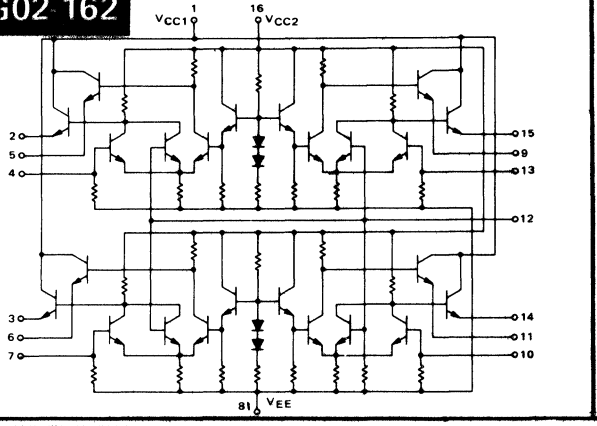


G02-161

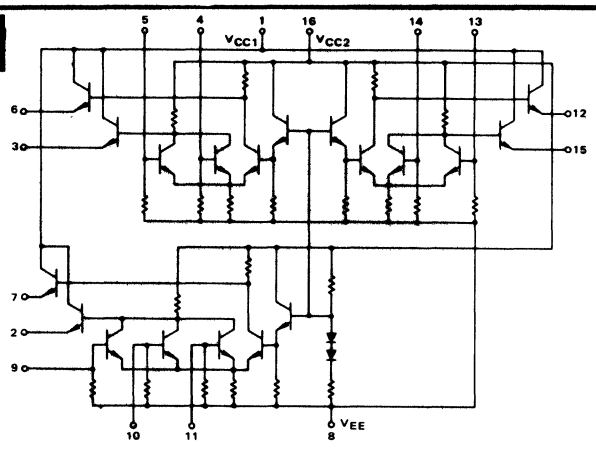


Numbers at ends of terminals denote pin numbers for M Package.
Numbers in parenthesis denote pin numbers for MP package

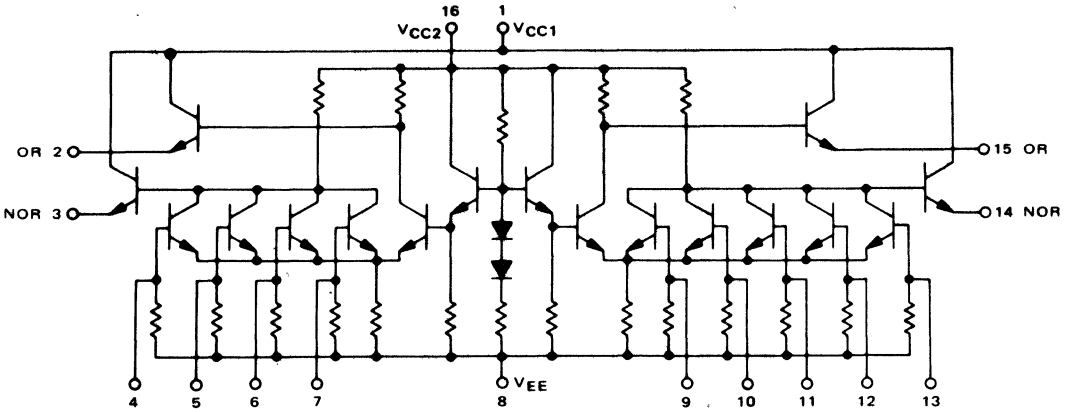
G02-162



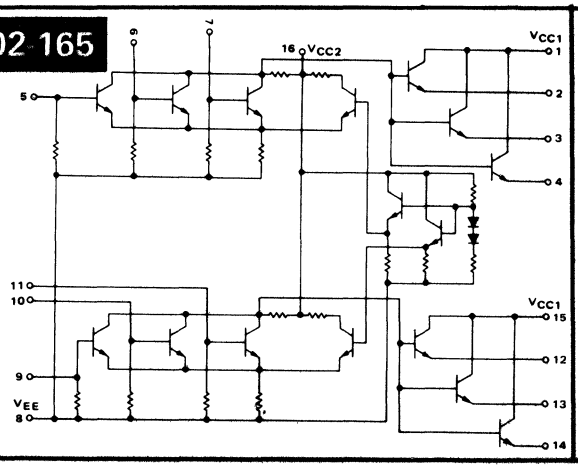
G02-163



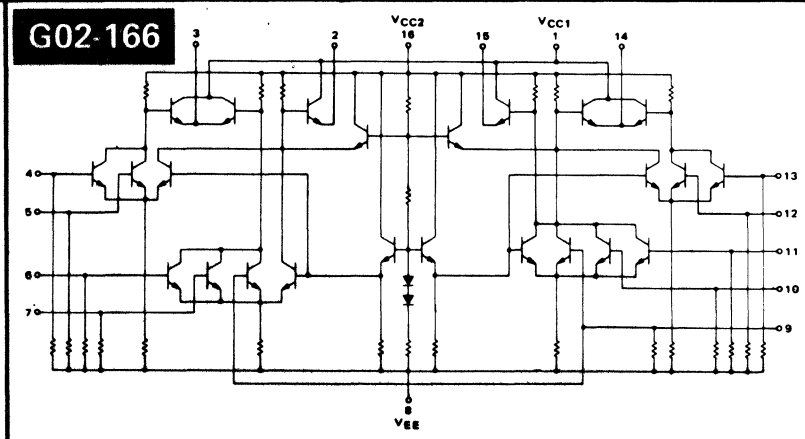
G02-164



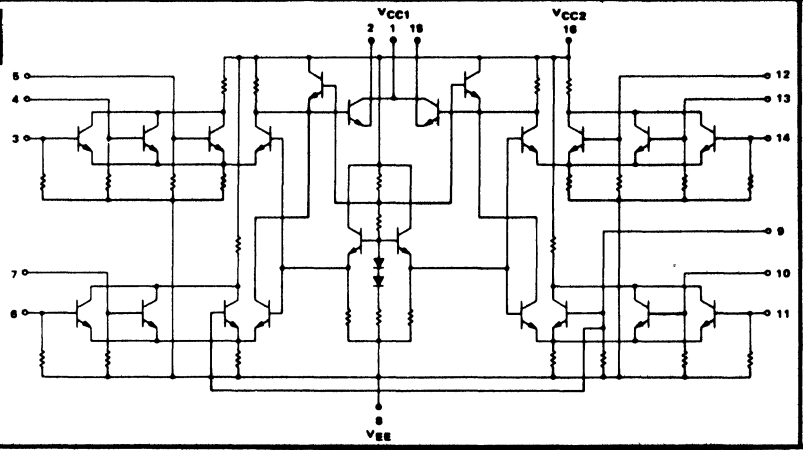
G02-165



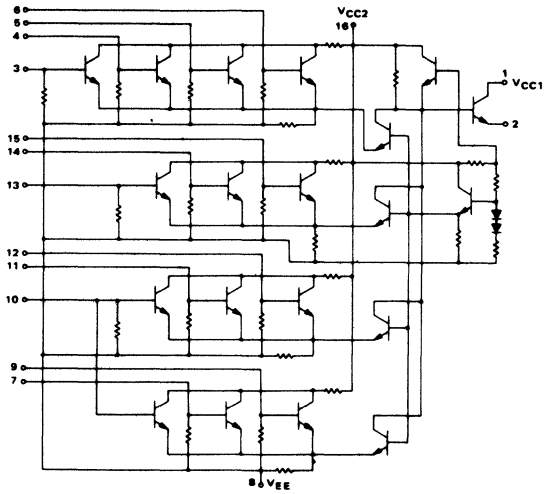
G02-166



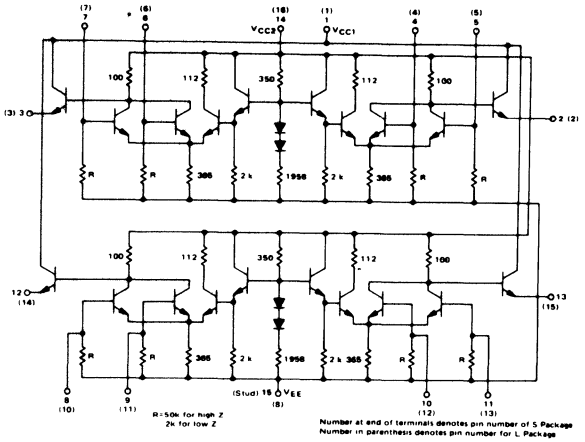
G02-167



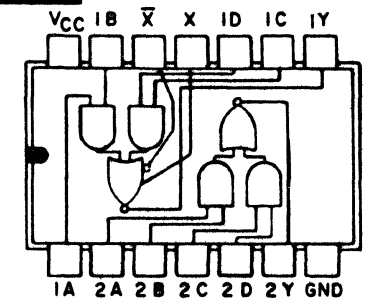
G02-168



G02-169



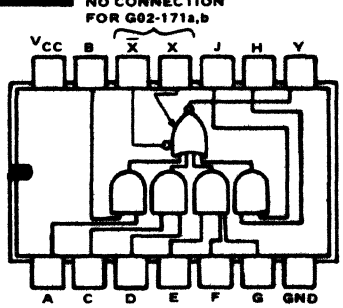
G02-170



	1A	2A	1B	2B	1C	2C	1D	2D	1Y	2Y	X	X̄	VCC	GND
G02-170	1	2	13	3	9	4	10	5	8	6	11	12	14	7
G02-170a	3	6	5	7	13	8	14	9	12	10	1	2	4	11

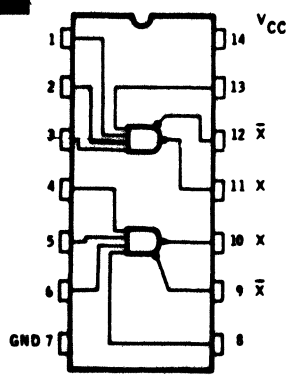
G02-171

NO CONNECTION FOR G02-171a,b

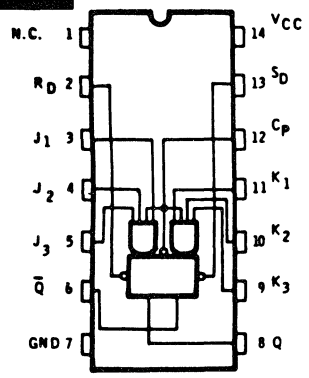


	A	B	C	D	E	F	G	H	J	X	X̄	Y	VCC	GND
G02-171	1	13	2	3	4	5	6	9	10	11	12	8	14	7
G02-171a	1	13	2	3	4	5	6	9	10			8	14	7
G02-171b	3	5	6	7	8	9	10	13	14			12	4	11

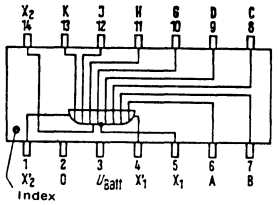
G02-172

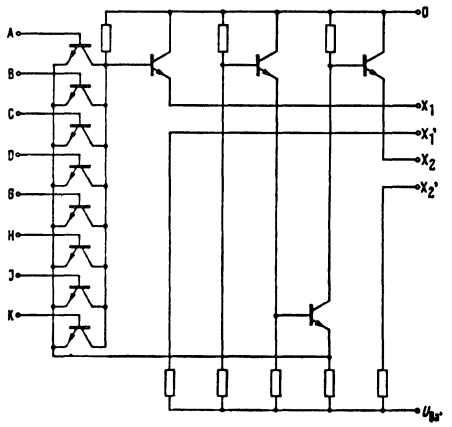


G02-173

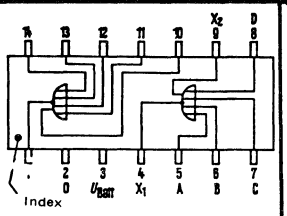


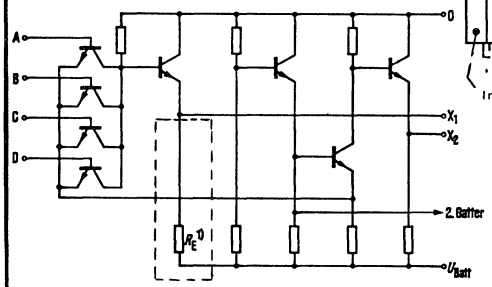
G02-175





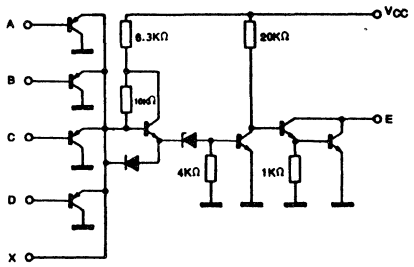
G02-176





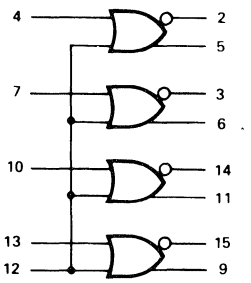
1) Dotted portion omitted on G01-176a

G02-177

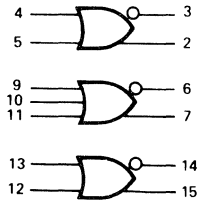


	CKT	A	B	C	D	X	E	VCC	GND
G02-177	1	1	2	4	5	3	6	14	7
	2	9	10	12	13	11	8		

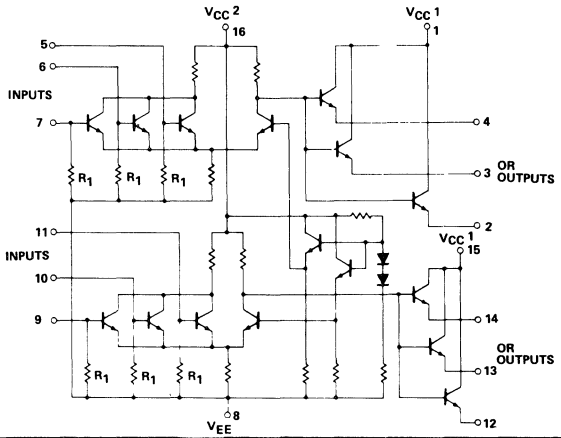
G02-178



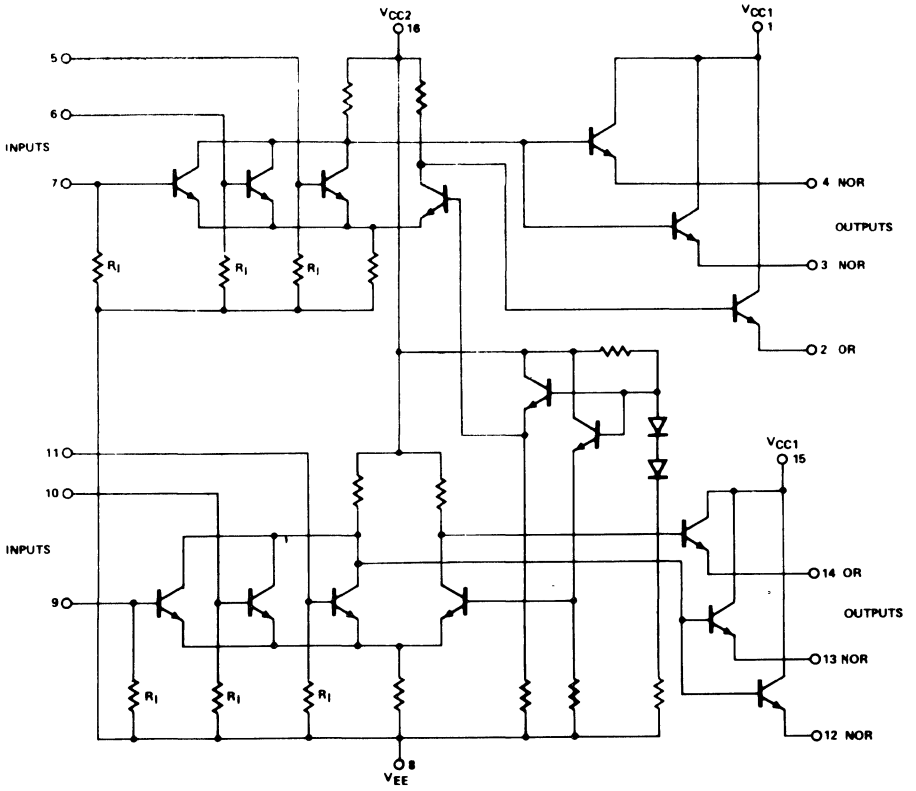
G02-179



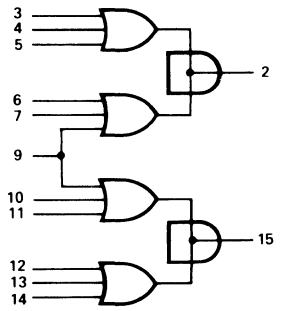
G02-180



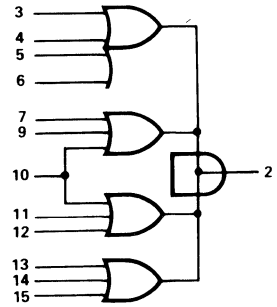
G02-181



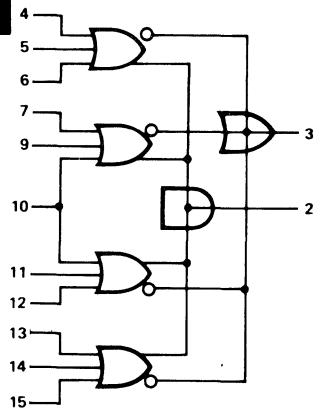
G02-182



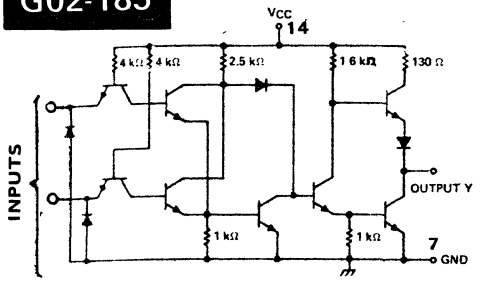
G02-183



G02-184

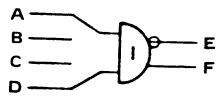


G02-185



	CKT	A	B	Y
G02-185	1	1	2	3
	2	4	5	6
	3	9	10	8
	4	12	13	11

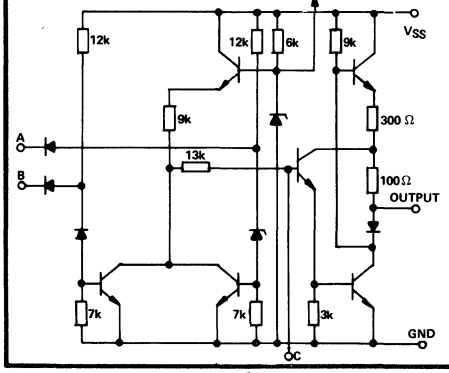
G02-187



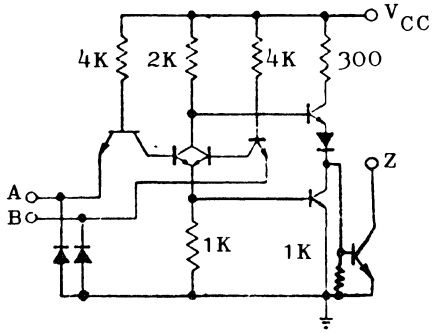
	CKT NO.	A	B	C	D	E	F	VCC 1	VCC 2	VEE
G02-187	1	1	2	3	4	5	6			
	2	10	11	12	13	9	8			
G02-187a	1	4	5	6	7	3	2	1	14	15
	2	8	9	10	11	12	13			
G02-187b	1	4	5	6	7	3	2	1	16	8
	2	10	11	12	13	14	15			

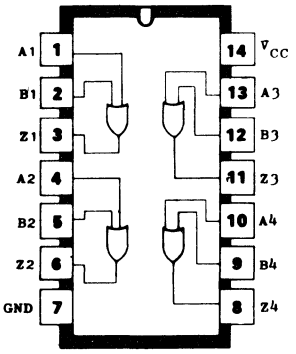
G02-188

	CKT	A	B	C	OUTP.	VSS	GND
G02-188	1	2	3	1	4	16	8
	2	5	6		7		
	3	10	11		9		
	4	13	14	15	12		

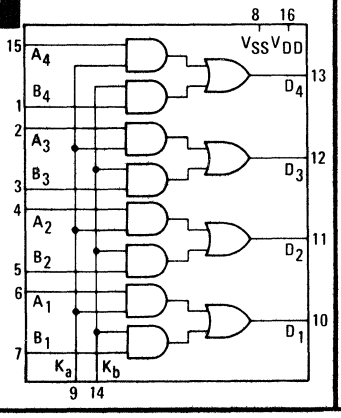


G02-189

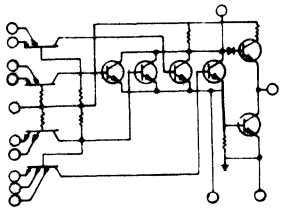


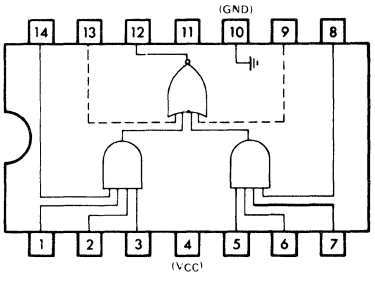


G02-190

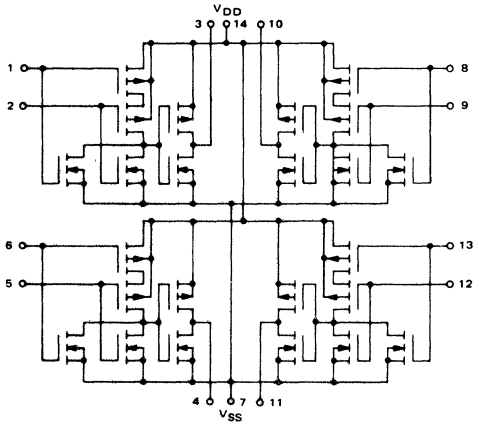


G02-191

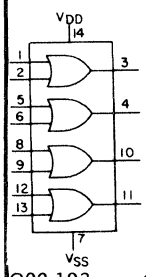




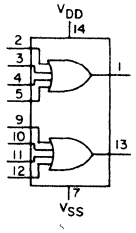
G02-192



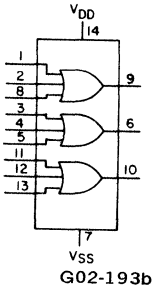
G02-193



G02-193

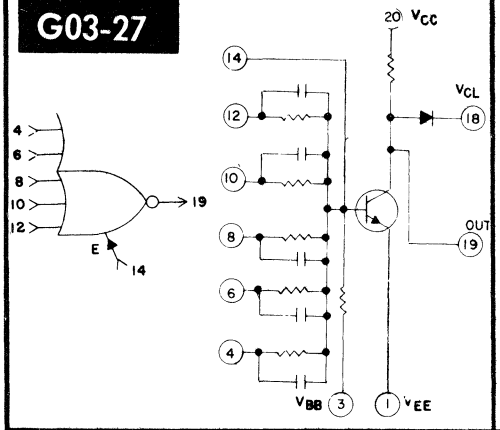


G02-193a

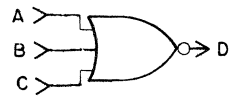


G02-193b

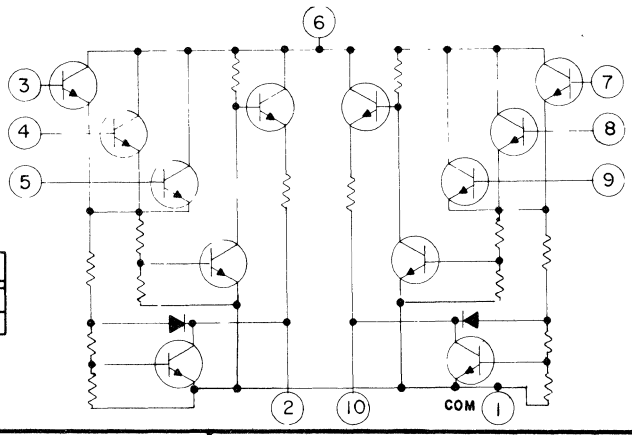
G03-27



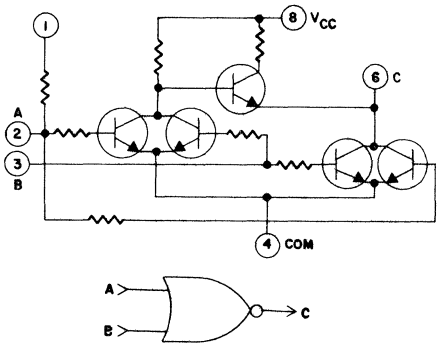
G03-29



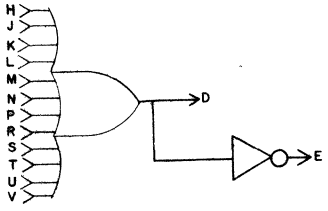
CKT NO	A	B	C	D
1	9	8	7	10
2	5	4	3	2



G03-36

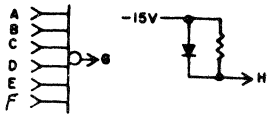


G03-37

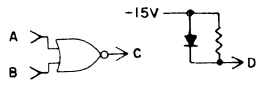


G03-38

	CKT 1	CKT 2
A	D	N
B	E	P
C	F	R
D	H	S
E	J	T
F	K	U
G	L	V



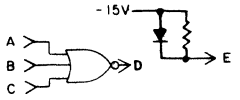
G03-45



3 CLAMPED LOADS

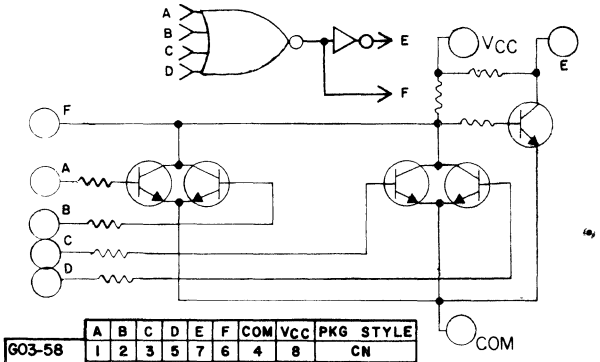
CKT. NO.	A	B	C	D
1	D	E	F	H
2	N	P	R	M
3	J	K	L	S
4	T	U	V	

G03-46



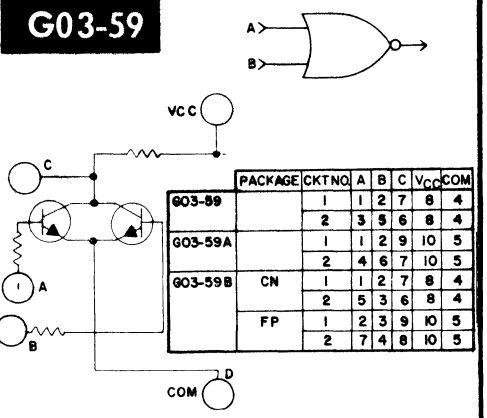
CKT. NO.	A	B	C	D	E
1	D	E	F	H	J
2	K	L	M	N	P
3	R	S	T	U	V

G03-58



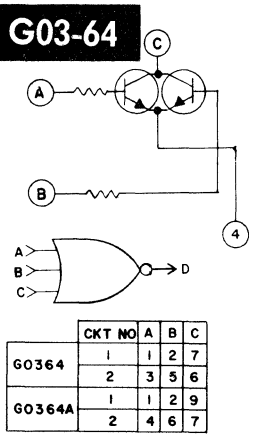
	A	B	C	D	E	F	COM	VCC	PKG STYLE
G03-58	1	2	3	5	7	6	4	8	CN
	1	2	4	6	9	7	5	10	FP
G03-58 A	1	2	3	5	7	6	4	8	CN
	2	3	4	7	9	8	5	10	FP

G03-59



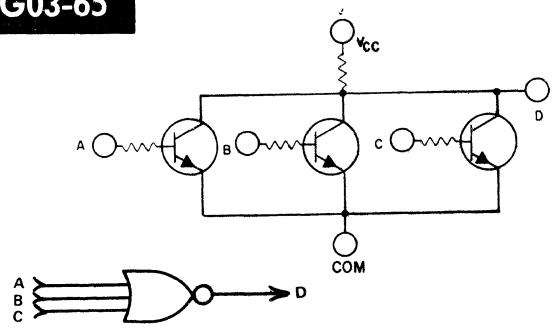
PACKAGE		CKT NO.	A	B	C	VCC	COM
G03-59		1	1	2	7	8	4
		2	3	5	6	8	4
G03-59A		1	1	2	9	10	5
		2	4	6	7	10	5
G03-59B	CN	1	1	2	7	8	4
		2	5	3	6	8	4
	FP	1	2	3	9	10	5
		2	7	4	8	10	5

G03-64



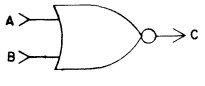
	CKT NO	A	B	C
G0364	1	1	2	7
	2	3	5	6
G0364A	1	1	2	9
	2	4	6	7

G03-65



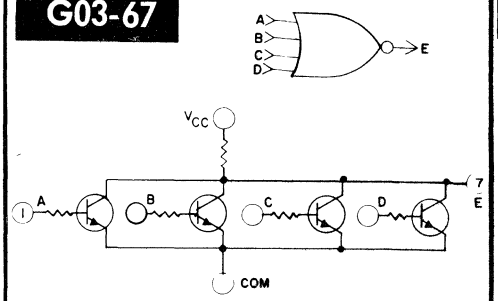
	CKT NO	A	B	C	D	COM	VCC
G03-65	1	2	3	4	1	5	10
	2	6	7	8	9		
G03-65A	1	1	4	5	3	7	14
	2	6	8	9	2		
	3	10	11	12	13		
G03-65B	1	2	3	4	1	5	10
	2	6	7	8	9		
G03-65C	1	1	2	3	4	5	10
	2	6	7	8	9		
G03-65D	1	3	4	5	6	7	14
	2	9	10	11	8		
	3	13	1	2	12		
G03-65E	1	1	3	5	5	4	8
G03-65F	1	2	12	13	3	4	11
	2	5	6	9	10		
G03-65G	1	1	2	14	3	4	11
	2	6	7	8	5		
	3	10	12	13	9		

GO3-66



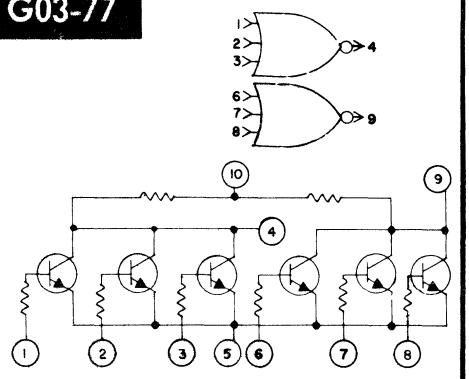
	CKT.NO.	A	B	C
G03-66	1	1	2	7
	2	3	5	6
G03-66a	1	16	14	15
	2	13	10	12
	3	8	6	7
	4	4	2	3
G03-66c	1	1	2	3
	2	5	6	4
	3	8	9	10
	4	12	13	11
G03-66d	1	4	5	2
	2	6	7	3
	3	8	9	12
	4	10	11	13
G03-66e	1	2	3	1
	2	5	6	4
	3	8	9	10
	4	11	12	13
G03-66f	1	1	2	3
	2	4	5	6
	3	9	10	8
	4	12	13	11
G03-66g	1	2	3	4
	2	5	6	7
	3	10	11	9
	4	13	14	12
G03-66h	1	4	5	2
	2	6	7	3
	3	10	11	14
	4	12	13	15

G03-67



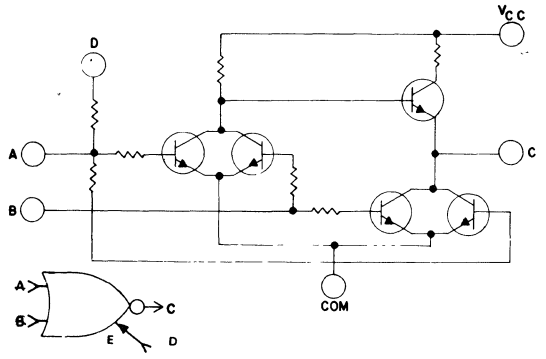
	CKT NO	A	B	C	D	E	COM	VCC	PKG STYLE
G0367	1	1	2	3	6	7	5	8	CN
G0367A	1	2	3	5	6	1	7	14	FP
	2	8	9	10	12	13			

G03-77

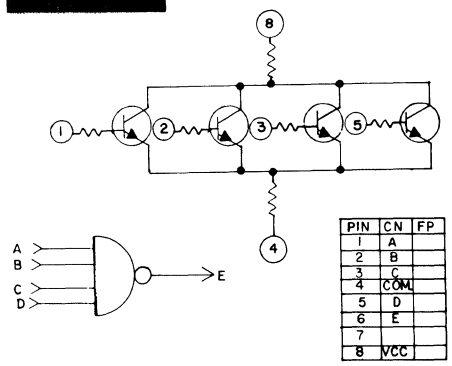


G03-79

	CKT	A	B	C	D	VCC	COM	PKG
G03-79	1	3	4	8	2	10	5	
G03-79B	1	1	2	7		8	4	
	2	3	5	6		8	4	
G03-79C	1	2	3	6	1	8	4	
G03-79D	1	2	3	6	1	8	4	CN
	1	3	4	8	2	10	5	FP
G03-79E	1	2	4	7	1	10	5	
G03-79F	1	1	2	7		8	4	CN
	2	3	5	6		8	4	
	1	1	3	9		10	5	FP
	2	4	7	8		10	5	
G03-79G	1	13	2	3	12	11	4	
	2	6	10	5	9	11	4	

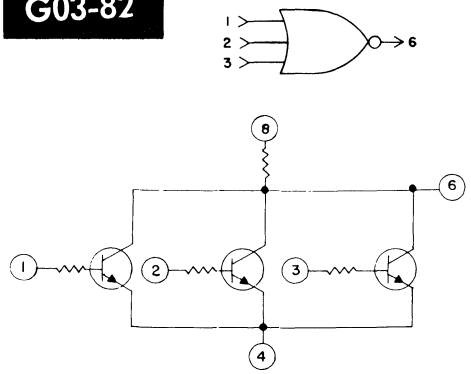


G03-80

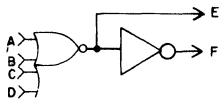


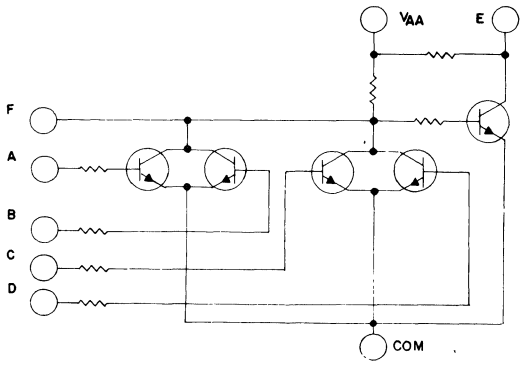
PIN	CN	FP
1	A	
2	B	
3	C	
4	COM	
5	D	
6	E	
7		
8	VCC	

G03-82



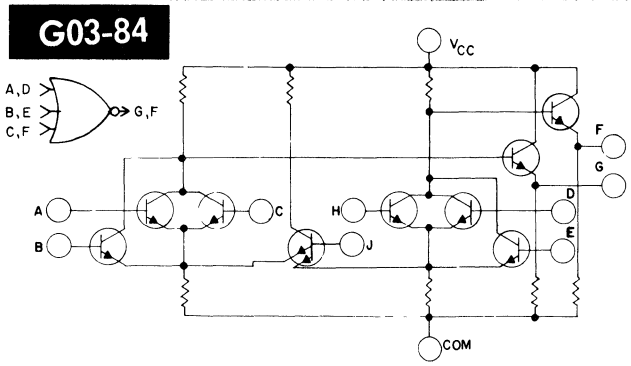
G03-83





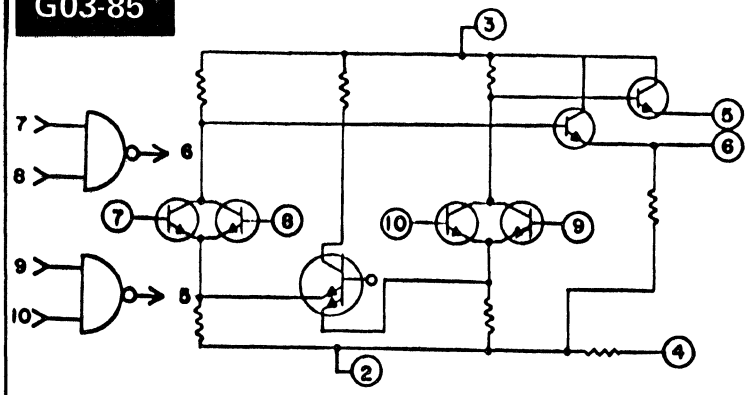
		A	B	C	D	E	F	VAA	COM
G0383	CN	1	2	3	5	6	7	8	4
	FP	2	3	4	7	8	9	10	5
G0383A	FP	1	2	4	6	9	7	10	5

G03-84

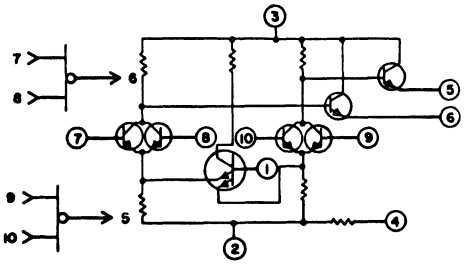


	A	B	C	D	E	F	G	H	J	VCC	COM
G OUT LINE	7	8	9	11	12	5	6	10	1	3	2
F OUT LINE	8	9	10	13	14	5	6	12	2	4	3

G03-85

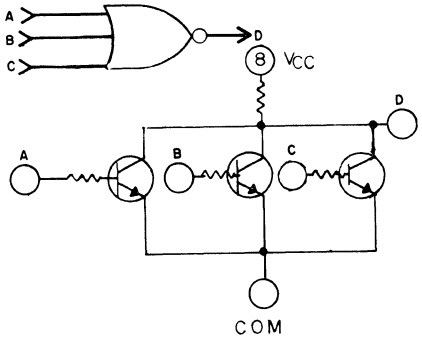


G03-86

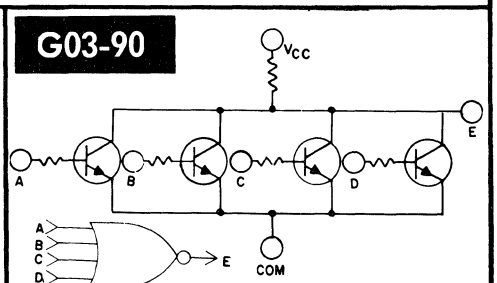


G03-89

A	B	C	D	COM	VCC	PKG STYLE
2	3	4	8	5	10	FP
1	2	3	6	4	8	CN

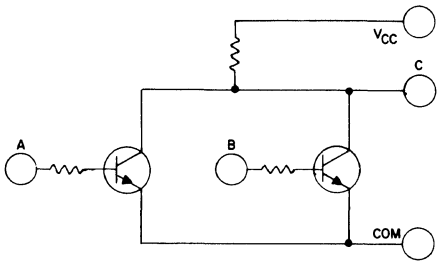


G03-90



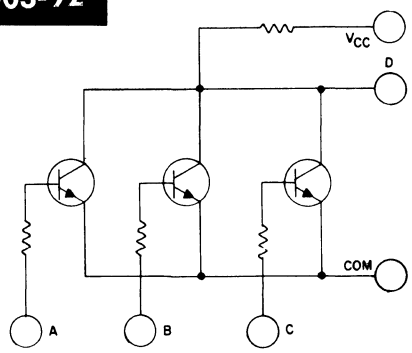
	CKT NO	A	B	C	D	E	COM	VCC	PKG STYLE
G0390	1	1	2	3	5	6	4	8	CN
	1	2	3	4	7	8	5	10	FP
G0390A	1	2	3	5	6	1	7	14	FP
	2	8	9	10	12	13			
G0390B	1	2	3	13	14	12	4	11	MP
	2	5	6	7	9	10			

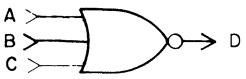
G03-91



	CKT NO	A	B	C	COM	VCC	PKG STYLE
G0391	1	1	2	7	4	8	CN
	2	3	5	6			
	1	1	2	9	5	10	FP
	2	4	6	7			
G0391A	1	2	3	9	5	10	FP
	2	4	7	8			
G0391B	1	1	2	3	7	14	FP
	2	4	5	6			
	3	9	10	8			
	4	12	13	11			
G0391C	1	1	2	3	4	11	M
	2	6	7	5			
	3	9	10	8			
	4	12	13	14			

G03-92

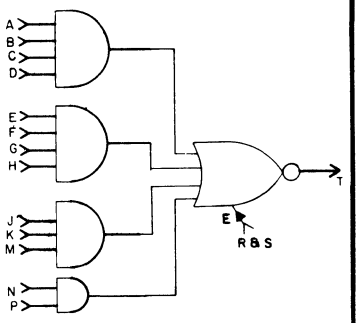




2 CKTS

	CKT NO	A	B	C	D	E OR F	COM	PKG
G03-92	1	1	2	3	4	10	5	
	2	6	7	8	9			
G03-92B	1	1	2	3	6	8	4	
G03-92C	1	1	2	3	4	5	10	
	2	6	7	8	9			
G03-92D	1	1	2	3	9	5	10	FP
	2	4	6	7	8			
G03-92E	1	2	13	12	3	11	4	
	2	5	6	9	10			

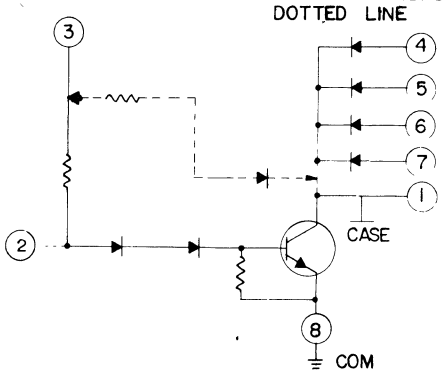
G03-107

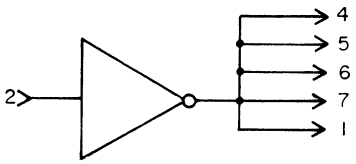


	OUTLINE	CKT NO	A	B	C	D	E	F	G	H	J	K	M	N	P	R	S	T	VCC	COM
G03-107	CN	1	1	2	3	4	8	9	10	11	NC	NC	NC	NC	NC	NC	NC	7	12	10
	FP	1	13	1	2	3	5	6	7	9	NC	NC	NC	NC	NC	NC	NC	12	4	10
G03-107A	CN	1	1	2	NC	NC	6	7	NC	NC	NC	NC	NC	NC	NC	NC	NC	5	8	4
G03-107B	FP	1	14	1	2	3	5	6	7	8	NC	NC	NC	NC	NC	9	13	12	4	10
G03-107C	FP	1	NC	NC	NC	NC	NC	NC	NC	NC	1	2	3	13	14	NC	NC	12	4	10
		2	NC	NC	NC	NC	NC	NC	NC	NC	5	6	7	8	9	NC	NC	11	4	10
G03-107D	FP	1	1	2	3	NC	5	6	7	NC	8	9	11	NC	NC	13	14	12	4	10
G03-107E	FP/M	1	14	1	NC	NC	2	3	NC	NC	7	8	9	5	6	13	12	11	4	10
G03-107F	FP M	1	1	13	NC	NC	2	3	NC	NC	4	5	6	9	10	11	12	8	14	7

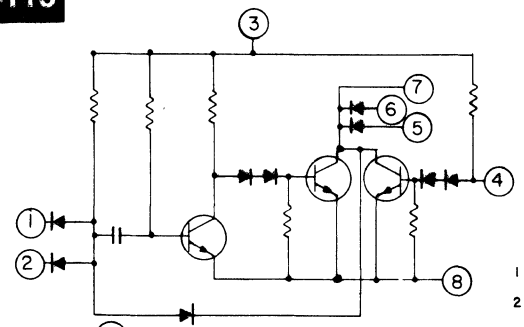
G03-112

NOTE G03112 A INCLUDES DOTTED LINE

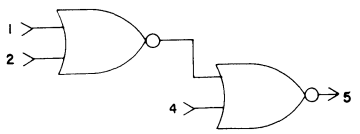




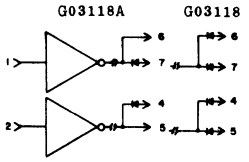
G03-113

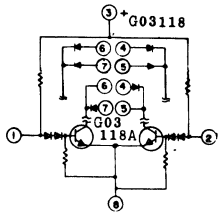


TERMINAL (1) IS A GATE EXPANDER IN THE "A" VERSION

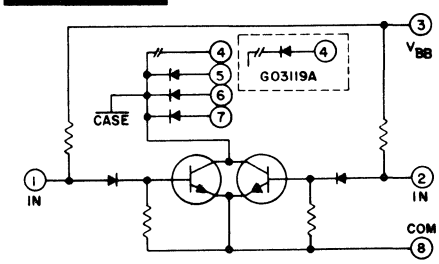


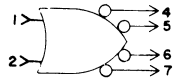
G03-118



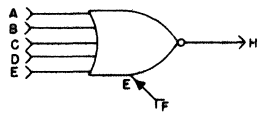


G03-119



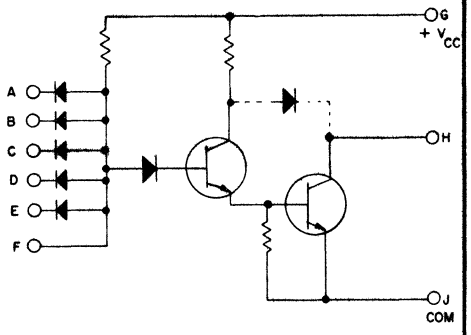


G03-121

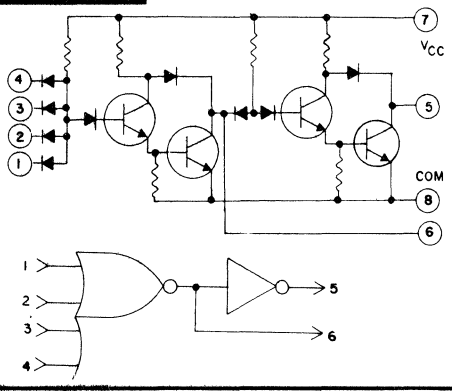


	CKT. NO	A	B	C	D	E	F	G	H	J
G03-121,A	1	2	1	NC				7	6	8
	2	5	4					7	3	8
G03-121B,C	1	5	4	3	2	NC	1	7	6	8
G03-121D,E	1	5	4	3	2	1	NC	7	6	8

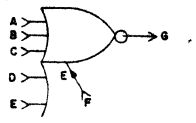
NOTE: G03121A,C & E INCLUDE DOTTED IN PORTION (DIODE)



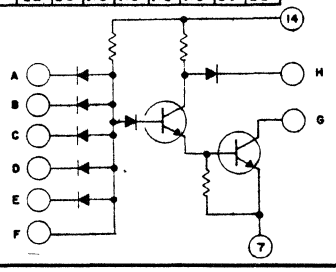
G03-122



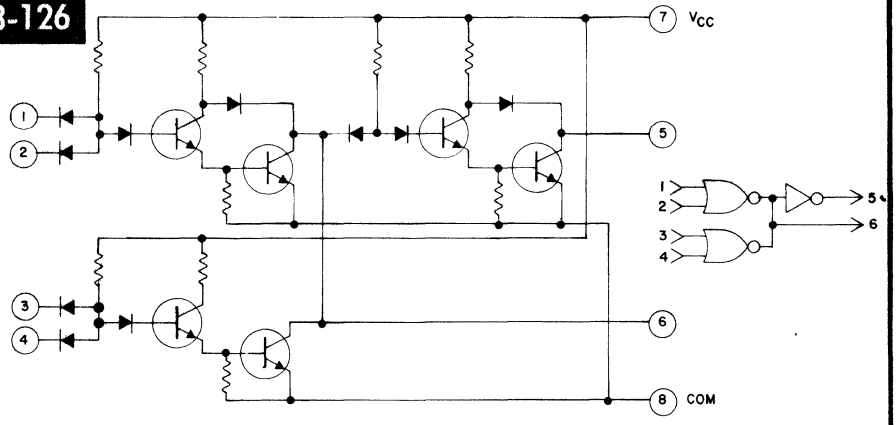
G03-124



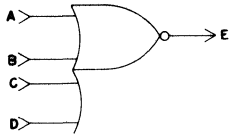
CKT NO	A	B	C	D	E	F	G	H
1	1	2	4	5	6	3	8	9
2	12	13	NC	NC	NC	NC	10	11



G03-126

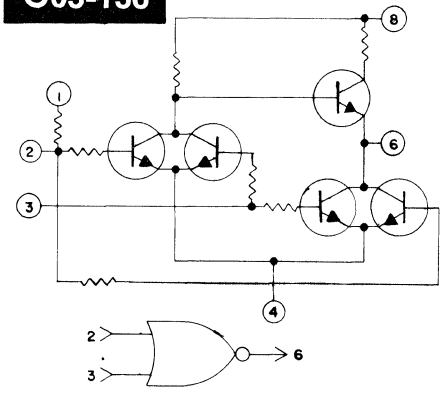


G03-131

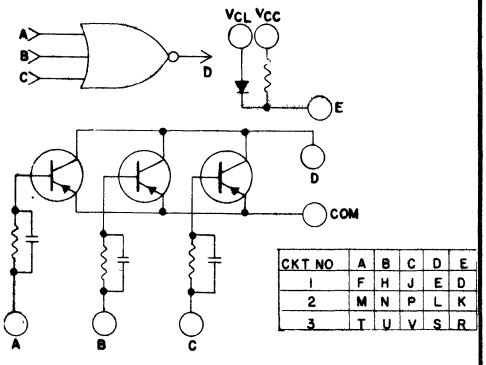


	CKT.NO	A	B	C	D	E
G03-131	1	E	F			D
	2	J	K			H
	3	M	N	P		L
	4	S	T	U	V	R
G03-131a	1	47	45	44		50
	2	43	42	41		46
	3	40	39	38		36
	4	37	31	33		34
	5	29	28	27		35
	6	26	25	24		30
	7	23	22	14		20
	8	13	12	11		18
	9	10	9	8		17
	10	7	6	5		15
	11	19	21	NC		1
	12	4	2	NC		3
G03-131b	1	1	2	3		4
	2	6	7	8		9
G03-131c	1	16	14			15
	2	13	10			12
	3	8	6			7
	4	4	2			3
G03-131d	1	1	2	3		4
	2	5	6	8		9
	3	11	12	13		10

G03-136

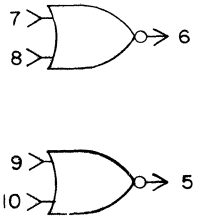


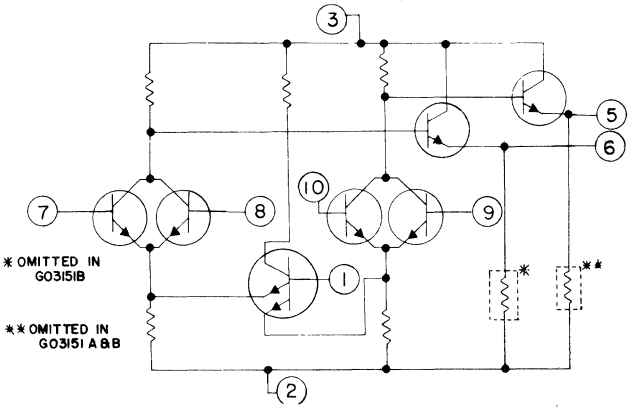
G03-139



CKT NO	A	B	C	D	E
1	F	H	J	E	D
2	M	N	P	L	K
3	T	U	V	S	R

G03-151

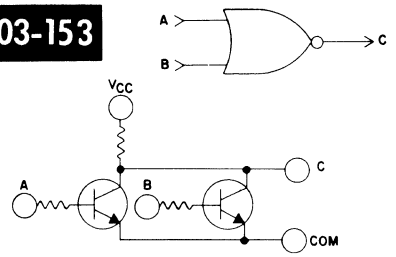




* OMITTED IN G03151B

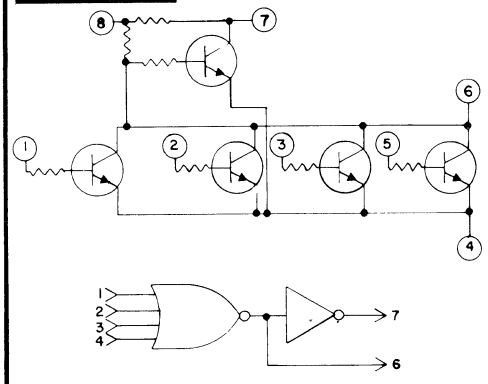
** OMITTED IN G03151 A&B

G03-153

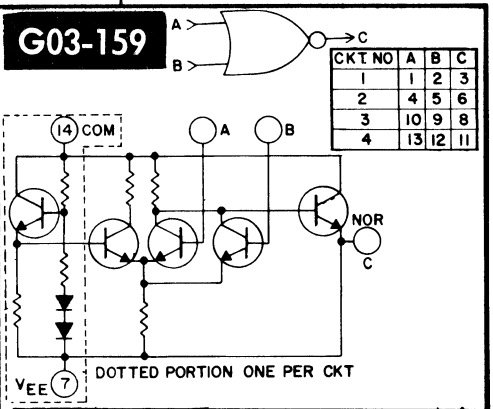


	CKT NO	A	B	C	COM	VCC	PKG STYLE
G03153	1	1	2	7	4	8	CN
	2	3	5	6			
G03153A	1	1	2	3	7	14	FP
	2	4	5	6			
	3	9	10	8			
	4	12	13	11			

G03-154



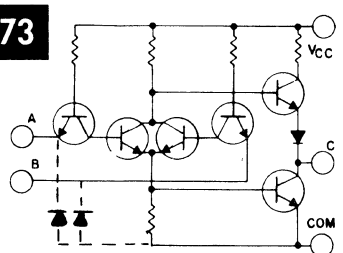
G03-159



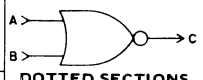
CKT NO	A	B	C
1	1	2	3
2	4	5	6
3	10	9	8
4	13	12	11

G03159A	PIN 3 AND 6 PULL DOWN RESISTORS OMITTED
G03159B	ALL PULL DOWN RESISTORS OMITTED

G03-173

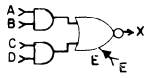


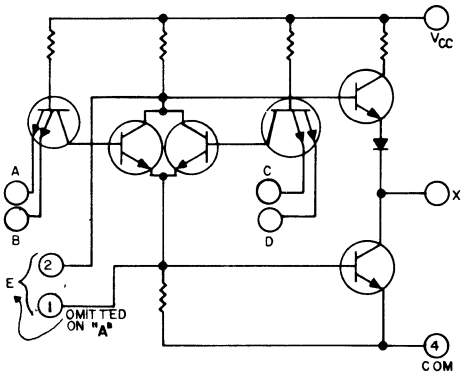
	CKT NO	A	B	C	VCC	COM
FP	1	1	2	3	4	11
	2	6	7	5		
	3	9	10	8		
	4	12	13	14		
MP	1	2	3	1	14	7
	2	5	6	4		
	3	8	9	10		
	4	11	12	13		



DOTTED SECTIONS FOR G03-173 a ONLY

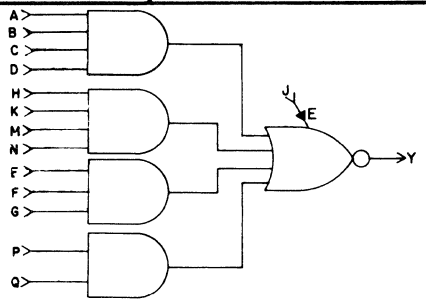
G03-174

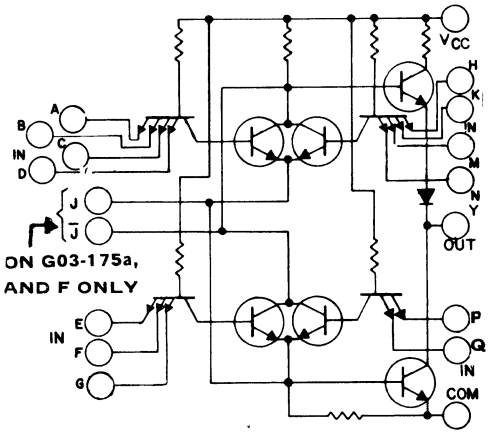




	CKT NO	A	B	C	D	E_1	E_2	X	VCC	COM
FP	1	3	5	13	14	1	2	12	4	11
	2	6	7	8	9	NC	NC	10		
MP	1	1	13	9	10	12	11	8	14	7
	2	2	3	4	5	NC	NC	6		

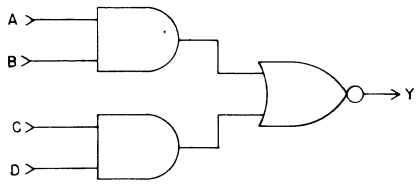
G03-175





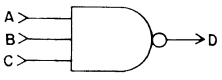
	PKG	CKT	A	B	C	D	E	F	G	H	J	J	K	M	N	P	Q	Y	VCC	COM
G03-175,a	FP	1	3	5			6	7		8	1	2	9			13	14	12	4	11
			1	13			2	3		4	11	12	5			9	10	8	14	7
G03-175b	FP	1	1	13	14					2			3	5				12	4	11
		2	6	7						8			9					10	4	11
G03-175c	FP	1	1	2	3	14				5			6	7	8			12	4	11
G03-175d	FP	1	13	14	1		2	3		7			8	9		5	6	10	4	11
G03-175e,f	MP	1	2	3			9	10		4	12	11	5			1	13	8	14	7

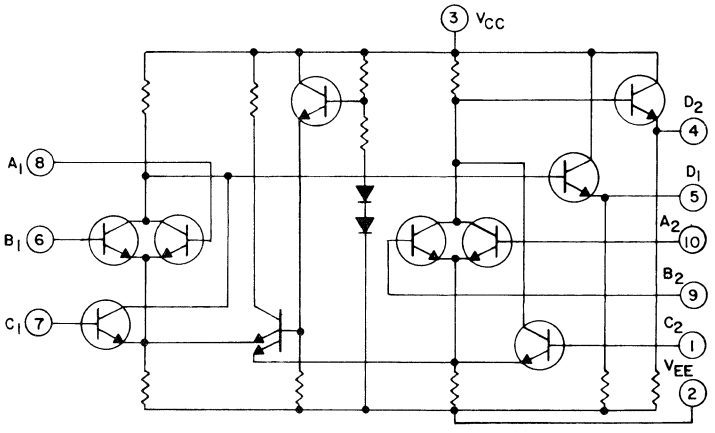
G03-177



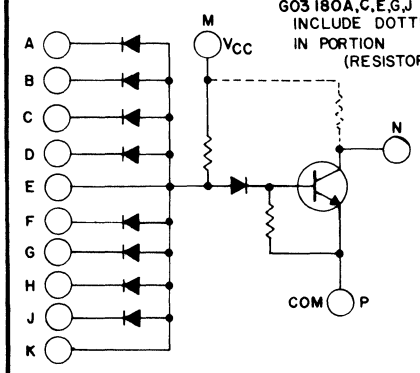
	CKT.NO	A	B	C	D	Y	VCC	COM
G03-177	1	1	13	9	10	8	11	7
	2	2	3	4	5	6	11	7
G03-177a	1	1	13	9	10	8	14	7
	2	2	3	4	5	6	14	7

G03-179

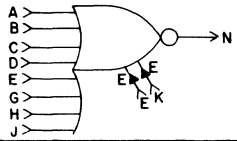




G03-180

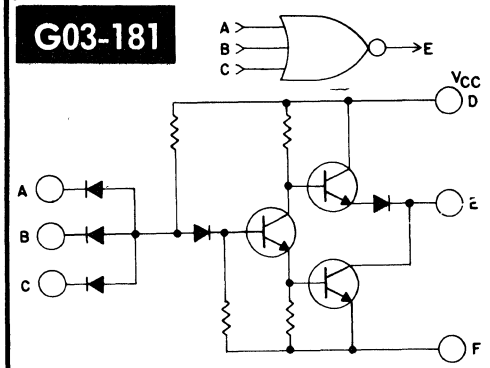


G03 180A,C,E,G,J INCLUDE DOTTED IN PORTION (RESISTOR)



	CKT NO	A	B	C	D	E	F	G	H	J	K	M	N	P
G03 180,A	1	2	3	4	5	6	9	10	11	12	13	7	1	14
G03 180B,C	1	9	10	11	12	13	NC					7	1	14
	2	2	3	4	5	6							8	
G03 180D,E	1	12	13			1	NC					7	2	14
	2	3	4	5									11	
	3	8	9	10									6	
G03 180F,G	1	12	13	1	NC							7	2	14
	2	3	4	5									11	
	3	8	9	10									6	
G03 180H,J	1	13	12	NC								7	1	14
	2	5	6										8	
	3	2	3										11	
	4	9	10										4	

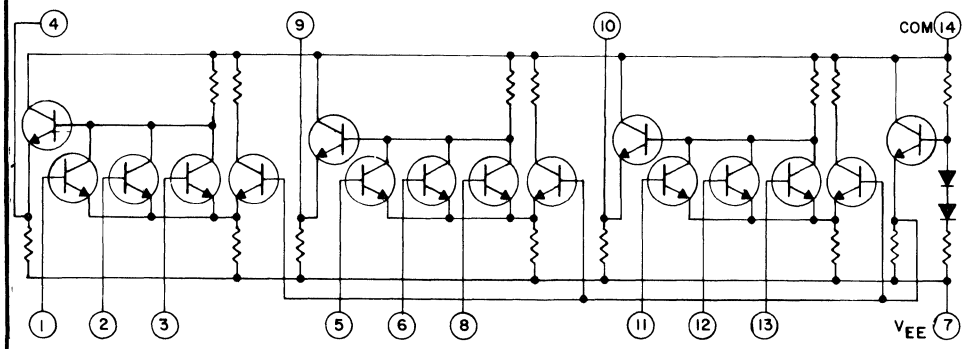
G03-181



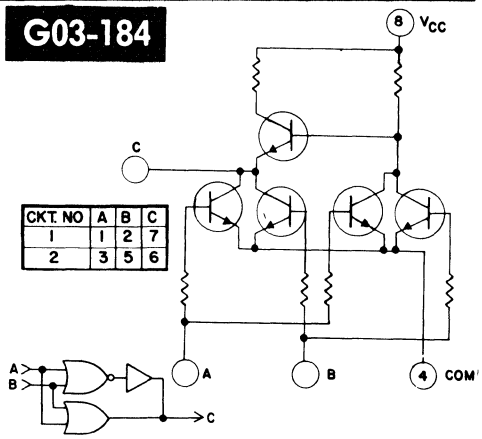
	CKT NO	A	B	C	D	E	F
G03 181	1	9	10	11	7	12	14
	2	4	5	6	7	3	14

G03-183

G03 183 A	PIN 9 & 10 PULLDOWN RESISTORS OMITTED
G03 183 B	ALL PULLDOWN RESISTORS OMITTED

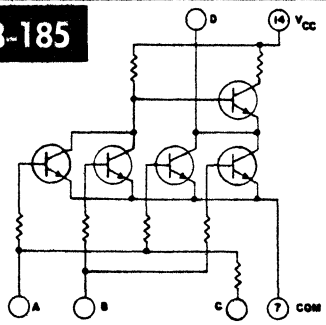


G03-184



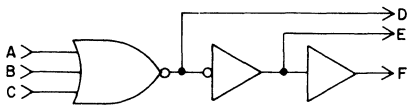
CKT NO	A	B	C
1	1	2	7
2	3	5	6

G03-185

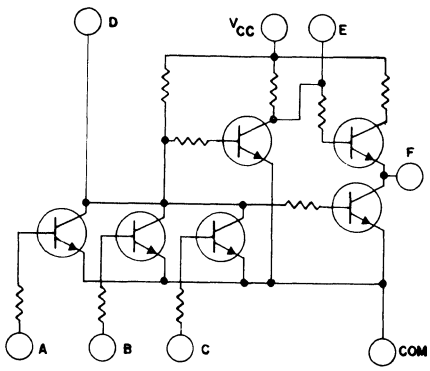


	CKT. NO.	A	B	C	D	VCC	COM
G03-185	1	2	5	1	6	14	7
	2	13	9	12	8		
G03-185A	1	13	2	12	3	11	4
	2	6	10	9	5		

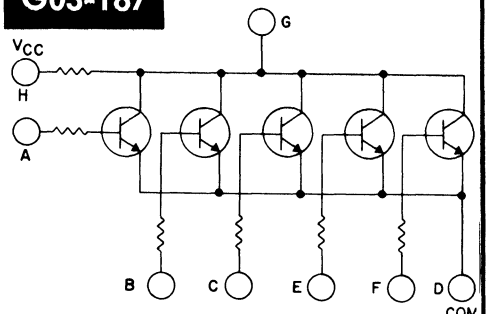
G03-186



	CKT NO.	A	B	C	D	E	F	COM	VCC
G03-186	1	4	5	6	3	2	1	7	14
	2	8	9	10	11	12	13		
G03-186A	1	1	2	3	14	13	12	4	11
	2	5	6	7	8	9	10		

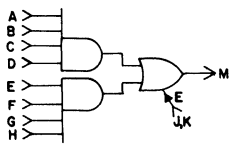


G03-187



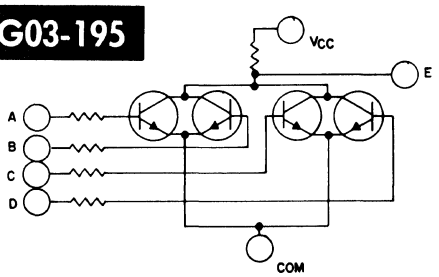
A	B	C	D	E	F	G	H	PKG STYLE
1	2	3	4	5	6	7	8	CN
2	3	4	5	6	7	9	10	FP

G03-189



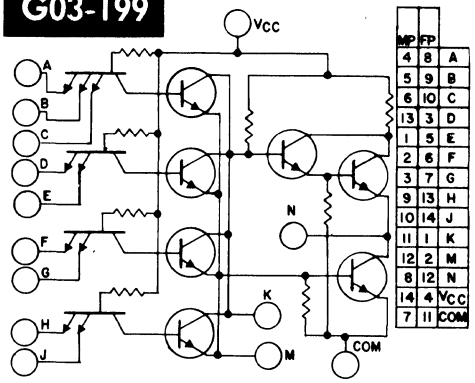
	CKT NO.	A	B	C	D	E	F	G	H	J	K	M	VCC	COM
G03-189	1	13	14	1	2	3						12	4	10
	2	5	6	7	8	9						11		
G03-189A	1	13	1	2	3	5	6	7	9			12	4	10
G03-189B	1	14	1	2	3	5	6	7	8	9	13	12	4	10
G03-189C	1	5	6			9	11			7	8	12	4	10
	2	1	14			2	3					13		

G03-195



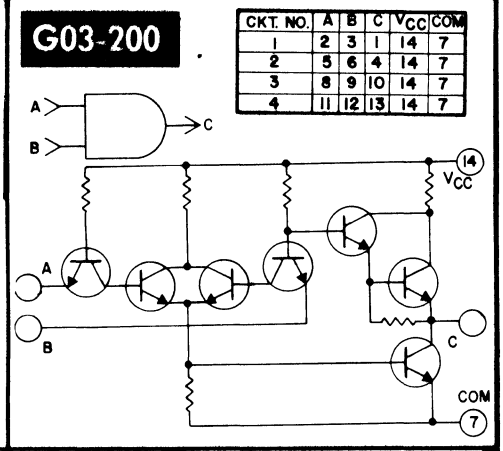
	CKT NO.	A	B	C	D	E	V_{CC}	COM
G03-195	1	1	2	3	5	6	8	4
G03-195A	1	1	2	4	6	7	10	5
G03-195B	1	1	2	3	NC	9	10	5
	2	4	6	7	NC	8		

G03-199



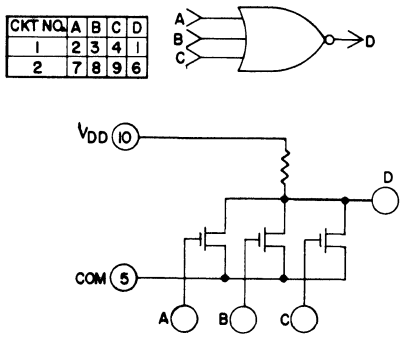
MP	FP	
4	8	A
5	9	B
6	10	C
13	3	D
1	5	E
2	6	F
3	7	G
9	13	H
10	14	J
11	1	K
12	2	M
8	12	N
14	4	V_{CC}
7	11	COM

G03-200



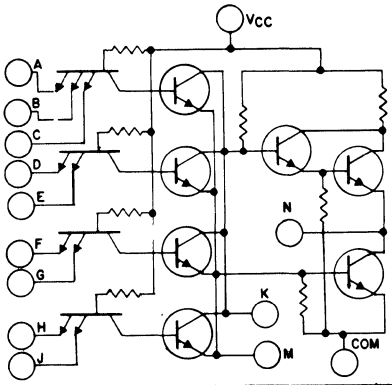
CKT. NO.	A	B	C	V_{CC}	COM
1	2	3	1	14	7
2	5	6	4	14	7
3	8	9	10	14	7
4	11	12	13	14	7

G03-202



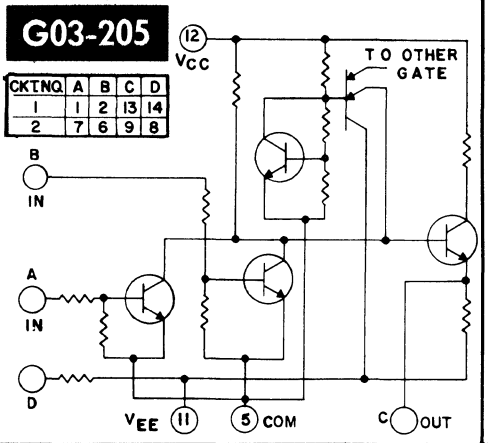
CKT NO.	A	B	C	D
1	2	3	4	1
2	7	8	9	6

G03-204



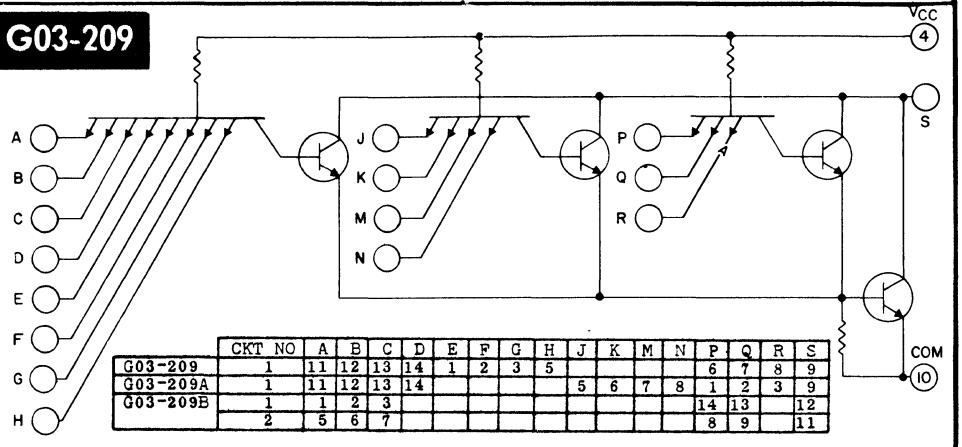
	A	B	C	D	E	F	G	H	J	K	M	N	V_{CC}	COM
G03-204	14	1	2	3	5	6	7	8	9	12	13	11	4	10

G03-205



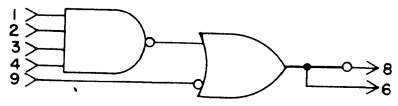
CKT NO	A	B	C	D
1	1	2	13	14
2	7	6	9	8

G03-209

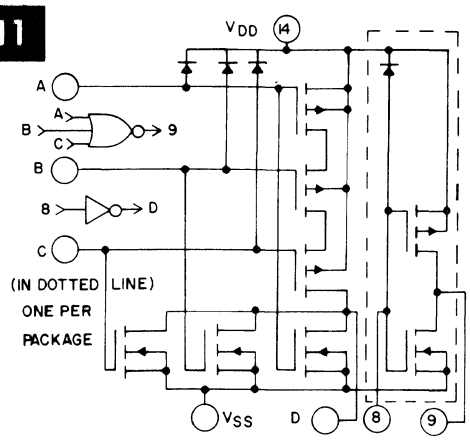


	CKT NO	A	B	C	D	E	F	G	H	J	K	M	N	P	Q	R	S
G03-209	1	11	12	13	14	1	2	3	5					6	7	8	9
G03-209A	1	11	12	13	14					5	6	7	8	1	2	3	9
G03-209B	1	1	2	3										14	13		12
	2	5	6	7										8	9		11

G03-210



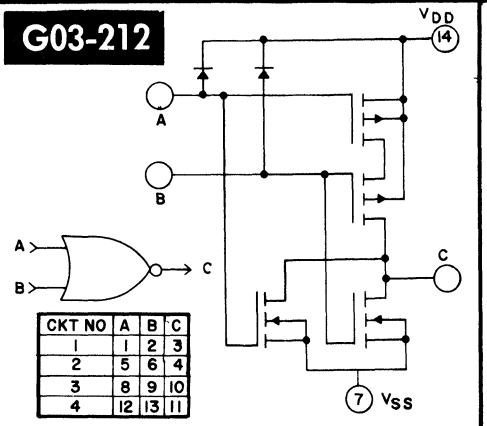
G03-211



CKT NO	A	B	C	D
1	3	4	5	6
2	11	12	13	10

G03-211a — DELETE DIODES AND CONNECTIONS

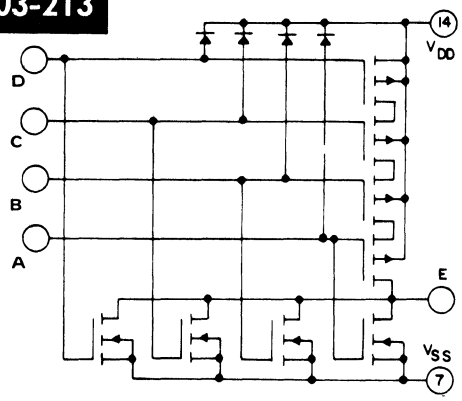
G03-212

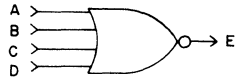


CKT NO	A	B	C
1	1	2	3
2	5	6	4
3	8	9	10
4	12	13	11

A VERSION DELETE DIODES AND CONNECTIONS

G03-213

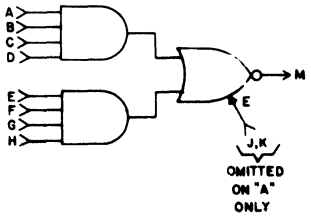




CKT NO.	A	B	C	D	E
1	2	3	4	5	1
2	9	10	11	12	13

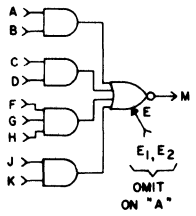
A VERSION DELETE DIODES AND CONNECTIONS

G03-214



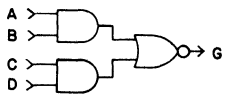
	PKG	CKT NO	A	B	C	D	E	F	G	H	J	K	M	V_{CC}	COM
G03-214 and a	FP	1	3	5	NC	NC	13	14	NC	NC	2	1	12	4	11
		2	6	7	NC	NC	8	9	NC	NC	NC	NC	10	4	11
	MP	1	1	3	NC	NC	9	10	NC	NC	12	11	8	14	7
		2	2	3	NC	NC	4	5	NC	NC	NC	NC	6	14	7
G03-214b	FP	1	1	2	3	14	5	6	7	8	9	13	12	4	11
	MP	1	1	2	3	4	13	12	11	10	9	5	8	14	7

G03-215



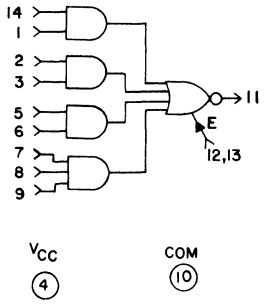
	PKG.	A	B	C	D	E_1	E_2	F	G	H	J	K	M	V_{CC}	COM
G03-215,A	FP	3	5	6	7	1	2	8	9	10	13	14	12	4	11
	MP	1	13	2	3	11	12	4	5	6	9	10	8	14	7

G03-218

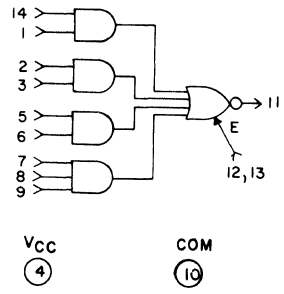


	PKG.	CKT.	A	B	C	D	E	F	G	V_{CC}	COM
G03-218	MP	1	1	13	10	9	12	11	8	14	7
		2	2	3	4	5			6		
G03-218a	FP	1	3	5	13	14	2	1	12		
		2	6	7	8	9			10	4	11
G03-218b	FP	1	14	13	2	3			12		
		2	5	6	8	9			10	4	11
	MP	1	1	2	4	5			6		
		2	9	10	12	13			8	14	7
G03-218c	FP	1	3	5	6				2		
		2	7	8	9				10	4	11
		3	1	13	14				12		
	MP	1	1	2	13				12		
		2	3	4	5				6	14	7
		3	9	10	11				8		
G03-218d	FP	1	2	3					1		
		2	5	6					7		
		3	8	9					10		
		4	13	14					12	4	11
	MP	1	1	2					3		
		2	4	5					6	14	7
		3	9	10					8		
		4	12	13					11		

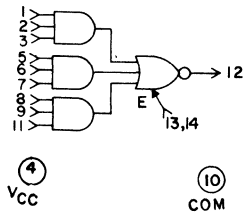
G03-221



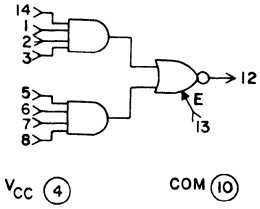
G03-222



G03-223

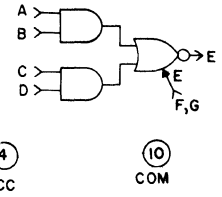


G03-224

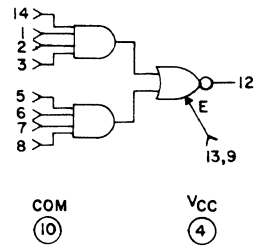


G03-225

CKT NO	A	B	C	D	E	F	G
1	14	1	2	3	13	NC	NC
2	5	6	9	11	12	7	8

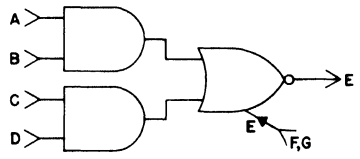


G03-226

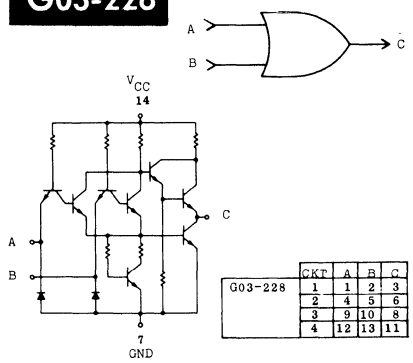


G03-227

CKT NO	A	B	C	D	E	F	G
1	14	1	2	3	13	NC	
2	5	6	9	11	12	7	8



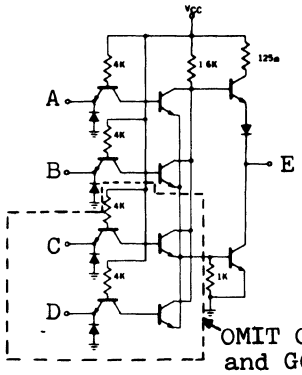
G03-228



G03-228	CKT	A	B	C
	1	1	2	3
	2	4	5	6
	3	9	10	8
	4	12	13	11

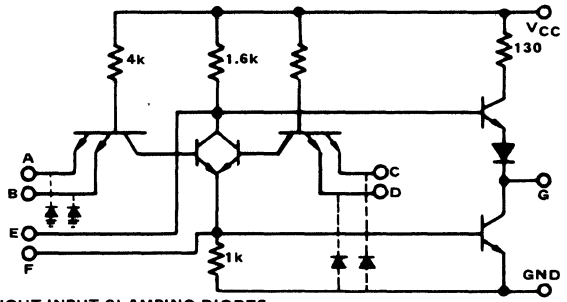
G03-233

	CKT NO.	A	B	C	D	E	V_{CC}	GND
G03-233	1	1	2			3	4	11
	2	6	7			5	4	11
	3	9	10			8	4	11
	4	12	13			14	4	11
G03-233a	1	2	3			1	14	7
	2	5	6			4	14	7
	3	8	9			10	14	7
	4	11	12			13	14	7
G03-233b	1	1	2	13		12	14	7
	2	3	4	5		6	14	7
	3	9	10	11		8	14	7
G03-233c	1	1	13	14		12	4	11
	2	3	5	6		2	4	11
	3	7	8	9		10	4	11
G03-233d	1	1	2	4	5	6	14	7
	2	9	10	12	13	8	14	7
G03-233e	1	2	3	13	14	12	4	11
	2	5	6	8	9	10	4	11



OMIT ON G03-233 and G03-233a

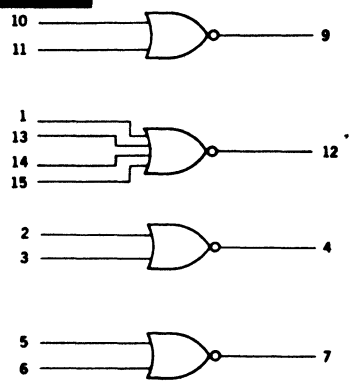
G03-236



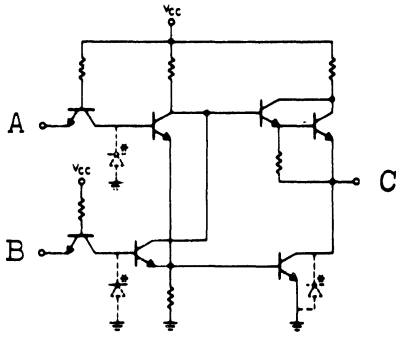
G03-236 — WITHOUT INPUT CLAMPING DIODES.

	PKG	CKT	A	B	C	D	E	F	G	VCC	GND
G03-236a	MP	1	1	13	10	9			8	14	7
		2	2	3	4	5			6		
G03-236b	MP	1	1	13	10	9	11	12	8	14	7
		2	2	3	4	5			6		

G03-237



G03-241

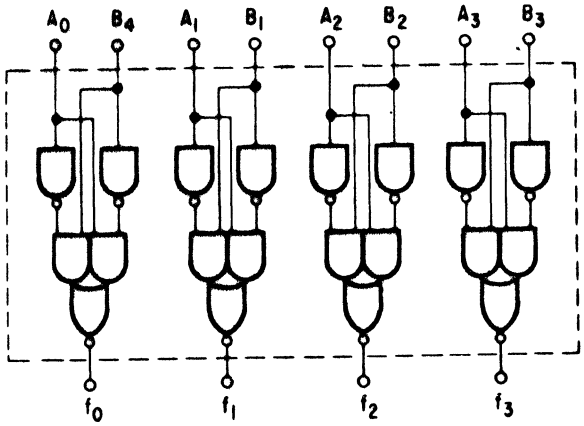


G03-241a — ISOLATION DIODES OMITTED.

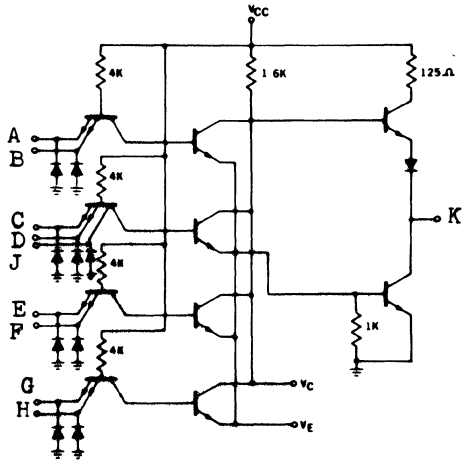
	PKG	CKT	A	B	C	VCC	GND
G03-241,a	MP	1	2	3	1	14	7
		2	5	6	4	14	7
		3	8	9	10	14	7
		4	11	12	13	14	7
	FP	1	1	2	3	4	11
		2	6	7	5	4	11
		3	12	13	14	4	11
		4	9	10	8	4	11

G03-242

	PKG	CKT	A	B	F	VCC	GND
G03-242	M	1	1	2	3	14	7
		2	6	5	4	14	7
		3	8	9	10	14	7
		4	12	12	11	14	7
	FP	1	5	6	7	4	11
		2	10	9	8	4	11
		3	12	13	14	4	11
		4	3	2	1	4	11

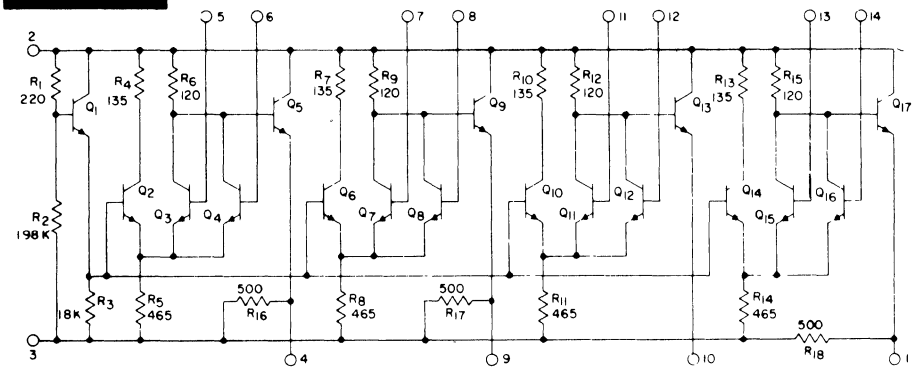


G03-243



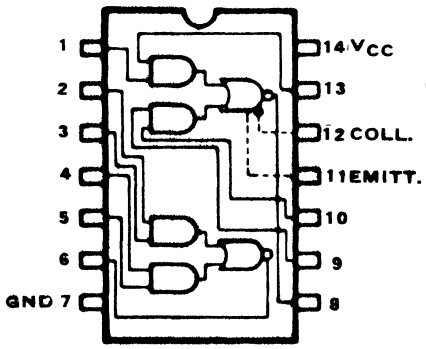
	PKG	CKT	A	B	C	D	E	F	G	H	J	K	VC	VE	VCC	GND
G03-243	FP	1	3	5	13	14						12	2	1	4	11
		2	6	7	8	9						10				
	M	1	1	13	9	10						8	12	11	14	7
		2	2	3	4	5						6				
G03-243a	FP	1	3	5	13	14						12			4	11
		2	6	7	8	9						10				
	M	1	1	13	9	10						8			14	7
		2	2	3	4	5						6				
G03-243b	FP	1	3	5	6	7	8	9	13	14		12	2	1	4	11
	M	1	1	13	9	10	2	3	4	5		8	12	11	14	7
G03-243c	FP	1	3	5	6	7	8	9	13	14		12			4	11
	M	1	1	13	9	10	2	3	4	5		8			14	7
G03-243d	FP	1	2	3	1	13					14	12			4	11
		2	8	9	5	6					7	10				
	M	1	4	5	1	2					3	6			14	7
		2	13	12	9	10					11	8				

G03-244



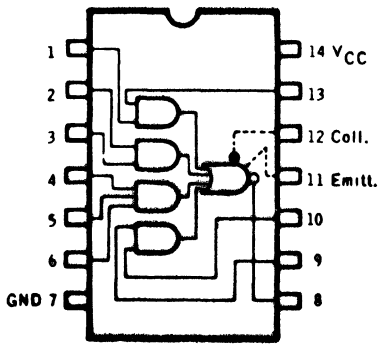
G03-248

EXPANDERS PIN No. 11 & 12 OMITTED ON G03-248a.



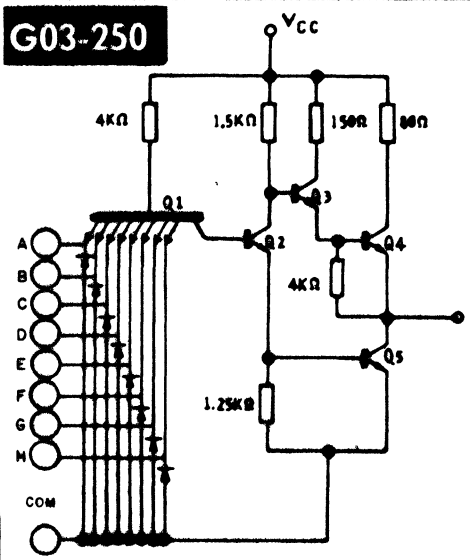
G03-249

EXPANDERS PIN NO. 11 & 12 OMITTED ON G03-249a



[redacted]

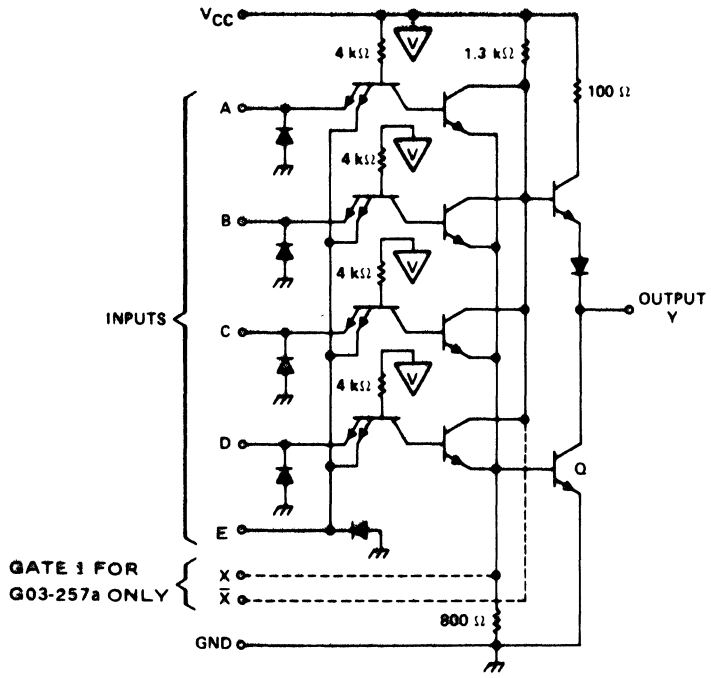
G03-250



	CKT	A	B	C	D	E	F	G	H	J	VCC	COM
G03-250	1	1	2	4	5					8	14	7
	2	9	10	12	13					11		
G03-250a	1	1	2							3	14	7
	2	4	5							6		
	3	9	10							8		
	4	12	13							11		
G03-250b	1	13	1	2						12	14	7
	2	3	4	5						6		
	3	9	10	11						8		
G03-250c	1	10	11	12	13	1	2	3	4	8	14	7
G03-250d	1	1								2	14	7
	2	3								4		
	3	5								6		
	4	9								8		
	5	11								10		
	6	13								12		
G03-250e	1	11	12	1	2	3	4	5	6	8	14	7

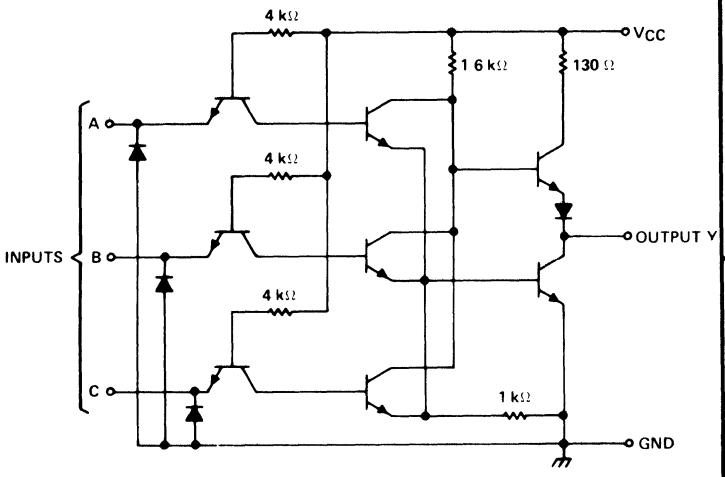
G03-257

	CKT NO	A	B	C	D	E	X	$\bar{X}$	Y	VCC	GND
G03-257	1	1	2	4	5	3			6	14	7
	2	9	10	12	13	11			8		
G03-257a	1	2	3	5	6	4	1	15	7	16	8
	2	10	11	13	14	12			9		



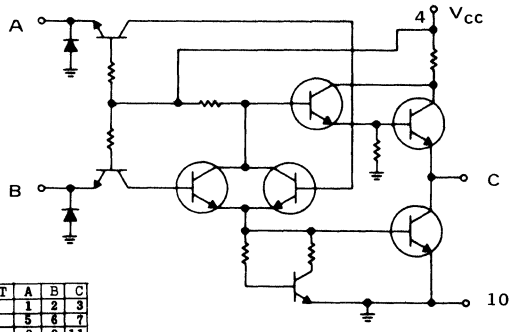
[redacted]

G03-258



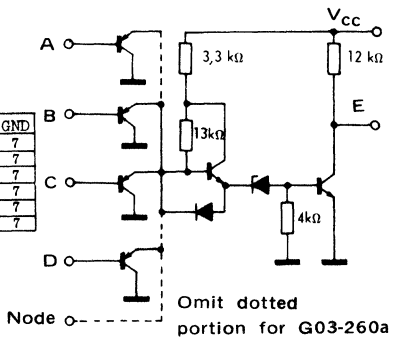
	CKT NO	A	B	C	Y	VCC	GND
G03-258	1	1	2	13	12	14	7
	2	3	4	5	6		
	3	9	10	11	8		

G03-259



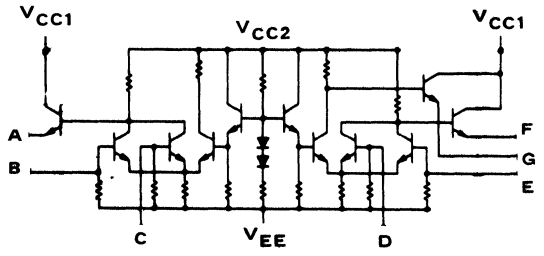
	PKG	CKT	A	B	C
G03-259	FP, N	1	1	2	3
		2	5	6	7
		3	8	9	11
		4	12	13	14

G03-260



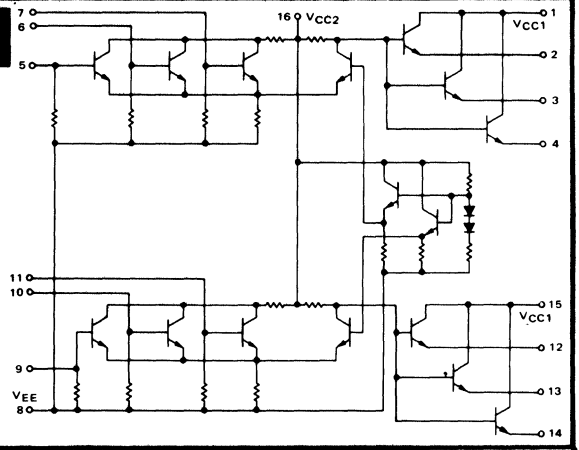
	A	B	C	D	E	NODE	VCC	GND
G03-260	1	2	4	5	6	3	14	7
	13	12	10	9	8	11	14	7
G03-260a	1	2			3		14	7
	4	5			6		14	7
	9	10			8		14	7
	12	13			11		14	7

G03-262

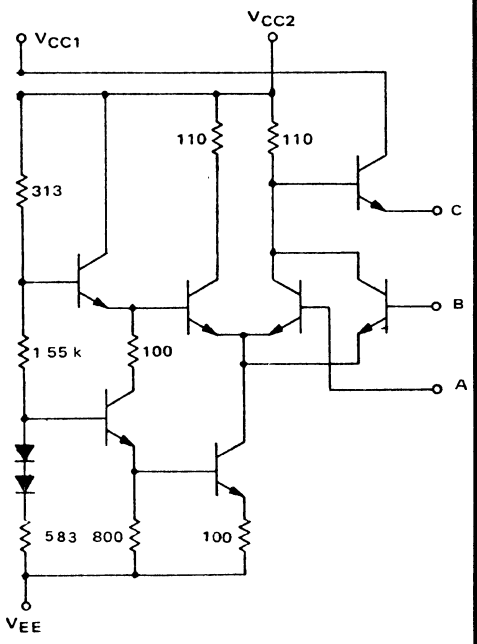


	PKG	CKT	A	B	C	D	E	F	G	VCC1	VCC2	VEE
G03-262	ALL	1	14	10	11	12	13	15	9	1	14	8
		2	3	7	6	4	5	2	NC			
G03-262a	FP	1	14	10	11	12	13	15	NC	1	14	8
		2	3	7	6	4	5	2	NC			
	DIL	1	12	8	9	10	11	13	NC	1	16	15
		2	3	7	6	4	5	2	NC			

G03-263

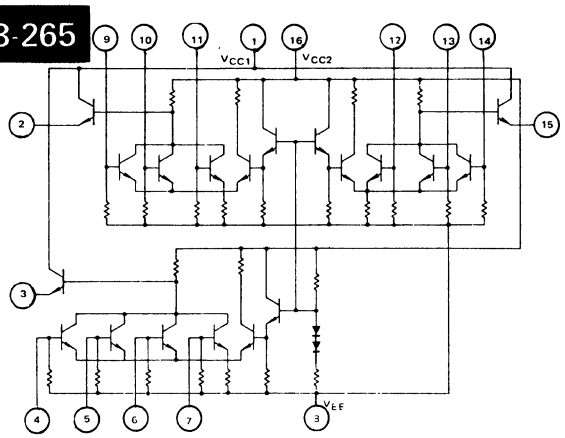


G03-264

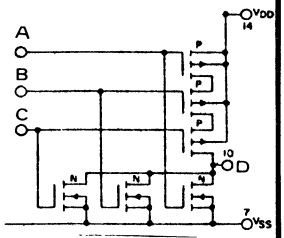


	CKT	A	B	C	VCC1	VCC2	VEE
G03-264	1	2	3	4	1	16	8
	2	5	6	7			
	3	10	11	9			
	4	13	14	12			

G03-265

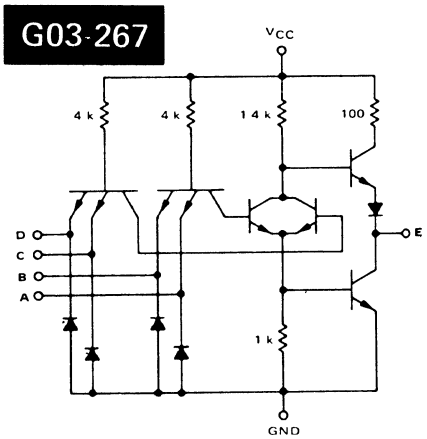


G03-266



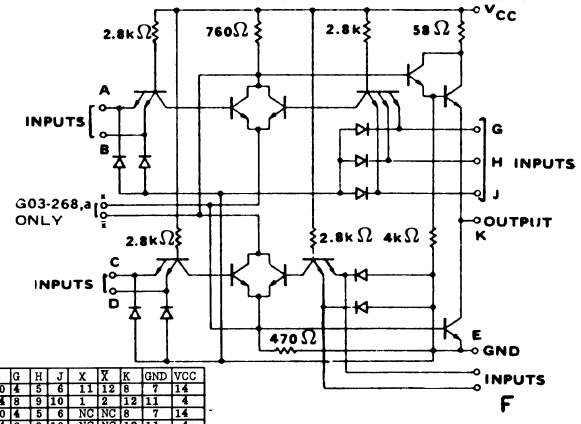
	CKT	A	B	C	D
G03-266	1	3	4	5	6
	2	1	2	8	9
	3	11	12	13	10

G03-267



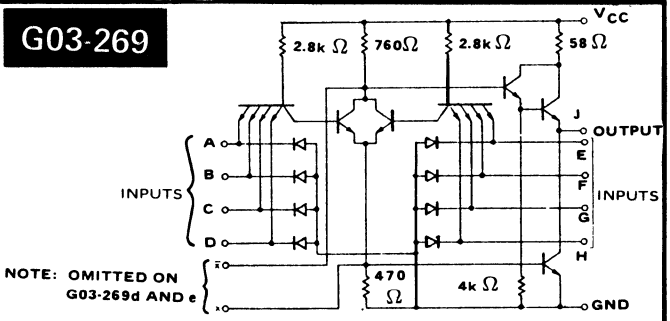
	CKT	A	B	C	D	E	VCC	GND
G03-267	1	1	NC	2	NC	3	4	11
	2	6	NC	7	NC	5		
	3	9	NC	10	NC	8		
	4	12	NC	13	NC	14		
G03-267a	1	3	5	13	14	12	4	11
	2	6	7	8	9	10		

G03-268



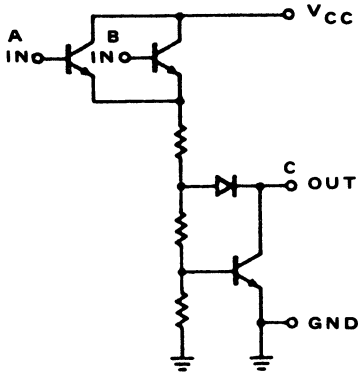
	A	B	C	D	E	F	G	H	J	X	X	K	GND	VCC
G03-268	13	1	2	3	9	10	4	5	6	11	12	8	7	14
G03-268a	3	5	6	7	13	14	8	9	10	1	2	12	11	4
G03-268b	13	1	2	3	9	10	4	5	6	NC	NC	8	7	14
G03-268c	3	5	6	7	13	14	8	9	10	NC	NC	12	11	4
G03-268d	13	1	4	5	10	9	2	3	NC	12	11	8	7	14
G03-268e	13	1	4	5	10	9	2	3	NC	NC	NC	8	7	14

G03-269



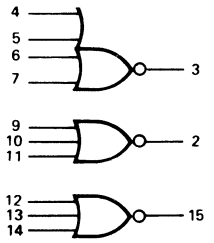
	CKT	A	B	C	D	E	F	G	H	X	X	J	GND	VCC
G03-269	1	10	11	12	13	1	2	3	4	9	5	8	7	14
G03-269a	1	14	1	2	3	5	6	7	8	13	9	12	11	4
G03-269b,d	1	9	10	NC	NC	13	1	NC	NC	12	8	11	7	14
	2	2	3	NC	NC	4	5	NC	NC	NC	NC	6		
G03-269c,e	1	3	5	NC	NC	13	14	NC	NC	2	1	12	11	4
	2	6	7	NC	NC	8	9	NC	NC	NC	NC	10		

G03-270

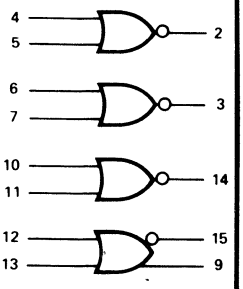


	CKT	A	B	C	VCC	GND
G03-270	1	4	5	3	8	1
	2	6	7	2		
	3	9	10	14		
	4	11	12	13		

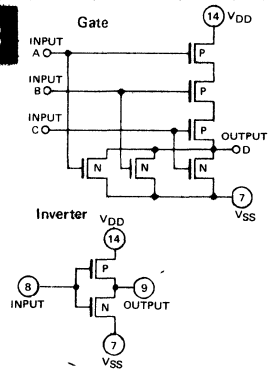
G03-271



G03-272

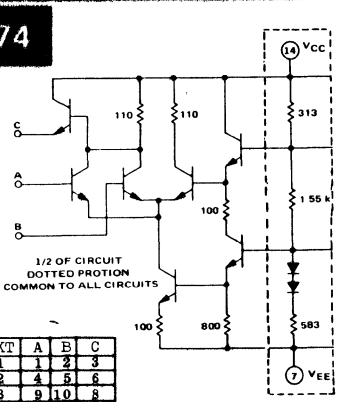


G03-273



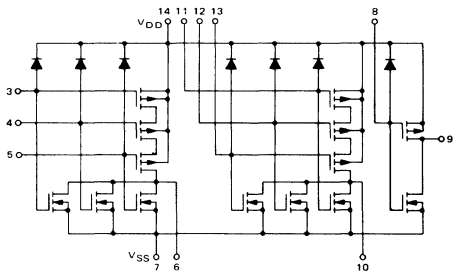
G03-273	CKT	A	B	C	D
	1	3	4	5	6
	2	11	12	13	10

G03-274

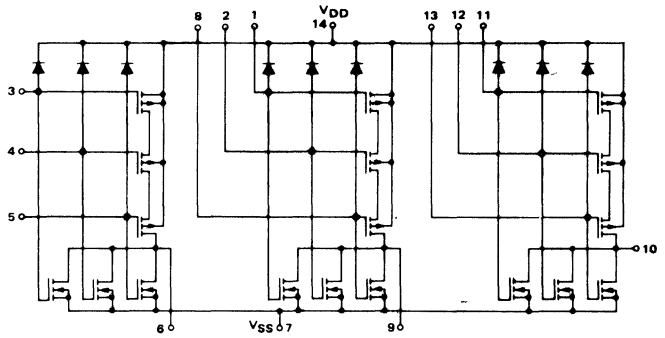


G03-274	CKT	A	B	C
	1	1	2	3
	2	4	5	6
	3	9	10	8
	4	12	13	11

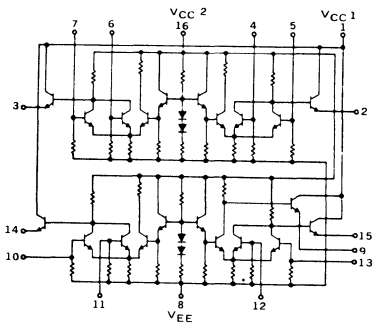
G03-275



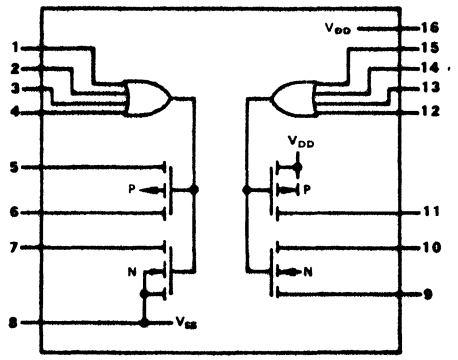
G03-276



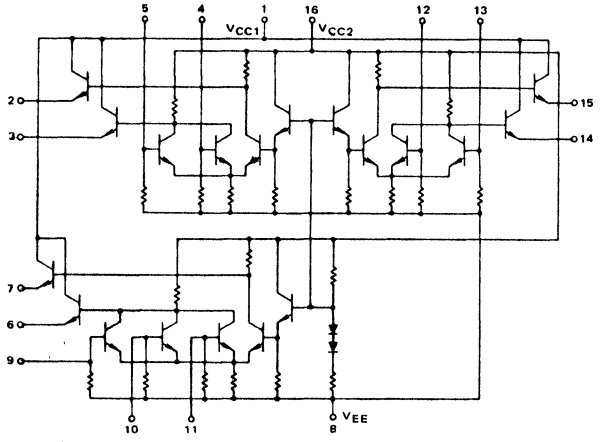
G03-277



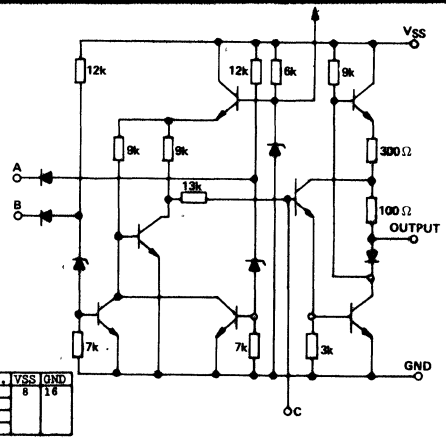
G03-278



G03-279

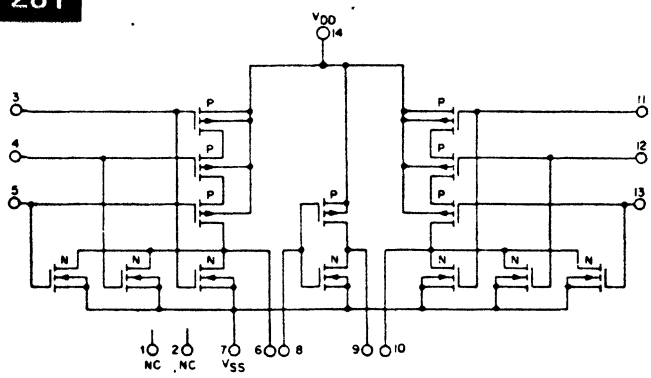


G03-280

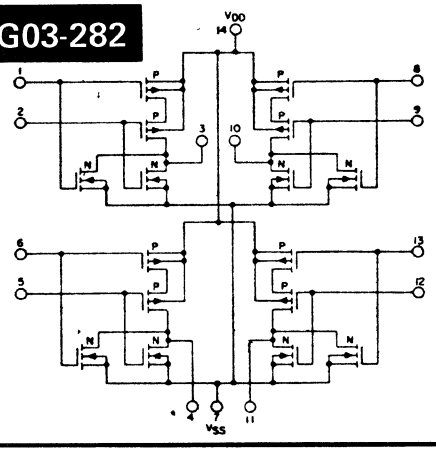


G03-280	CKT	A	B	C	OUTP.	VSS	GND
	1	2	3	4	1	8	16
	2	5	6		7		
	3	10	11		9		
	4	19	14	15	12		

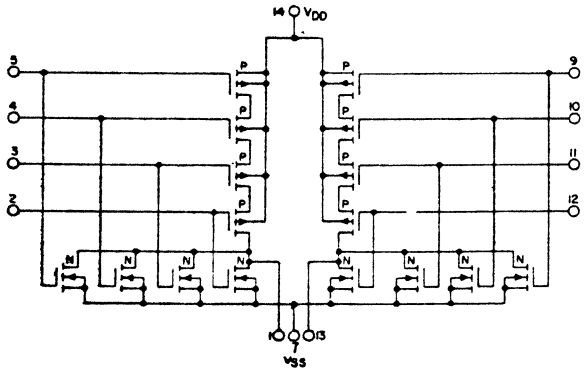
G03-281



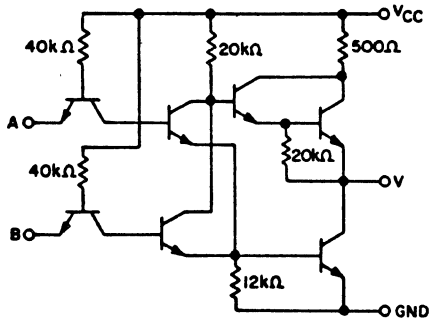
G03-282



G03-283

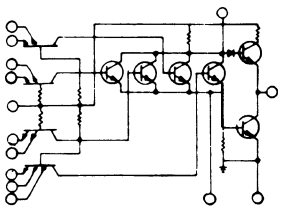


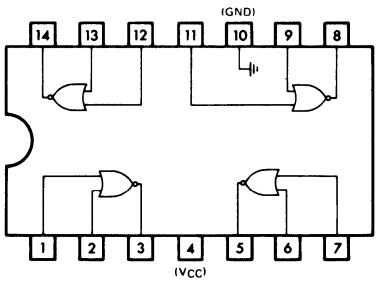
G03-284



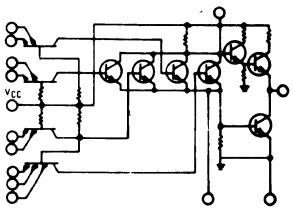
	CKT	A	B	Y	VCC	GND
G03-284	1	2	3	1	14	7
	2	5	6	4		
	3	8	9	10		
	4	11	22	13		

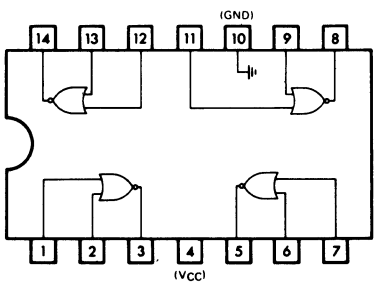
G03-285



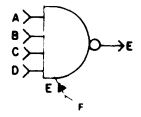


G03-286



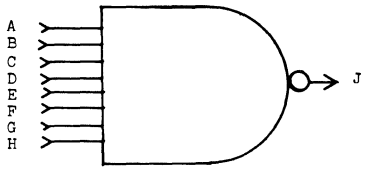


G04-1



	CKT NO	A	B	C	D	E	F
G04-1D	1	8	J	H	6	F	7
	2	5	D	C	3	E	4
	3	14	R	P	12	N	13
	4	11	L	K	9	M	10
	5	20	X	W	18	V	19
	6	17	T	S	15	U	16
G04-1E	1	1	2	4	5	6	3
	2	13	12	10	9	8	11

G04-3

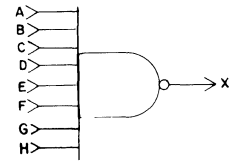


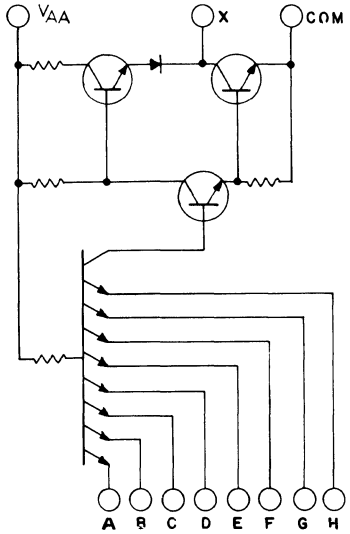
	CKT. No.	A	B	C	D	E	F	G	H	J	VCC	GND
G04-3	1	3	5	7						9		
	2	4	6	8						10		
	3	18	16	14						12		
	4	17	15	13						11		
	5	19	21	23						25		
	6	20	22	24						26		
	7	34	32	30						28		
	8	33	31	29						27		
	9	35	37	39						41		
	10	36	38	40						42		
	11	50	48	46						44		
	12	49	47	45						43		
G04-3a	1	3	A	B						5		
	2	1	2	C						4		
	3	8	F	7						11		
	4	H	6	J						9		
	5	15	12	R						17		
	6	13	14	S						16		
	7	X	V	W						22		
	8	18	19	20						21		
G04-3b	1	1	2	13						12	14	7
	2	3	4	5						6	14	7
	3	9	10	11						8	14	7
G04-3c	1	44	46	45						40	14	7
	2	49	48	47						50	14	7
	3	39	42	41						43	14	7
	4	32	34	33						28	14	7
	5	37	36	35	38					38	14	7
	6	27	30	29	31					31	14	7
	7	20	22	21	16					16	51	1,52
	8	25	24	23						26	51	1,52
	9	15	18	17						19	51	1,52
	10	8	10	9						4	51	1,52
	11	13	12	11						14	51	1,52
	12	3	6	5						7	51	1,52
G04-3e	1	3	4	5	6	7	8	10		9		
	2	11	13	14	15	16	17	18		12		
	3	19	20	21	22	23	24	26		25		
	4	27	29	30	31	32	33	34		28		
	5	35	36	37	38	39	40	42		41		
	6	43	45	46	47	48	49	50		44		
G04-3f	1	4	5							6		
	2	A	B							1		
	3	C	D							2		
	4	E	F							3		
	5	13	14							15		
	6	H	J							10		
	7	7	8							9		
	8	S	T							U		
	9	Y	Z							19		
	10	16	17							V		
	11	W	18							X		
	12	20	21							22		
G04-3g	1	1	2							3		
	2	4	5							6		
	3	13	12							11		
	4	10	9							8		
G04-3k	1	1	3							2		
	2	4	6							5		
	3	8	10							9		
	4	11	13							12		
G04-3m	1	44	46							49	51	1,52
	2	48	47							50	51	1,52
	3	39	42	43						43	51	1,52
	4	40	45							41	51	1,52
	5	32	34							37	51	1,52
	6	36	35							38	51	1,52
	7	27	30							31	51	1,52
	8	28	33							29	51	1,52
	9	20	22							25	51	1,52
	10	24	23							26	51	1,52
	11	15	18							19	51	1,52
	12	16	21							17	51	1,52
	13	8	10							13	51	1,52
	14	12	11							14	51	1,52
	15	3	6							7	51	1,52
	16	4	9							5	51	1,52

	CKT. No.	A	B	C	D	E	F	G	H	J	VCC	GND
G04-3n	1	48	47			*				49	51	1,52
	2	44	45							42	51	1,52
	3	40	39							41	51	1,52
	4	38	35							36	51	1,52
	5	32	31							33	51	1,52
	6	28	29							26	51	1,52
	7	24	23							25	51	1,52
	8	22	19							20	51	1,52
	9	16	15							17	51	1,52
	10	12	13							10	51	1,52
	11	8	7							9	51	1,52
	12	6	3							4	51	1,52
G04-3p	1	24	23	21	25					26		
	2	22	19	17	15					20		
	3	16	11	9	13					18		
	4	14	7	5	3					12		
	5	32	31	29	27					28		
	6	6	4	2	1					10		
G04-3q	1	1	2	4	5					6		
	2	9	10	12	13					8		
G04-3r	1	4	A	B	C					E		
	2	1	2	3	D					5		
	3	11	F	H	J					9		
	4	6	7	8	10					K		
	5	16	12	R	S					U		
	6	13	14	15	T					17		
	7	21	18	V	W							
	8	X	19	20	Y					22		
G04-3s	1	1	2	4	5					6	14	7
	2	9	10	12	13					8	14	7
G04-3t	1	1	2	3	4					6	14	7
	2	10	11	12	13					8	14	7
G04-3u	1	44	46	48	47					50	51	1,52
	2	39	42	40	45					43	51	1,52
	3	32	34	36	35					38	51	1,52
	4	27	30	28	33					31	51	1,52
	5	20	22	24	23					26	51	1,52
	6	15	18	16	21					19	51	1,52
	7	8	10	12	11					14	51	1,52
	8	3	6	4	9					7	51	1,52
G04-3v	1	1	2	3	4	7	8	9	10	12	4	11
G04-3w	1	1	2	3	5	6	7	9	13	12	4	10
G04-3x	1	13	1	2	3					12	4	10
	2	5	6	7	9					11	4	10
G04-3y	1	1	2	3						14	4	10
	2	6	7	8						5	4	10
	3	11	12	13						9	4	10
G04-3z	1	1	2							3	4	10
	2	5	6							7	4	10
	3	8	9							11	4	10
	4	12	13							14	4	10
G04-3aa	1	42	41	40	45	44	46	49	48	43	51	1,52
	2	30	29	28	33	32	34	37	36	31	51	1,52
	3	18	17	16	21	20	22	25	24	19	51	1,52
	4	6	5	4	9	8	10	13	12	7	51	1,52
G04-3ab	1	2	3							14		
	2	13	12							4		
	3	11	10							5		
	4	6	7							8		
G04-3ac	1	29	28							27		
	2	25	26							23		
	3	31	30							22		
	4	21	19							20		
	5	13	12							11		
	6	9	10							7		
	7	16	15							14		
	8	6	4							5		
G04-3ad	1	1	2							3		
	2	4	5							6		
	3	9	10							8		
	4	12	13							11		
G04-3ae	1	1	2	3	4	5	6	11	12	8		
G04-3af	1	5	A	B	C	3	2	1	E	4		
	2	11	8	H	J	K	6	7	9	10		
	3	18	15	R	S	12	13	14	17	16		
	4	Z	U	V	W	X	19	20	22	21		

	CKT. No.	A	B	C	D	E	F	G	H	J	VCC	GND
G04-3ag	1	8	J	3						C		
	2	7	H	6						F		
	3	5	D	4						E		
	4	14	R	9						K		
	5	13	P	12						N		
	6	11	L	10						M		
	7	20	X	15						S		
	8	19	W	18						V		
	9	17	T	16						U		
G04-3ah	1	15	20	X						S		
	2	19	W	18						V		
	3	17	T	16						U		
	4	14	R							13		
	5	P	12							N		
	6	11	L							M		
	7	K	9							10		
	8	3	8	J						C		
	9	7	H	6						F		
	10	5	D	4						E		
G04-3aj	1	2	X							19		
	2	W	18							V		
	3	17	T							U		
	4	S	15							16		
	5	14	R							13		
	6	P	12							N		
	7	11	L							M		
	8	K	9							10		
	9	8	J							7		
	10	H	6							F		
	11	5	D							E		
	12	C	3							4		
G04-3am	1	18	20	22						16		
	2	24	6	4						2		
	3	10	12	14						8		
	4	9	3	1						11		
	5	5	7	21						23		
	6	17	15	13						19		
	7	31	29	27						25		
	8	28	30	32						26		
G04-3ap	1	9	10	12	13	19	18	17		11		
	2	4	5	6	7	16	15	14		8		
	3	28	29	26	25	34	32	31		24		
	4	20	21	22	29	35	33	30		23		
G04-3aq	1	29	30	31	33	34				37		
	2	44	43	42	41	40				38		
	3	45	50	46	47					39		
	4	28	27	26	25					36		
	5	14	13	12	11					8		
	6	24	23	22						35		
	7	15	18	19						10		
	8	3	4	5						9		
	9	6	2	1						7		
	10	21	20							17		
G04-3ar	1	2	4							5	14	7
	2	10	11							6	14	7
G04-3as	1	2								3	14	7
	2	4	5							6	14	7
	3	9	10							8	14	7
	4	12	13							11	14	7
G04-3aw	1	2	3	4	5					1	14	7
	2	9	10	11	12					13	14	7
G04-3ax	1	1	2							3	14	7
	2	5	6							4	14	7
	3	8	9							10	14	7
	4	12	13							11	14	7
G04-3ay	1	1	2	3	4	5	6	11	12	8	14	7
G04-3az	1	1	2	3						1	14	7
	2	5	6							4	14	7
	3	12	11							13	14	7
	4	9	8							10	14	7
G04-3ba	1	1	2	3	4	10	11	12	13	8	14	7

G04-14





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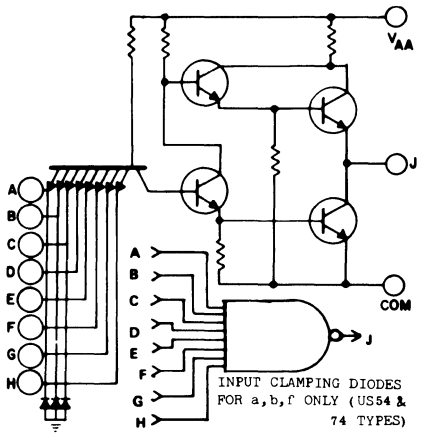
		2	6	7			NC				5	4	11
		3	9	10							8		
		4	12	13							14		
	MP	1	1	2							3		
		2	4	5			NC				6	14	7
		3	9	10							8		
		4	12	13							11		
G0414a	FP	1	1	2	14						3		
		2	6	7	8		NC				5	4	11
		3	9	10	12						13		
	MP	1	1	2	13						12		
		2	3	4	5		NC				6	14	7
		3	9	10	11						8		
G0414b	FP	1	6	7	8	9					10		
		2	1	12	13	14	NC				2	4	7
	MP	1	1	2	4	5					6		
		2	9	10	12	13	NC				8	14	7
G0414c	FP	1	2	3	5	6	7	8	9	10	12	4	11
	MP	1	1	2	3	4	5	6	11	12	8	14	7
G0414d		1	1	2	4	5					6		
		2	9	10	12	13	NC				8	14	7
G0414e		1	1	2							3		
		2	4	5			NC				6	14	7
		3	9	10							8		
		4	12	13							11		
G0414f		1	1	2	13						12		
		2	3	4	5		NC				6	14	7
		3	9	10	11						8		
G0414g	FP	1	1								14		
		2	3				NC				2	4	11
		3	5								6		
		4	7								8		
		5	9								10		
		6	13								12		
	MP	1	1								2		
		2	3				NC				4	14	7
		3	5								6		
		4	9								8		
		5	11								10		
		6	13								12		
G0414h		1	1	2	3	4	5	6	11	12	8	14	7

G04-15



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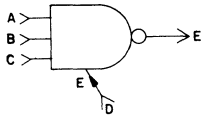
G04-15	FP	1	12	13	14	1					2	4	11
		2	6	7	8	9					10		
	MP	1	2	13	14	15					3	5	12
		2	7	8	9	10					11		
G04-15a	FP	1	1	2							3	4	11
		2	6	7							5		
		3	9	10							8		
		4	12	13							14		
	MP	1	1	2							3	14	7
		2	4	5							6		
		3	9	10							8		
		4	12	13							11		
G04-15b	FP	1	12	13	14	1					2	4	11
		2	6	7	8	9					10		
	MP	1	9	10	12	13					8	14	7
		2	1	2	4	5					6		
G04-15c	FP	1	1	13	14						12	4	11
		2	3	5	6						2		
		3	7	8	9						10		
	MP	1	1	2	13						12	14	7
		2	3	4	5						6		
		3	9	10	11						8		
G04-15d	FP	1	2	3	13	14					12	4	11
		2	5	6	8	9					10		
	MP	1	2	3	4	5					6	14	7
		2	9	10	11	12					13		
G04-15e	FP	1	2	3							1	4	11
		2	5	6							7		
		3	10	9							8		
		4	14	13							12		
G04-15f	FP	1	1	2	14						3	4	11
		2	6	7	8						5		
		3	9	10	12						13		
	MP	1	1	2	13						12	14	7
		2	3	4	5						6		
		3	9	10	11						8		
G04-15g	FP	1	1	2	3	4	5	6	11	12	8	14	7
G04-15h	FP	1	2	3	13	14					12	4	11
		2	5	6	8	9					10		
	MP	1	1	2	4	5					6	14	7
		2	9	10	12	13					8		
G04-15j	FP	1	1	2	3						1	4	11
		2	5	6							7		
		3	8	9							10		
		4	13	14							12		
	MP	1	1	2							3	14	7
		2	4	5							6		
		3	9	10							8		
		4	12	13							11		
G04-15k	FP	1	1	12	13	14					2	4	11
		2	6	7	8	9					10		
	MP	1	2	3	4	5					6	14	7
		2	9	10	11	12					13		
G04-15m	FP, MP	1	9	10	12	13					8	14	7
		2	1	2	4	5					6		
G04-15n	MP	1	2	3							1	4	11
		2	5	6							7		
		3	9	10							8		
		4	12	13							14		
G04-15p	MP	1	12	11	1	2	3	4	5	6	8	14	7
G04-15q	MP	1	NC	NC	NC	1	2	4	5		6	14	7
		2	NC	NC	NC	9	10	12	13		8		
G04-15r	FP	1	1	12	13	14					2	4	11
		2	6	7	8	9					10		
	MP	1	1	2	4	5					6	14	7
		2	9	10	12	13					8		

G04-17



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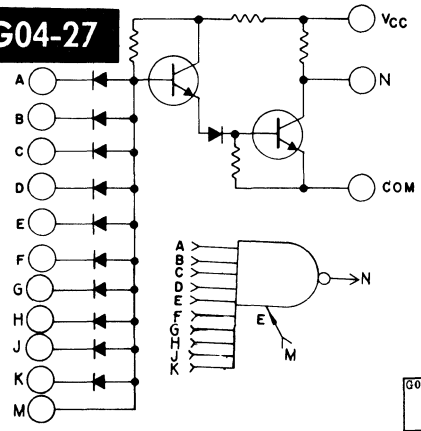
G04-17	1	27	28	29	30	31		
	2	24	23	22	21	25		
	3	19	18	17	16	20		
	4	14	13	12	11	15		
	5	9	8	7	6	10		
	6	4	3	2	1	5		
G04-17a	1	1	2	3		5	14	7
	2	11	12	13		9	14	7
G04-17b	1	1	2	3		5	4	10
	2	6	7	8		9	4	10
	3	11	12	13		14	4	10

G04-27



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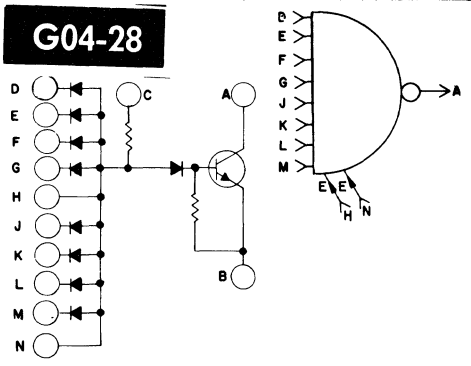
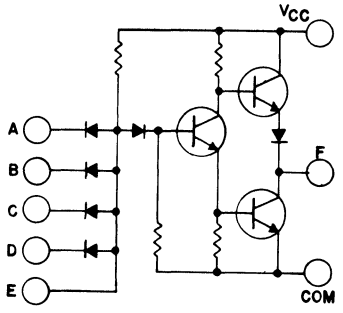
	2	4	5										6	14	7
	3	10	9										8	14	7
	4	13	12										11	14	7
G04-27a	1	1	2	4	5		3	6						14	7
	2	9	10	12	13		11	8						14	7
G04-27b	1	6	7	8	9							5	10	4	11
	2	1	2	13	14							3	12	4	11
G04-27c	1	3	5	6									2	4	11
	2	7	8	9									10	4	11
	3	1	13	14									12	4	11
G04-27d	1	2	3										1	4	11
	2	5	6										7	4	11
	3	8	9										12	4	11
	4	13	14										12	4	11
G04-27e	1	3	5									6	2	4	11
	2	8	9									7	10	4	11
	3	13	14									1	12	4	11
G04-27f	1	5	6	7	8	9							10	4	11
	2	1	2	3	13	14							12	4	11
G04-27g	1	13	1	2									12	14	7
	2	3	4	5									6	14	7
	3	9	10	11									8	14	7
G04-27j	1	1										2	3	14	7
	2	4										5	6	14	7
	3	10										9	8	14	7
	4	13										12	11	14	7
G04-27k	1	1	2	3	4	5							6	14	7
	2	9	10	11	12	13							8	14	7
G04-27m	1	2	4	5	9	10	12	13				11	8	14	7
G04-27n	1	1	2	3	4	5	9	10	11	12	13		8	14	7
G04-27p	1	1	2	3									4	10	5
	2	9	8									7	6	10	5
G04-27q	1	1	2	13									12	14	7
	2	3	4	5									6	14	7
	3	9	10	11									8	14	7
G04-27r	1	1	2	4	5							3	6	14	7
	2	9	10	12	13							11	8		

G04-28



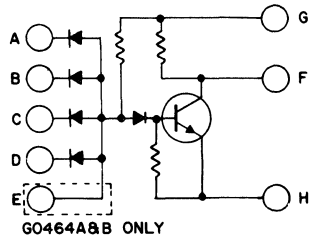
	PKG.	CKT NO	A	B	C	D	E	F	G	H	J	K	L	M	N
G04-28	CN	1	5	10	4	1	2	3	NC	NC	NC	NC	NC	NC	NC
		2	11	10	4	6	7	8	NC	NC	NC	NC	NC	NC	NC
	FP1	1	1	14	7	10	11	12	NC	NC	NC	NC	NC	NC	NC
		2	8	14	7	9	4	5	NC	NC	NC	NC	NC	NC	NC
	FP2	1	6	10	5	2	3	4	NC	NC	NC	NC	NC	NC	NC
		2	1	10	5	7	8	9	NC	NC	NC	NC	NC	NC	NC
G04-28A	CN	1	5	10	4	1	2	3	12	NC	NC	NC	NC	NC	NC
		2	11	10	4	6	7	8	9	NC	NC	NC	NC	NC	NC
	FP	1	1	14	7	9	10	11	12	NC	NC	NC	NC	NC	NC
		2	8	14	7	2	3	4	5	NC	NC	NC	NC	NC	NC
G04-28B	CN	1	5	10	4	12	1	2	3	NC	NC	NC	NC	NC	NC
		2	11	10	4	6	7	8	9	NC	NC	NC	NC	NC	NC
	FP	1	1	14	7	10	11	12	13	NC	NC	NC	NC	NC	NC
		2	8	14	7	3	4	5	6	NC	NC	NC	NC	NC	NC
G04-28C	FP	1	1	14	7	9	10	11	12	13	NC	NC	NC	NC	NC
		2	8	14	7	2	3	4	5	6	NC	NC	NC	NC	NC
G04-28D	CN	1	5	10	4	12	1	2	NC	3	NC	NC	NC	NC	NC
		2	11	10	4	6	7	8	NC	9	NC	NC	NC	NC	NC
	FP	1	1	14	7	10	11	12	NC	13	NC	NC	NC	NC	NC
		2	8	14	7	3	4	5	NC	6	NC	NC	NC	NC	NC
G04-28E	CN	1	6	5	7	1	2	3	8	4	NC	NC	NC	NC	NC
	FP1	1	1	14	7	9	10	11	12	13	NC	NC	NC	NC	NC
	FP2	1	7	6	8	1	2	3	4	5	NC	NC	NC	NC	NC
G04-28F	CN	1	11	10	4	1	2	6	7	9	8	12	NC	NC	NC
G04-28G	CN	1	11	10	4	1	2	3	5	9	6	7	8	12	NC
G04-28H	FP	1	1	14	7	2	3	4	5	6	9	10	11	12	13
G04-28J		1	2	14	7	12	13	1	NC	NC	NC	NC	NC	NC	NC
		2	11	14	7	3	4	5	NC	NC	NC	NC	NC	NC	NC
		3	6	14	7	8	9	10	NC	NC	NC	NC	NC	NC	NC
G04-28K		1	2	14	7	12	13	NC	NC	NC	NC	NC	NC	NC	NC
		2	11	14	7	3	4	5	NC	NC	NC	NC	NC	NC	NC
		3	6	14	7	8	9	10	NC	NC	NC	NC	NC	NC	NC
G04-28M	CN	1	11	10	4	1	2	6	7	9	8	12	NC	NC	NC
	FP1	2	1	14	7	3	4	5	10	6	11	12	NC	NC	NC
	FP2	3	1	10	5	2	3	4	6	9	7	8	NC	NC	NC
G04-28N	FP	1	1	14	7	13	12	NC	NC	NC	NC	NC	NC	NC	NC
		2	8	14	7	5	6	NC	NC	NC	NC	NC	NC	NC	NC
		3	11	14	7	2	3	NC	NC	NC	NC	NC	NC	NC	NC
		4	4	14	7	9	10	NC	NC	NC	NC	NC	NC	NC	NC
G04-28P	FP	1	11	10	4	8	9	NC	NC	NC	NC	NC	NC	NC	NC
	CN	2	5	10	4	2	3	NC	NC	NC	NC	NC	NC	NC	NC
		3	1	10	4	6	NC	NC	NC	NC	NC	NC	NC	NC	NC
		4	7	10	4	12	NC	NC	NC	NC	NC	NC	NC	NC	NC
G04-28RS	PP	1	3	10	4	5	6	NC	NC	7	NC	NC	NC	NC	NC
	CN	2	8	10	4	1	2	NC	NC	NC	NC	NC	NC	NC	NC
		3	12	10	4	9	11	NC	NC	NC	NC	NC	NC	NC	NC
G04-28ST	FP	1	12	14	7	2	NC	NC	NC	NC	NC	NC	NC	NC	NC
		2	10	14	7	4	NC	NC	NC	NC	NC	NC	NC	NC	NC
		3	8	14	7	6	NC	NC	NC	NC	NC	NC	NC	NC	NC
		4	5	14	7	9	NC	NC	NC	NC	NC	NC	NC	NC	NC
		5	3	14	7	11	NC	NC	NC	NC	NC	NC	NC	NC	NC
		6	1	14	7	13	NC	NC	NC	NC	NC	NC	NC	NC	NC

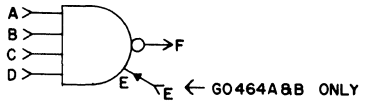
G04-37



	PKG	CKT NO	A	B	C	D	E	F	V_{CC}	COM
G04-37	CN	1	1	2	12			11	4	10
		2	6	7	8			9		
	FP1	1	4	5	6			3	7	14
		2	9	10	11			12		
	FP2	1	3	4	5			1	6	1
		2	7	8	9			10		
G04-37a	MP	1	2	3	4	5	6	1	7	14
		2	12	11	10	9	8	13		
G04-37b	CN	1	1	2	12		3	11	4	10
		2	6	7	8		5	9	4	10
	FP	1	3	4	5		6	1	7	14
		2	9	10	11		8	13	7	14

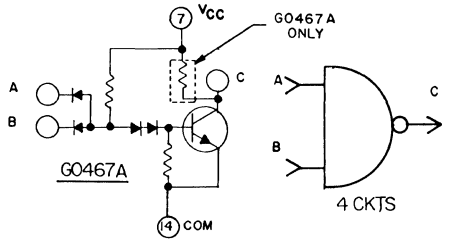
G04-64





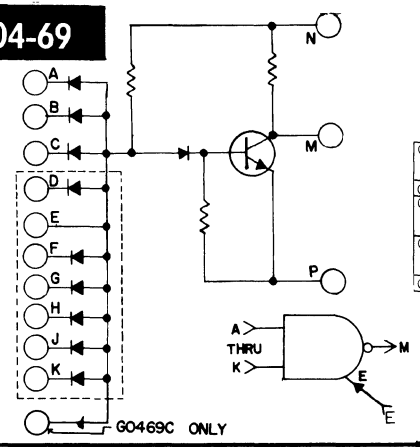
	CKT NO	A	B	C	D	E	F	G	H
G0464b	1	12	13	NC	NC	1	2		
	2	3	4	5	NC	NC	11	7	14
	3	8	9	10	NC	NC	6		
G0464c	1	9	10	11	12	NC	1		
	2	2	3	4	5	NC	8	7	14
G0464d	1	9	10	11	12	13	1		
	2	2	3	4	5	6	8	7	14
G0464e	1	13	12				1		
	2	5	6				8	7	14
	3	2	3				11		
	4	9	10				4		
G0464f	1	8	9	NC			11		
	2	2	3				5	4	10
	3	12					7		
	4	6					1		
G0464g	1	12	13	1			2		
	2	3	4	5	NC		11	7	14
	3	8	9	10			6		
G0464h	1	6	7	8	9		5		
	2	12	1	2	3		11	4	10

G04-67



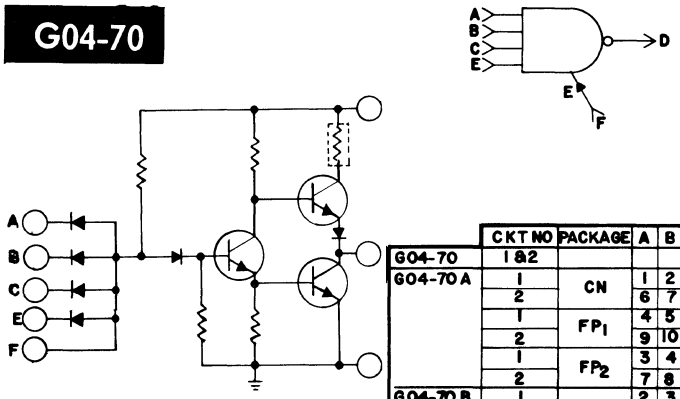
CKT NO	A	B	C
1	13	12	1
2	5	6	8
3	2	3	11
4	9	10	4

G04-69



	CKT	A	B	C	D	E	F	G	H	J	K	M	N	P	R
G0469b	1	12	13	1								2	7	14	
	2	3	4	5	NC							11	7	14	NC
	3	8	9	10								6	7	14	
G0469c	1	2	3	4	5	6	9	10	11	12	NC	1	7	14	13
G0469d	1	5	6			7						3	4	10	
	2	1	2			NC						8	4	10	NC
	3	9	11									12	4	10	
G0469e	1	5	6	7								3	4	10	
	2	1	2									8	4	10	
	3	9	11									12	4	10	
G0469f	1	12	1	2	3	5	6	7	8			11	4	10	9

G04-70

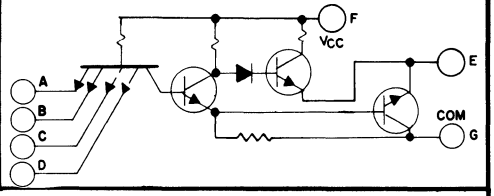


DOTTED IN SECTION IN G04-70B ONLY

	CKT NO	PACKAGE	A	B	C	D	E	F	V_{AA}	COM
G04-70	1&2									
G04-70A	1	CN	1	2	12	11			4	10
	2		6	7	8	9			4	10
	1	FP_1	4	5	6	3			7	14
	2		9	10	11	12			7	14
	1	FP_2	3	4	5	2			6	1
	2		7	8	9	10			6	1
G04-70B	1	MP	2	3	4	1	5	6	7	14
	2		12	11	10	13	9	8	7	14

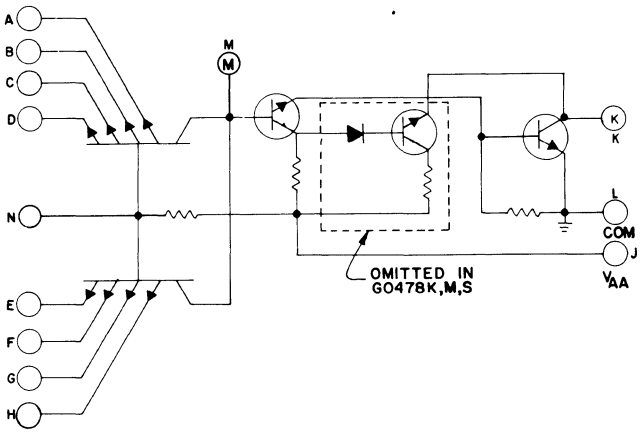
G04-71

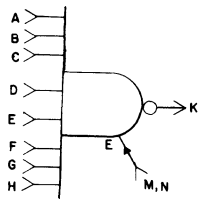
	CKT NO	A	B	C	D	E	F	G
G0471	1	1	2	3	13	12	4	10
	2	5	6	7	9	11		
G0471A	1	9	10	12	13	8	14	7
	2	1	2	4	5	6		
G0471B	1	1	2	3		12		
	2	11	10	9	NC	8	14	7
	3	3	4	5		6		
G0471C	1	12	13			11		
	2	9	10		NC	8	14	7
	3	4	5			6		
	4	1	2			3		



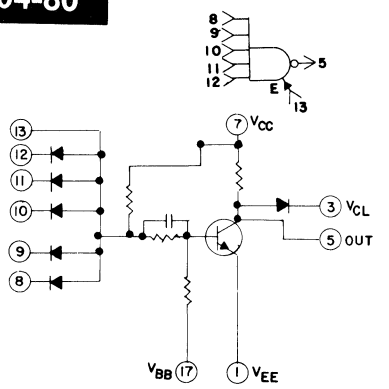
G04-78

	OUT LINE	CKT NO	A	B	C	D	E	F	G	H	K	M	N	V_{AA}	COM
G0478	CN	1	1	2	3	4	8	9	10	11	7	NC		12	6
	FP, MP	1	13	1	2	3	5	6	7	9	12			4	10
G0478A	FP, MP	1	1	2	3	14	5	6	7	8	12	13	9	4	10
G0478B	CN	1	1	2	3	4	NC				5	NC		12	6
		2	8	9	10	11					7				
	FP, MP	1	13	1	2	3	NC				12	NC		4	10
		2	5	6	7	9					11				
G0478C	FP, MP	1	1	2	3	NC					14	NC		4	10
		2	6	7	8						5				
		3	11	12	13						9				
G0478D	FP, MP	1	1	2	NC						3	NC		4	10
		2	5	6							7				
		3	8	9							11				
		4	13	12							14				
G0478E	CN	1	2	3	4	5	NC				7	NC		12	6
	FP	1	2	3	5	6	NC				11	NC		4	10
G0478F	CN	1	2	3	NC						5	NC		12	6
		2	9	10							7				
	FP, MP	1	1	2	NC						12	NC		4	10
		2	5	6							11				
G0478G	CN	1	1	2	7	NC					5	6	3	8	4
G0478H	CN	1	1	2	6	7	NC				5	NC		8	4
G0478J	CN	1	1	2	NC						3	NC		8	4
		2	8	3							5				
G0478K	CN	1	2	3	4	5	NC				7	NC		12	6
	FP	1	2	3	5	6	NC				11	NC		4	10
G0478M	CN	1	2	3	NC						5	NC		12	6
		2	9	10							7				
	FP, MP	1	1	2	NC						12	NC		4	10
		2	5	6							11				
G0478N	CN	1	1	2	6	7	NC				5	NC		8	4
G0478P	CN	1	1	2	6	7	NC				5	NC		8	4
G0478Q	FP, MP	1	1	2	3	NC					5	NC		4	10
		2	6	7	8						9				
		3	11	12	13						14				
G0478R	FP, MP	1	1	2	3	4	NC				5	NC		6	17
		2	8	9	10	11					7				
		3	13	14	15	16					12				
		4	18	19	20	21					22				
G0478S	FP, MP	1	13	1	2	3	NC				12	NC		4	10
		2	5	6	7	9					11				

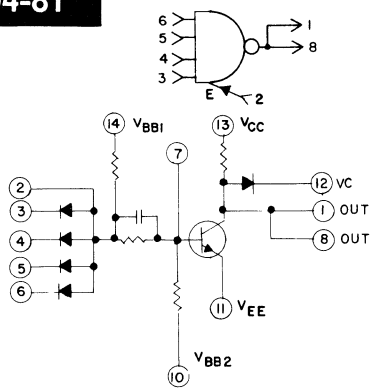




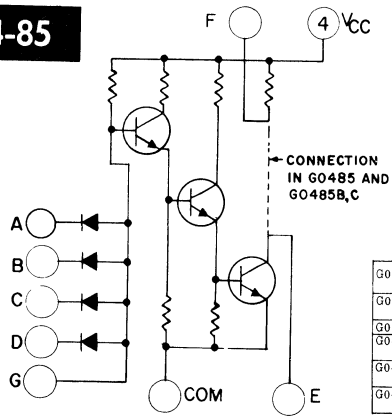
G04-80

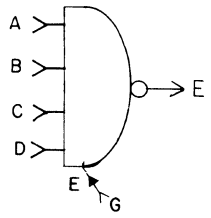


G04-81



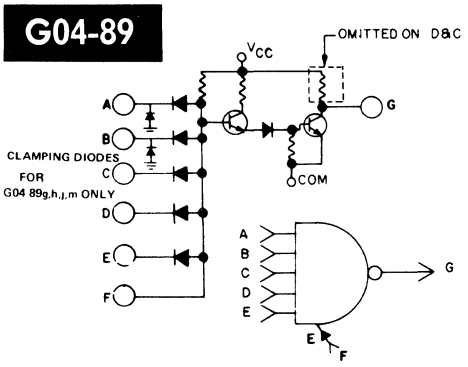
G04-85





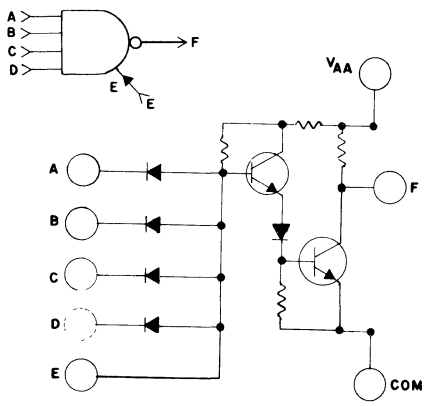
	CKT	A	B	C	D	E	F	G	V_{CC}	COM
G04-85	1	6	7	8	9	10			4	11
	2	1	2	13	14	12				
G04-85a	1	6	7	8		10	9	5	4	11
	2	1	2	14		12	13	3		
G04-85b	1	3	4	5	6	2		7	10	1
G04-85c	1	3	4	5		2			6	1
	2	7	8	9		10				
G04-85d	1	4	5	6		2	13	9	8	1
	2	10	11	12		14	3	7		
G04-85e	1	1	2	4	5	6		3	14	7
	2	9	10	12	13	8		11		

G04-89



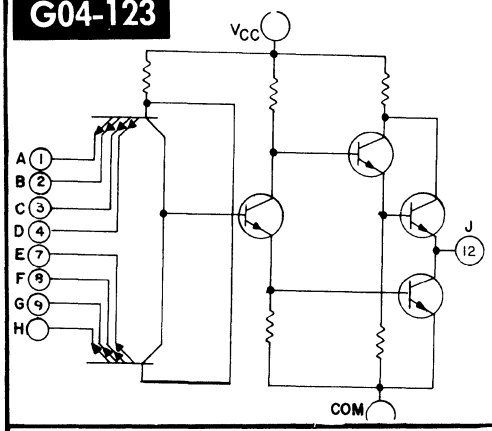
	CKT NO	A	B	C	D	E	F	G	V_{CC}	COM
G04-89	1	6	7	8	9	NC	5	10	4	11
	2	1	2	13	14	NC	3	12		
G04-89a, d	1	3	5	6				2	4	11
	2	7	8	9		NC		10		
	3	1	13	14				12		
G04-89b, c	1	2	3					1	4	11
	2	5	6			NC		7		
	3	8	9					10		
	4	13	14					12		
G04-89e	1	3	5				6	2	4	11
	2	8	9			NC	7	10		
	3	13	14				1	12		
G04-89f	1	5	6	7	8	9	NC	10	4	11
	2	1	2	3	13	14	NC	12		
G04-89g	1	3	4					2	8	1
	2	6	7			NC		5		
	3	12	13					14		
	4	10	9					11		
G04-89h	1	3	4	5				2	8	1
	2	7	9	10		NC		6		
	3	11	12	13				14		
G04-89j	1	3	4	5	6	NC	7	2	8	1
	2	13	12	11	10	NC	9	14		
G04-89k	1	13	12	11	10	9	NC	8	14	7
	2	1	2	3	4	5	NC	6		
G04-89m	1	3						2	8	1
	2	5						4		
	3	7						6		
	4	9						10		
	5	11						12		
	6	13						14		

G04-92

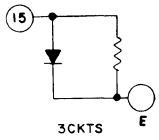


	CKT.NO.	A	B	C	D	E	F	V_{AA}	COM	OUTLINE
G04-92	1	1	2	3	NC	NC	4	10	5	CN
	2	9	8	NC	NC	7	6	10	5	
	1	1	2	4	5	3	6	14	7	FP & MP
	2	13	12	10	9	11	8	14	7	
G04-92a	1	1	2				3	14	7	FP & MP
	2	4	5		NC		6	14	7	
	3	9	10				8	14	7	
	4	12	13				11	14	7	
G04-92b	1	2	3				4	10	5	CN
	2	7	8				6	10	5	
	3	1					9	10	5	
	1	3	4	5			6	14	7	FP & MP
	2	9	10	11			8	14	7	
	3	2	1	13			12	14	7	
G04-92c	1	1	2				3	12	6	CN
	2	4					5	12	6	
	3	11	10				9	12	6	
	4	8					7	12	6	
G04-92d	1	1	2				3	14	7	FP
	2	4	5				6	14	7	
	3	9	10				8	14	7	
	4	12	13				11	14	7	
	1	1	2	3	4		5	12	6	CN
	2	11	9	8		10	7	12	6	
G04-92e	1	1	2				11	12	6	CN
	2	3	4				5	12	6	
	3	10	9	8			7	12	6	
G04-92f	1	1	2	3	4		5	12	6	CN
	2	11	10	9	8		7			
	1	1	2	4	5	3	6	14	7	FP
	2	13	12	10	9	11	8			
G04-92g	1	1	2				3			
	2	4	5				6	14	7	
	3	10	9				8			
	4	13	12				11			
G04-92h	1	1	2	3			13			
	2	4	5	6			7	14	10	
	3	12	11	9			8			
G04-92j	1	13	1	2			12			
	2	3	4	5			6	14	7	
	3	9	10	11			8			

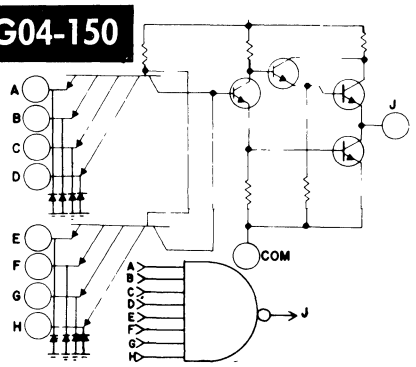
G04-123



CKT NO	1	2	3
A	D	K	R
B	E	L	S
C	F	M	T
D	H	N	U
E	J	P	V

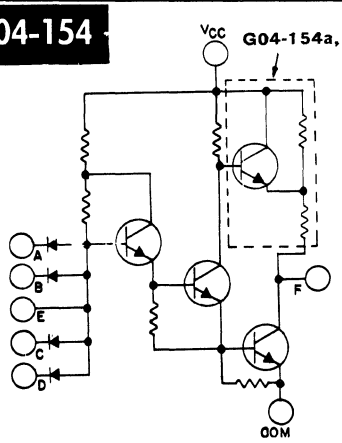


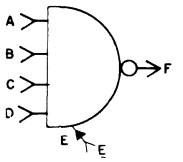
G04-150



	PKG.	A	B	C	D	E	F	G	H	J	VCC	COM
G04-150		11	10	9	8	6	5	4	3	1	2	12
G04-150A	FP	2	3	5	6	7	8	9	10	12	4	11
	MP	1	2	3	4	5	6	11	12	8	14	7

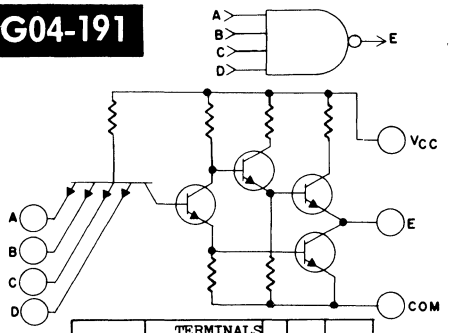
G04-154





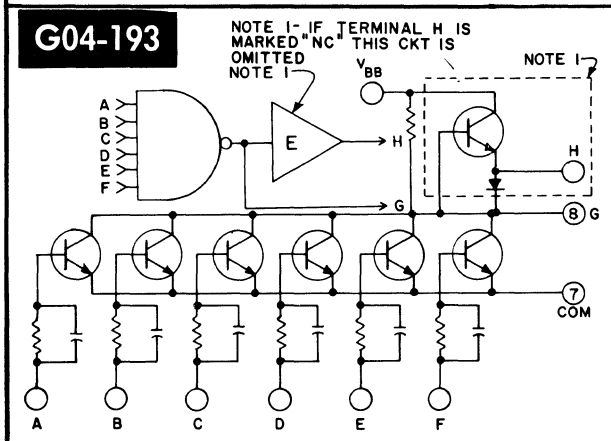
	CKT TERM	A	B	C	D	E	F	VCC	COM	PKG
G04-154 OR G04-154a	1	1	2	3	4		5	12	6	CN, FP OR MP
	2	11	10	9	8		7			
	1	1	2	4	5	3	6	14	7	
	2	13	12	10	9	11	8			
G04-154b OR G04-154c	1	1	2	3			4	10	5	
	2	8	9			7	6			
	1	1	2	4	5	3	6	14	7	
	2	9	10	12	13	11	8			
G04-154d	1	1	2	4	5	3	6	14	7	FP
	2	9	10	12	13	11	8			MP
G04-154e OR G04-154f	1	1	2				3	14	7	
	2	5	6				4			
	3	8	9				10			
	4	12	13				11			

G04-191



CKT NO	TERMINALS A	B	C	D	E	VCC	COM
G04-191	1	2	3	13	12	4	10
	2	5	6	7	9	11	4	10
G04-191a	1	1	2	3		5	4	10
	2	6	7	8		9	4	10
	3	12	13	11		14	4	10

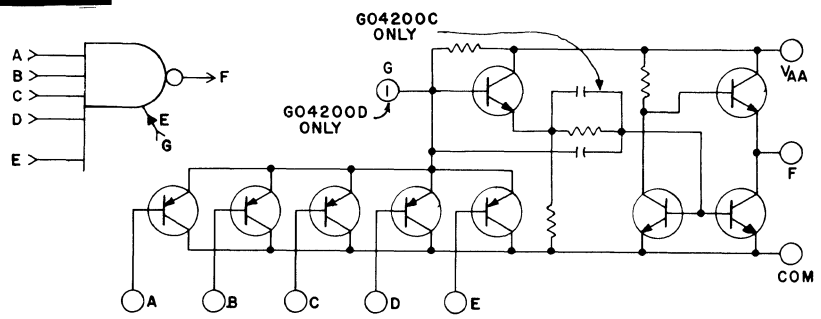
G04-193



	CKT NO	A	B	C	D	E	F	G	H
G04193	1	1	2	6	4	5	10	8	NC
G04193A	1	1	2	6	4	5	10	8	9
G04193B	1	6	1	2				8	NC
	2	4	5	10				9	NC
G04193C	1	1						NC	2
	2	6	9					NC	8
	3	5	10					4	NC
G04193D	1	13	14					12	NC
	2	6	9					10	NC
	3	1	5					2	NC
G04193E	1	13	14					12	NC
	2	6	9					10	NC
	3	1	5					2	4
G04193F	1	7	9	13	14			12	NC
	2	6						5	NC
	3	1						2	NC
G04193G	1	7	9	13	14			12	NC
	2	6						5	NC
	3	1						2	4

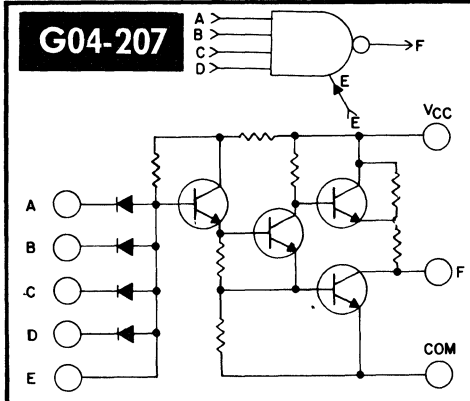
NC

G04-200



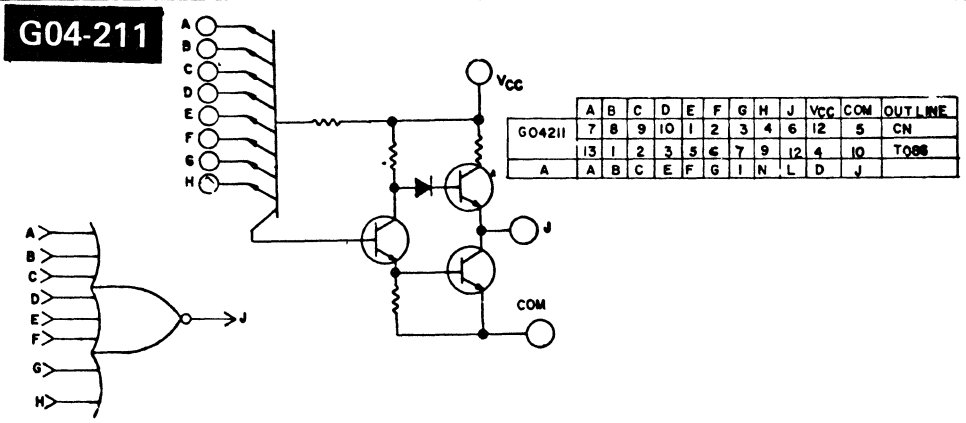
	OUT LINE	CKT NO	A	B	C	D	E	F	VAA	COM
G04200	FP	1	14	1	2	3	12	13	11	4
		2	10	5	6	7	8	9		
	MP	1	15	2	3	4	13	7	12	5
		2	11	6	7	8	9	10		
G04200A	FP	1	2	3	14	NC	NC	1	11	4
		2	5	7	8	NC	NC	6		
		3	10	12	13	NC	NC	9		
	MP	1	3	4	15	NC	NC	2	12	5
		2	11	13	14	NC	NC	10		
		3	8	9	6	NC	NC	7		
G04200B	FP	1	1	3	NC	NC	NC	2	11	4
		2	5	7	NC	NC	NC	6		
		3	10	9	NC	NC	NC	8		
		4	12	13	NC	NC	NC	14		
	MP	1	1	4	NC	NC	NC	3	12	5
		2	6	8	NC	NC	NC	7		
		3	11	10	NC	NC	NC	9		
		4	13	14	NC	NC	NC	15		
G04200C	FP	1	2	7	6	NC	NC	1	8	3
		2	4	9	10	NC	NC	5		
G04200D	FP	1	4	5	6	7	9	10		
G04200E	FP	1	1	2	9	NC	NC	10		
		2	4	5	7	NC	NC	6		

G04-207



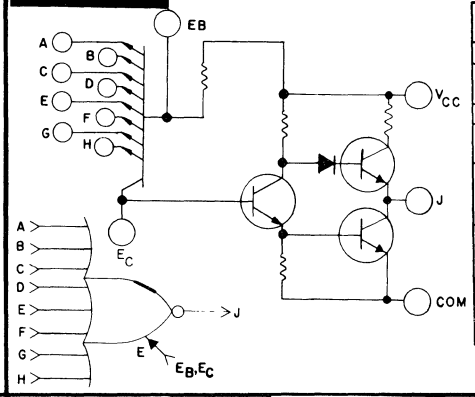
	CKT. NO.	A	B	C	D	E	F	V_{CC}	COM
G04 207	1	1	2	3	NC	NC	4	10	5
	2	9	8	NC	NC	7	6		
G04 207A	1	1	2	4	5	3	6	14	7
	2	13	12	10	9	11	8		
G04 207B	1	1	2	3	4		5	12	6
	2	11	9	8		10	7		

G04-211



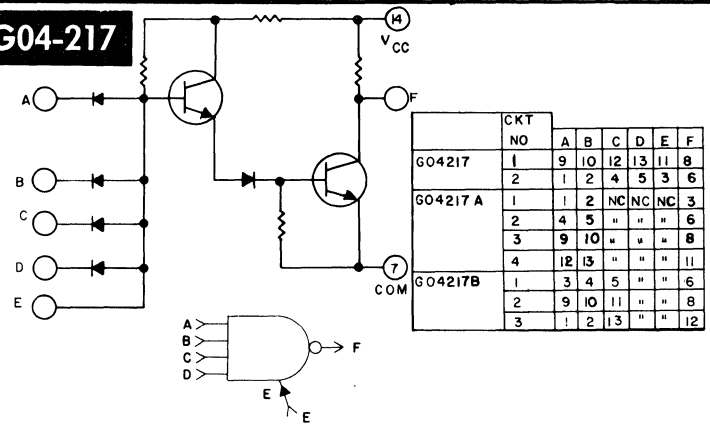
	A	B	C	D	E	F	G	H	J	V_{CC}	COM	OUTLINE
G04211	7	8	9	10	1	2	3	4	6	12	5	CN
	13	1	2	3	5	6	7	9	12	4	10	TO86
A	A	B	C	E	F	G	I	N	L	D	J	

G04-212



	CKT	A	B	C	D	E	F	G	H	J	E_B	E_C	V_{CC}	COM	OUTLINE
G04212		8	9	10	NC	11	1	2	3	6	4	7	12	5	CN
		14	1	2	8	3	5	6	7	12	9	13	4	10	FP
G04212A		1	2	3	13	5	6	7	8	11	9	12	4	10	
G04212B		7	8	9	4	10	1	2	3	6			12	5	CN
		13	1	2	9	3	5	6	7	12			4	10	FP
G04212C		1	2	3	13	5	6		9	11			4	10	
G04212D		2	3							6			12	5	CN
		5	6							11			4	10	FP
G04212E	1	1	2	3						5			4	10	
	2	6	7	8						9			4	10	
	3	11	12	13						14			4	10	
G04212F	1	1	2							3			4	10	
	2	5	6							7			4	10	
	3	8	9							11			4	10	
	4	12	13							14			4	10	
G04212G		1	2	3	5	6	7	9	13	12			4	10	FP&MP
G04212H		1	2	3	5	6	7	8	14	12	9	13	4	10	FP&MP

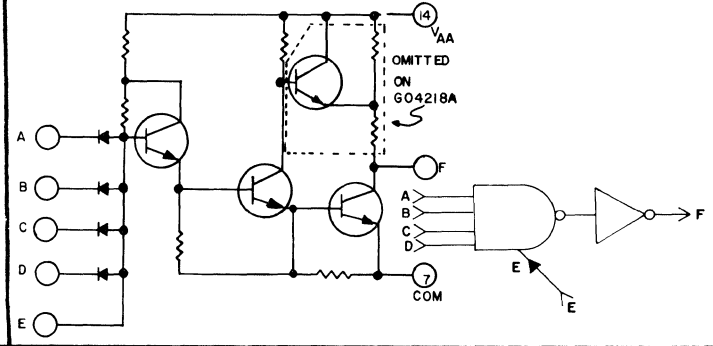
G04-217



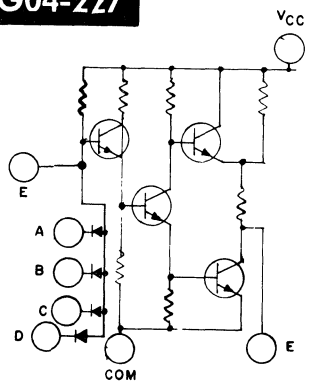
	CKT NO	A	B	C	D	E	F
G04217	1	9	10	12	13	11	8
	2	1	2	4	5	3	6
G04217A	1	1	2	NC	NC	NC	3
	2	4	5	"	"	"	6
	3	9	10	"	"	"	8
	4	12	13	"	"	"	11
G04217B	1	3	4	5	"	"	6
	2	9	10	11	"	"	8
	3	1	2	13	"	"	12

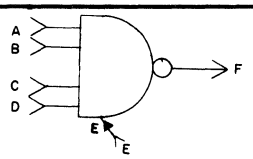
G04-218

CKT NO	A	B	C	D	E	F
1	1	2	4	5	3	6
2	9	10	12	13	11	8



G04-227

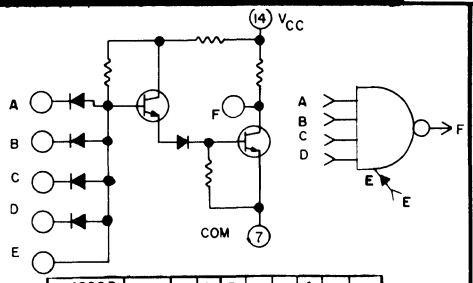




DWG NO	CKT NO.	A	B	C	D	E	F	V_{CC}	COM
G04227	1	3	5	6	–	–	2	4	11
	2	7	8	9	–	–	10		
A	1	6	7	8	9	–	10	4	11
	2	1	2	13	14	–	12		
B	1	6	7	8	9	5	10	4	11
	2	1	2	13	14	3	12		
C	1	3	4	5	6	7	2	8	1
	2	13	12	11	10	9	14		
D	1	3	4	–	–	5	2	6	1
	2	8	9	–	–	7	10	6	1
E	1	3	4	5	–	–	2	6	1
	2	7	8	9	–	–	2	6	

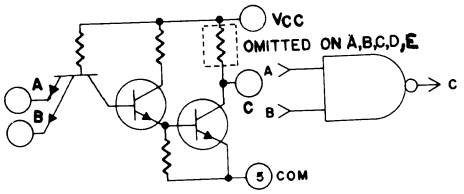
G04-229

	CKT.NO	A	B	C	D	E	F	V_{CC}	COM
G04229	1	1	2	4	5	3	6	14	7
	2	9	10	12	13	11	8		
G04229A	1	1	2				3	14	7
	2	4	5				6		
	3	9	10				8		
	4	12	13				11		
G04229B	1	4	5	6	7	NC	8	34	3
	2	10	11	12	13	NC	9		
	3	14	15	16	17	NC	18		
	4	20	21	22	23	NC	19		
	5	24	25	26	27	NC	28		
	6	30	31	32	33	NC	29		
G04229C	1	5	6	7	NC	4	8	34	3
	2	10	11	12	NC	13	9		
	3	15	16	17	NC	14	18		
	4	20	21	22	NC	23	19		
	5	25	26	27	NC	24	28		
	6	30	31	32	33	NC	29		



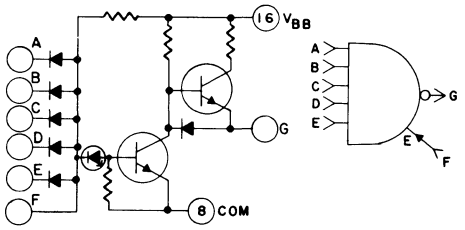
G04229D	1	1	2	3			4	10	5
	2	8	9			7	6		
G04229E	1	2	3				4	10	5
	2	7	8				6		
	3	1					9		
G04229F	1	1	2	13			12	14	7
	2	3	4	5			6		
	3	9	10	11			8		

G04-233



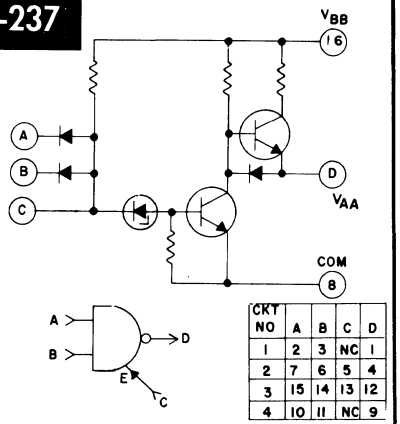
		CKT NO	A	B	C	V_{CC}	COM
G04-233		1	2	3	1	10	5
		2	4	6	8	10	5
G04-233a	FP	1	12	13	14	4	11
		2	10	9	8	4	11
		3	6	7	5	4	11
		4	1	2	3	4	11
	MP	1	2	3	1	14	7
		2	5	6	4	14	7
		3	9	8	10	14	7
		4	11	12	13	14	7
G04-233b	MP	1	1	2	3	14	7
		2	4	5	6	14	7
		3	9	10	8	14	7
		4	12	13	11	14	7
G04-233c	MP	1	1	2	3	14	7
		2	5	6	4	14	7
		3	8	9	10	14	7
		4	12	13	11	14	7
G04-233d	MP	1	1		2	14	7
		2	3		4	14	7
		3	6		5	14	7
		4	8		9	14	7
		5	11		10	14	7
		6	13		12	14	7
G04-233e		1	2	3	1	14	7
		2	5	6	4		
		3	9	8	10		
		4	11	12	13		

G04-236



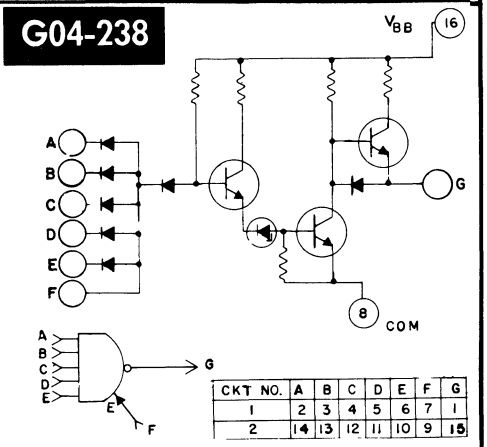
CKT NO.	A	B	C	D	E	F	G
1	7	6	5	4	3	2	1
2	9	10	11	12	13	14	15

G04-237



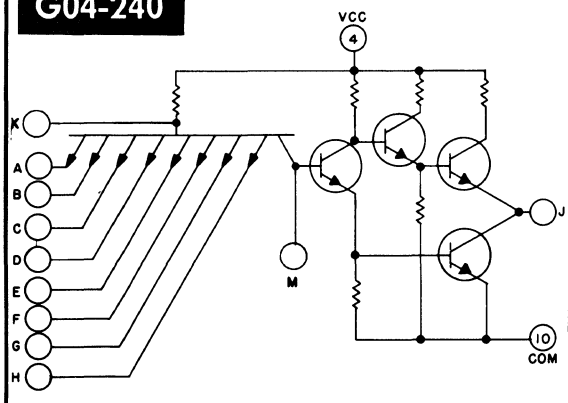
CKT NO	A	B	C	D
1	2	3	NC	1
2	7	6	5	4
3	15	14	13	12
4	10	11	NC	9

G04-238



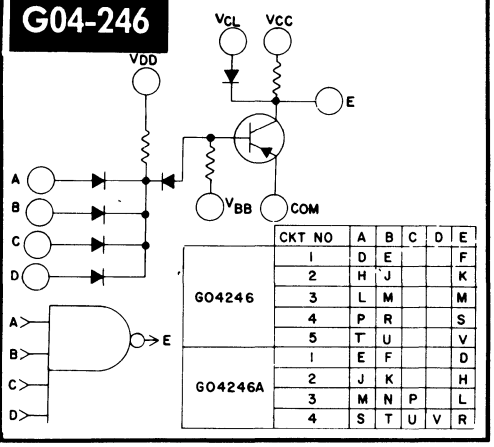
CKT NO.	A	B	C	D	E	F	G
1	2	3	4	5	6	7	1
2	14	13	12	11	10	9	15

G04-240



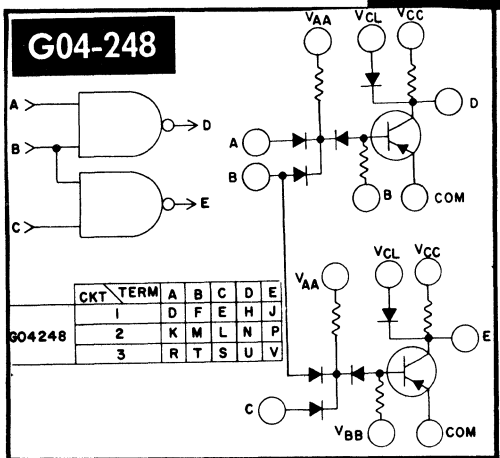
	TERM CKT NO	A	B	C	D	E	F	G	H	J	K	M
G04240	1	1	2	3	13	—	NC	—		12		
	2	5	6	7	9	—	NC	—		11		
G04240A	1	1	2	3	5	6	7	9	13	12		
G04240B	1	1	2							3		
	2	5	6				NC			7		
	3	8	9							11		
	4	12	13							14		
G04240C		1	2	3	5	6	7	8	14	12	9	13
G04240D	1	1	2	3	5	6	7	9	13	12		
G04240E	1	1	2	3						5		
	2	6	7	8			NC			9		
	3	11	12	13						14		

G04-246



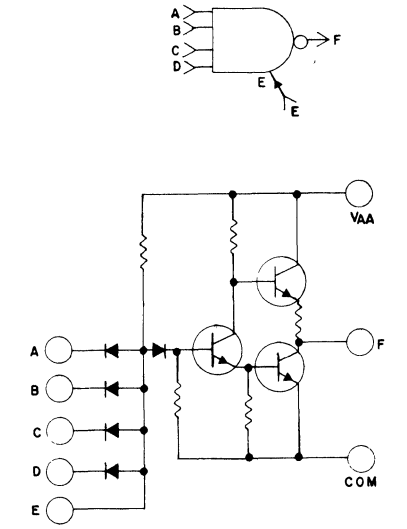
	CKT NO	A	B	C	D	E
G04246	1	D	E			
	2	H	J			K
	3	L	M			M
	4	P	R			S
	5	T	U			V
G04246A	1	E	F			D
	2	J	K			H
	3	M	N	P		L
	4	S	T	U	V	R

G04-248



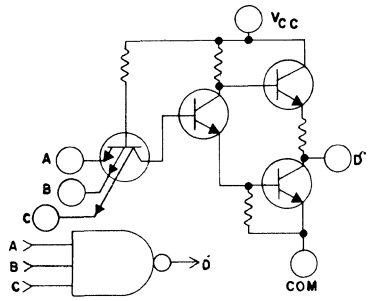
	CKT / TERM	A	B	C	D	E
G04248	1	D	F	E	H	J
	2	K	M	L	N	P
	3	R	T	S	U	V

G04-258



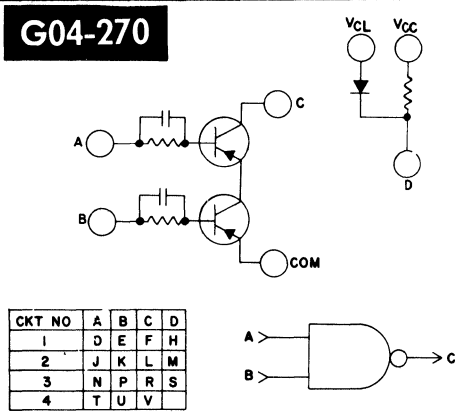
	CKT TERM	A	B	C	D	E	F	V_{AA}	COM
G04258	1	1	2	13	14	3	12	4	11
	2	6	7	8	9	5	10	4	11
G04258A	1	1	2	4	5	3	6	14	7
	2	9	10	12	13	11	8	14	7

G04-260



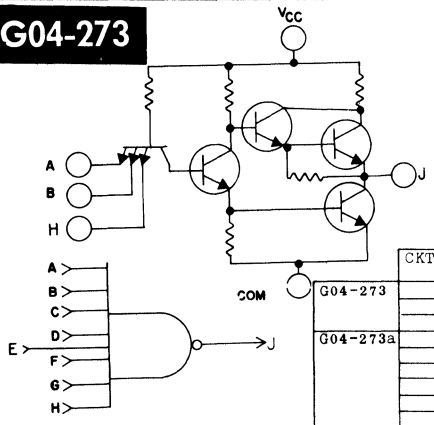
		CKT NO	A	B	C	D	COM	V_{CC}
G04260	FP	1	2	3		1	11	4
		2	5	6		7		
		3	9	10		8		
		4	12	13		14		
	MP	1	1	2		3	7	14
		2	4	5		6		
		3	9	10		8		
		4	12	13		11		
G04260A	FP	1	1	13	14	12	11	4
		2	3	5	6	2		
		3	7	8	9	10		
	MP	1	1	2	13	12	7	14
		2	3	4	5	6		
		3	9	10	11	8		

G04-270



CKT NO	A	B	C	D
1	D	E	F	H
2	J	K	L	M
3	N	P	R	S
4	T	U	V	

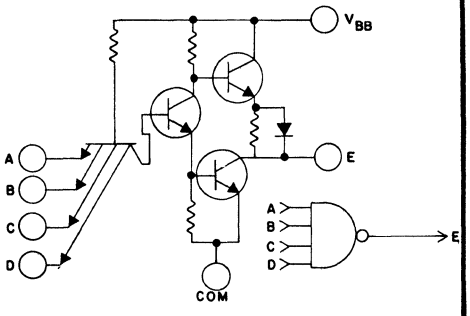
G04-273



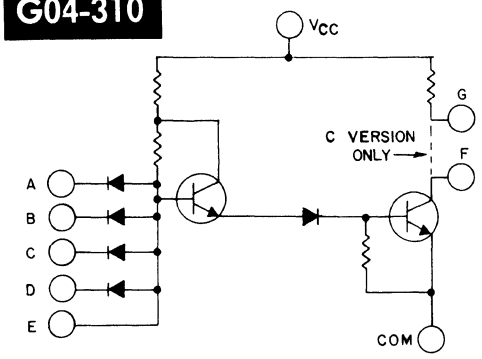
CKT.NO.	TERM	A	B	C	D	E	F	G	H	J	V_{CC}	COM	PKG
G04-273	1	2	3	5	6	7	8	9	10	12	4	11	FP
	1	1	2	3	4	5	6	11	12	8	14	7	MP
	1	1	12	13	14					2	4	11	FP
G04-273a	2	6	7	8	9					10	4	11	FP
	1	2	3	4	5					6	14	7	MP
	2	9	10	11	12					13	14	7	MP
	1	1	2	14						3	4	11	FP
	2	6	7	8						5	4	11	FP
	3	9	10	12						13	4	11	FP
G04-273b	1	2	3	4						1	14	7	MP
	2	5	6	8						9	14	7	MP
	3	10	11	12						13	14	7	MP
	1	1	2							3	4	11	FP
	2	6	7							5	4	11	FP
	3	9	10							8	4	11	FP
	4	12	13							14	4	11	FP
G04-273c	1	2	3							1	14	7	MP
	2	5	6							4	14	7	MP
	3	8	9							10	14	7	MP
	4	11	12							13	14	7	MP
	1	1	2							3	14	7	MP
	2	4	5							6	14	7	MP
	3	12	13							11	14	7	MP
G04-273d	4	9	10							8	14	7	MP
	1	1	2							3	4	11	FP
	2	6	7							5	4	11	FP
	3	9	10							8	4	11	FP
	4	12	13							14	4	11	FP
G04-273e	1	2	3	13						12	14	7	MP
	2	3	4	5						6	14	7	MP
	3	9	10	11						8	14	7	MP
G04-273f	1	1	2	4	5					6	14	7	MP
	2	9	10	12	13					8	14	7	MP
G04-273g	1	1	2							3	14	7	MP, FP
	2	4	5							6	14	7	MP, FP
	3	9	10							8	14	7	MP, FP
	4	12	13							11	14	7	MP, FP

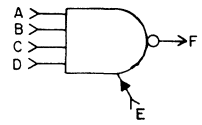
G04-303

	CKT NO	A	B	C	D	E	V_{BB}	COM
FP	1	6	7	8	9	10	4	11
	2	1	2	13	14	12	4	11
MP	1	1	2	4	5	6	14	7
	2	9	10	12	13	8	14	7



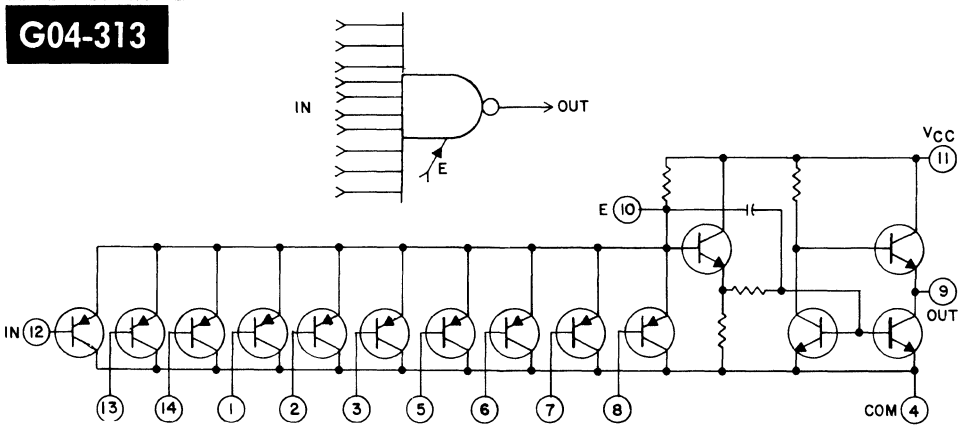
G04-310



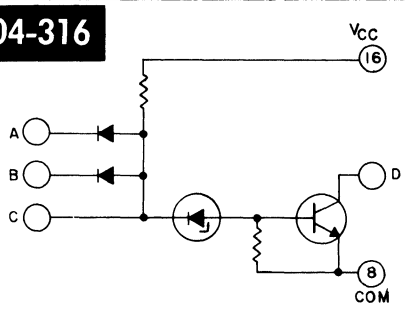


	CKT.NO.	A	B	C	D	E	F	G	V_{CC}	GND
G04-310	1	7	8	9	10	2	3	4	6	1
G04-310a	1	3	4				2	9	6	1
	2	7	8				10		6	1
G04-310b	1	3	4				2		6	1
	2	7	8	9			10			
G04-310c	1	3	4				2	2	6	1
	2	7	8	9			10	10		
G04-310d	1	7	8	9		10	3		6	1
G04-310e	1	1					2		14	7
	2	3					4			
	3	5					6			
	4	13					12			
	5	11					10			
	6	9					8			
G04-310f	1	1	2				3		14	7
	2	4	5				6			
	3	9	10				8			
	4	12	13				11			

G04-313

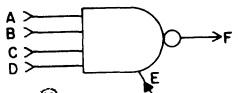


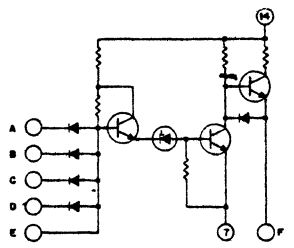
G04-316



CKT. NO	A	B	C	D
1	7	6	5	4
2	15	14	13	12
3	2	3		1
4	10	11		9

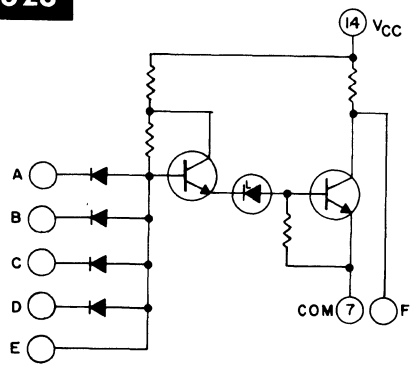
G04-322

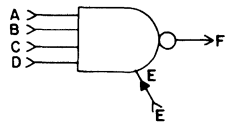




CKT NO	A	B	C	D	E	F
1	1	2	4	5	3	6
2	9	10	12	13	11	8

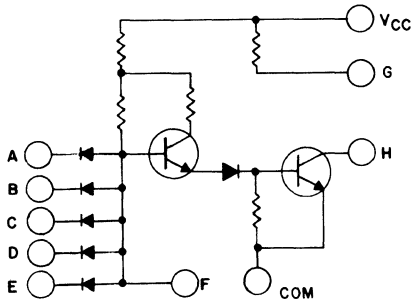
G04-323

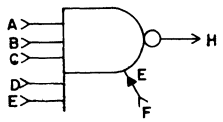




	CKT	A	B	C	D	E	F
G04-323	1	1	2	4	5	3	6
	2	9	10	12	13	11	8
G04-323a	1	1	2				3
	2	4	5				6
	3	9	10				8
	4	12	13				11
G04-323b	1	3	4	5			6
	2	9	10	11			8
	3	1	2	13			12

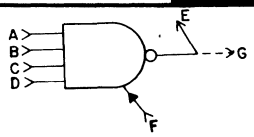
G04-325





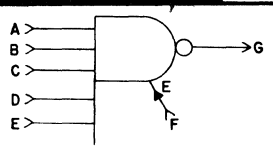
	CKT NO.	A	B	C	D	E	F	G	H	COM	V_{CC}
G04-325	1	1	2	4			3	5	6	7	14
	2	10	12	13			11	9	8		
G04-325A	1	2	1	14			3	13	12	11	4
	2	6	7	8			5	9	10		
G04-325B	1	1	2	3	4	5			6	7	14
	2	9	10	11	12	13			8		
G04-325C	1	1	2	3	14	13			12	11	4
	2	5	6	7	8	9			10		

G04-326



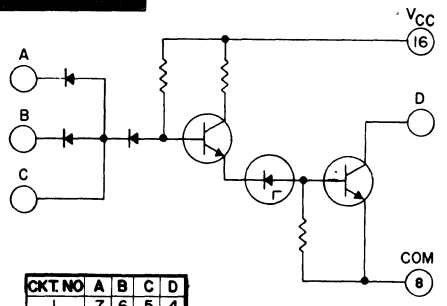
	CKT NO	A	B	C	D	E	F	G
G04 326	1	8	J	H	6		7	F
	2	5	D	C	3		4	E
	3	X	19	18	V			W
	4	17	T	S	15			16
	5	R	13	12	N			P
	6	11	L	K	9			10
G04 326 A	1	6	5					D
	2	8	7					E
	3	U	19	18	17		T	S
	4	20	V				W	X
	5	4	3					C
	6	H	12	10	9		11	F
	7	16	N	L			R	P
	8	22	21				Y	Z

G04-327



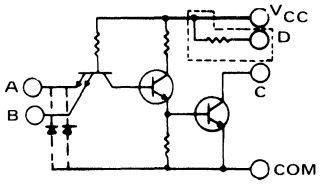
CKT NO	A	B	C	D	E	F	G
1	4	5	E	D	3		C
2	7	H	8	F	6		J
3	11	M	L	9		10	K
4	R	13	12	N		P	14
5	17	16					15
6	U	T					S
7	18	X					20
8	V	19					W

G04-329



CKT NO	A	B	C	D
1	7	6	5	4
2	15	14	13	12
3	2	3	NC	1
4	10	11	NC	9

G04-330

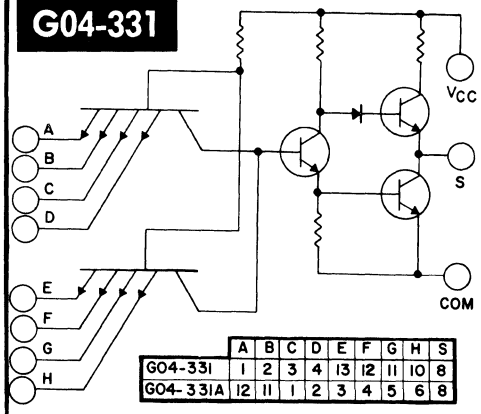


DOTTED-IN PORTION FOR G04-330a ONLY.

CLAMPING DIODES FOR G04-330b,e ONLY.

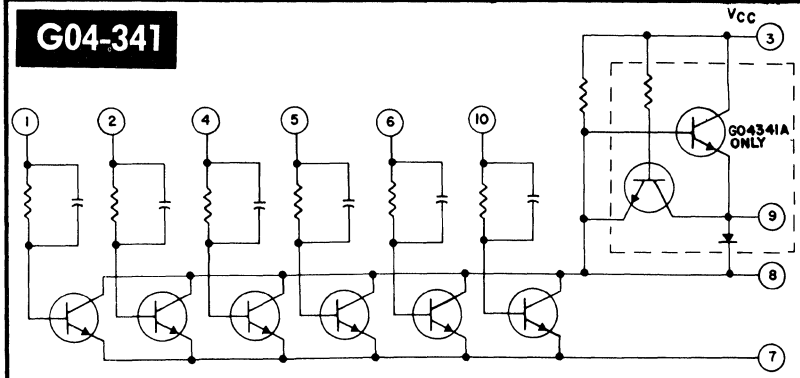
	CKT NO.	A	B	C	D	VCC	COM
G04-330	1	1	2	3	NC	4	10
	2	5	6	7	NC		
	3	8	9	11	NC		
	4	12	13	14	NC		
G04-330a	1	6	5	7	8	4	10
	2	2	3	1	14		
	3	12	13	11	9		
G04-330b	1	1	2	3	NC	14	7
	2	4	5	6	NC		
	3	9	10	8	NC		
	4	12	13	11	NC		
G04-330c	1	1	2	3	NC	4	11
	2	6	7	5	NC		
	3	9	10	8	NC		
	4	12	13	14	NC		
G04-330d	1	2	3	1	NC	14	7
	2	5	6	4	NC		
	3	8	9	10	NC		
	4	11	12	13	NC		
G04-330e	1	1	14	2	NC	3	10
	2	5	6	4	NC		
	3	8	9	7	NC		
	4	11	12	13	NC		

G04-331

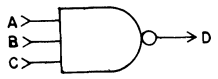


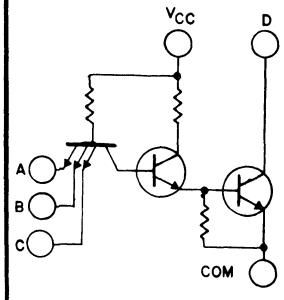
	A	B	C	D	E	F	G	H	S
G04-331	1	2	3	4	13	12	11	10	8
G04-331A	12	11	1	2	3	4	5	6	8

G04-341



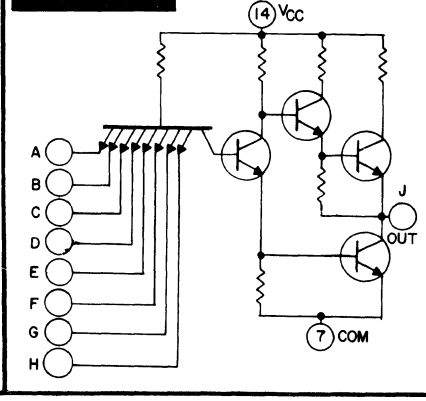
G04-342





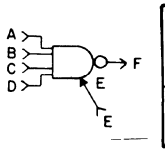
	PKG	CKT	A	B	C	D	VCC	COM
G04-342	FP	1	1	13	14	12	4	11
		2	3	5	6	2		
		3	7	8	9	10		
	MP	1	1	2	13	12	7	14
		2	3	4	5	6		
		3	9	10	11	8		
G04-342a	FP	1	2	3	NC	1	4	11
		2	5	6	NC	7		
		3	9	10	NC	8		
		4	12	13	NC	14		
	MP	1	1	2	NC	3	7	14
		2	4	5	NC	6		
		3	9	10	NC	8		
		4	12	13	NC	11		
G04-342b	MP	1	1	2	NC	3	14	7
		2	4	5	NC	6		
		3	9	10	NC	8		
		4	12	13	NC	11		

G04-345

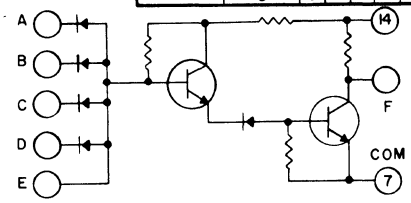


	CKT,NO.	A	B	C	D	E	F	G	H	J
G04-345	1	1	2							3
	2	4	5							6
	3	9	10							8
	4	12	13							11
G04-345a	1	1	2	13						12
	2	3	4	5						6
	3	9	10	11						8
G04-345b	1	2	4	5						6
	2	9	10	12	13					8
G04-345c	1	10	11	12	13	1	2	3	4	8
G04-345d	1	1								2
	2	3								4
	3	5								6
	4	9								8
	5	11								10
	6	13								12

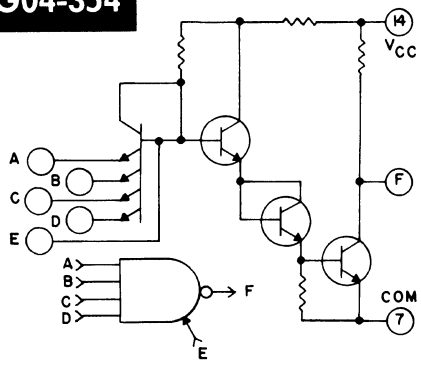
G04-352



	CKT. NO.	A	B	C	D	E	F
G04-352C	1	1	2				3
	2	4	5				6
	3	9	10				8
	4	12	13				11
G04-352D	1	3	4	5			6
	2	9	10	11			8
	3	1	2	13			12



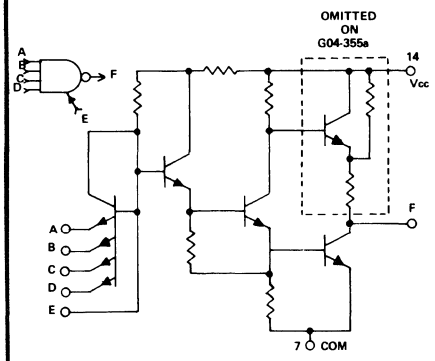
G04-354



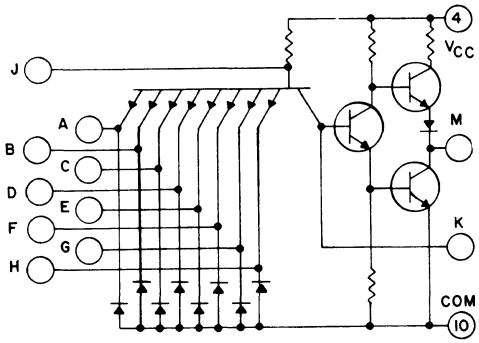
	CKT. NO	A	B	C	D	E	F
G04-354	1	1	2	4	5	3	6
	2	9	10	12	13	11	8
G04-354A	1	1	2	NC	NC	NC	3
	2	4	5	NC	NC	NC	6
	3	9	10	NC	NC	NC	8
	4	12	13	NC	NC	NC	11
G03-354B	1	1	2	13	NC	NC	12
	2	3	4	5	NC	NC	6
	3	9	10	11	NC	NC	8

G04-355

CKT	A	B	C	D	E	F
1	1	2	4	5	3	6
2	9	10	12	13	11	8

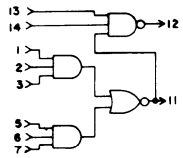


G04-358



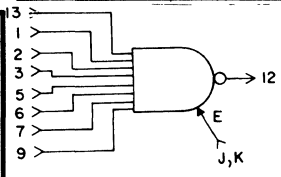
	CKT	A	B	C	D	E	F	G	H	J	K	M	VCC	COM
G04-358	1	1	2	3	5	6	7	9	13	NC	NC	12	4	10
G04-358a	1	1	2	3	5	6	7	8	14	9	13	12	4	10
G04-358b	1	13	1									12	4	10
	2	5	6									11		
G04-358c	1	1	2									3	4	10
	2	5	6									7		
	3	8	9									11		
	4	12	13									14		
G04-358d	1	1	2	3								5	4	10
	2	6	7	8								9		
	3	11	12	13								14		
G04-358e	1	1	2									3	4	11
	2	6	7									5		
	3	9	10									8		
	4	12	13									14		
G04-358f	1	1	2									3	14	7
	2	4	5									6		
	3	9	10									8		
	4	12	13									11		
G04-358g	1	1	2	14								3	4	11
	2	6	7	8								5		
	3	9	10	12								13		
G04-358h	1	1	2	13								12	14	7
	2	3	4	5								6		
	3	9	10	11								8		
G04-358j	1	1	12	13	14							2	4	11
	2	6	7	8	9							10		
G04-358k	1	1	2	4	5							6	14	7
	2	9	10	12	13							8		
G04-358m	1	2	3	5	6	7	8	9	10			12	4	11
G04-358n	1	1	2	3	4	5	6	11	12			8	14	7

G04-359

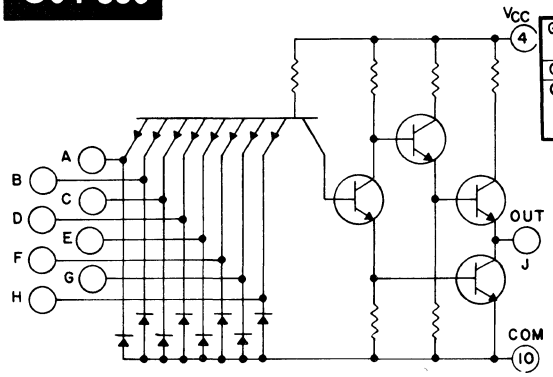


VCC - 4

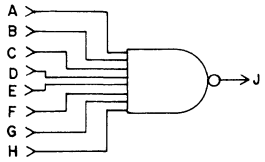
COM - 10



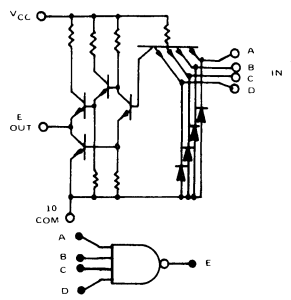
G04-360



	CKT. NO	A	B	C	D	E	F	G	H	J
G04-360	1	13	3	2	1					12
	2	5	6	7	9					11
G04-360A	1	1	2	3	5	6	7	9	13	12
G04-360B	1	1	2	3						5
	2	6	7	8						9
	3	11	12	13						14

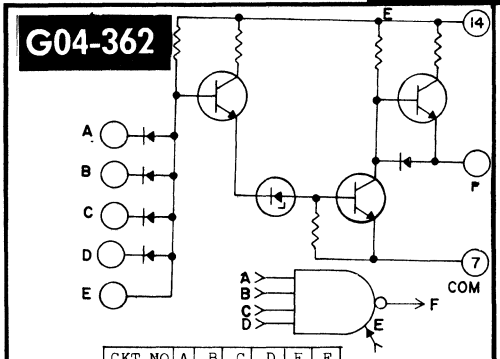


G04-361



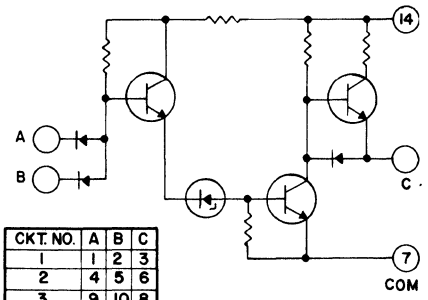
	CKT	A	B	C	D	E
G04-361	1	1	2			3
	2	5	6			7
	3	8	9			11
	4	12	13			14
G04-361A	1	13	1	2	3	12
	2	5	6	7	9	11

G04-362



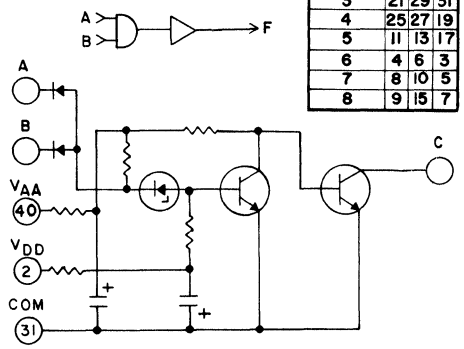
	CKT NO	A	B	C	D	E	F
G04-362	1	1	2	4	5	3	6
	2	9	10	12	13	11	8
G04-362a	1	3	4	5			6
	2	9	10	11			8
	3	1	2	13			12

G04-364



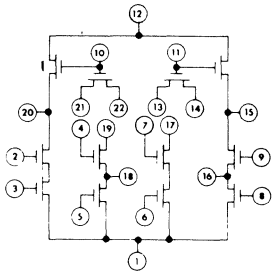
CKT. NO.	A	B	C
1	1	2	3
2	4	5	6
3	9	10	8
4	12	13	11

G04-374

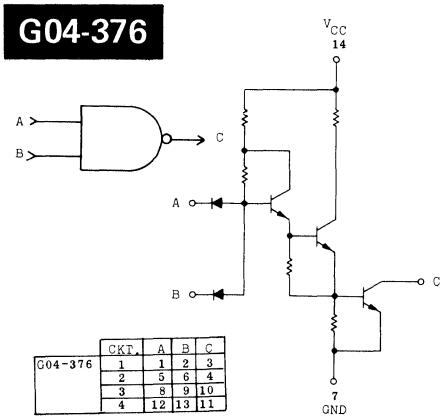


CKT. NO.	A	B	C
1	38	36	35
2	34	32	33
3	21	29	31
4	25	27	19
5	11	13	17
6	4	6	3
7	8	10	5
8	9	15	7

G04-375

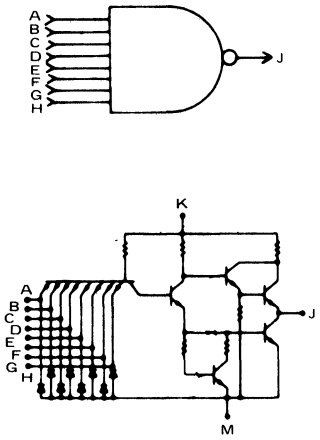


G04-376



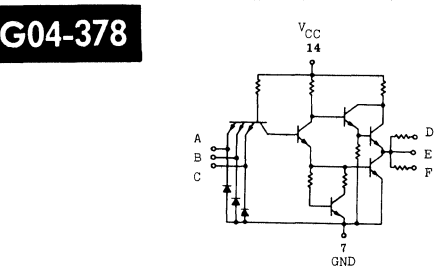
	CKT.	A	B	C
G04-376	1	1	2	3
	2	5	6	4
	3	8	9	10
	4	12	13	11

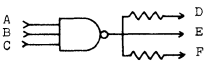
G04-377



	CKT	A	B	C	D	E	F	G	H	J	K	M	PKG
G04-377	1	1	2							3	14	7	FP,MP
	2	4	5							6			
	3	9	10							8			
	4	12	13							11			
G04-377a	1	1	2	13						12	14	7	FP,MP
	2	3	4	5						6			
	3	9	10	11						8			
G04-377b	1	1	2	4	5					6	14	7	FP,MP
	2	9	10	12	13					8			
G04-377c	1	1	2	3	4	10	11	12	13	8			
G04-377d	1	1	2							3	4	11	FP
	2	6	7							5	4	11	
	3	9	10							8	4	11	
	4	12	13							14	4	11	
G04-377e	1	1	2	14						3	4	11	FP
	2	6	7	8						5	4	11	
	3	9	10	12						13	4	11	
G04-377f	1	1	14	13	12					2	4	11	FP
	2	6	7	8	9					10	4	11	
G04-377g	1	1	2	3	4	5	6	11	12	8	14	7	FP,MP
	1	2	3	5	6	7	8	9	10	12	4	11	FP
G04-377h	1	1	2							3	4	10	FP,MP
	2	5	6							7			
	3	8	9							11			
	4	12	13							14			
G04-377j	1	1	2	3	13					12	4	10	FP,MP
	2	5	6	7	9					11			
G04-377k	1	1	2	3	5	6	7	9	13	12	4	10	FP,MP
G04-377m	1	1	2	3						5	4	10	FP,MP
	2	6	7	8						14			
	3	12	13	11						9			

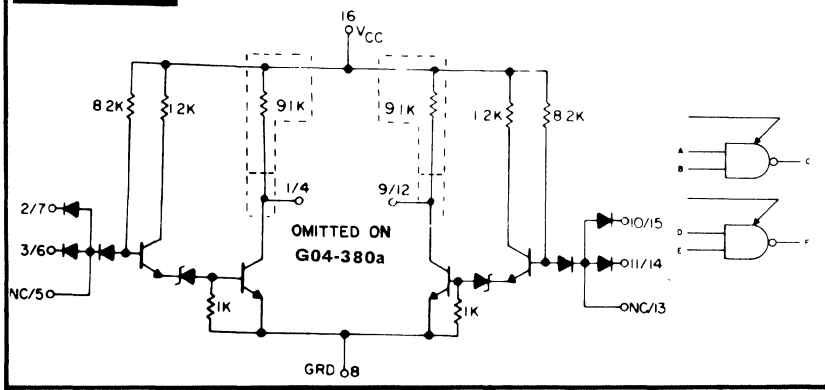
G04-378



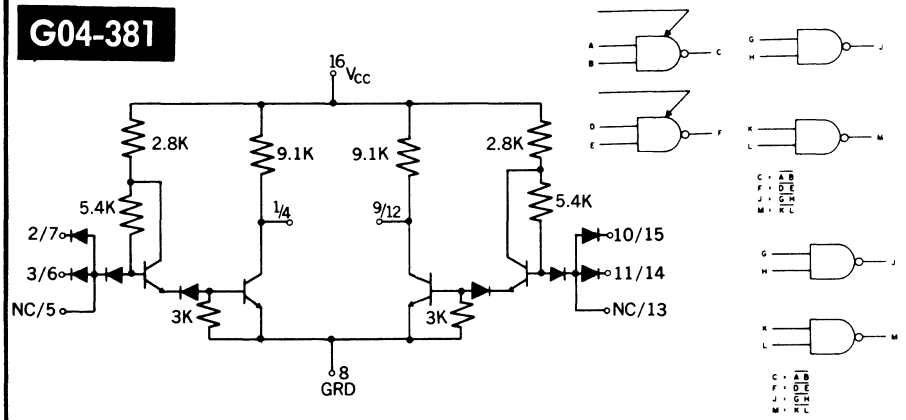


Ckt.	A	B	C	D	E	F
1	1	2	3	5	6	4
2	11	12	13	9	8	10

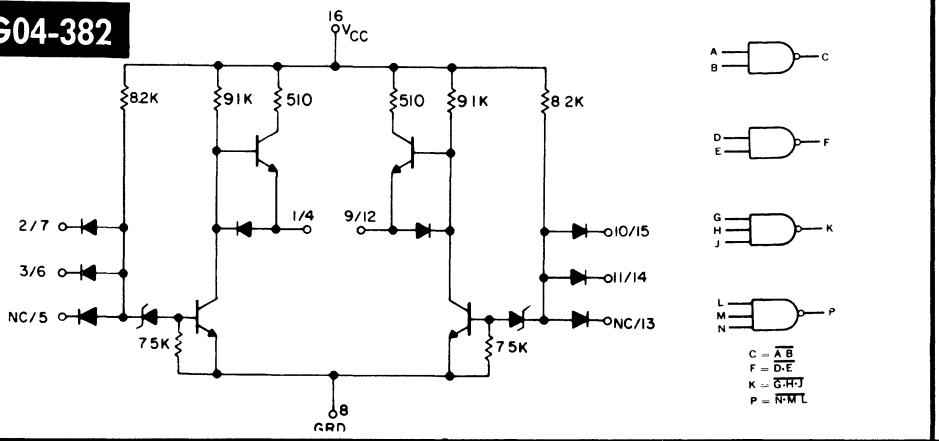
G04-380



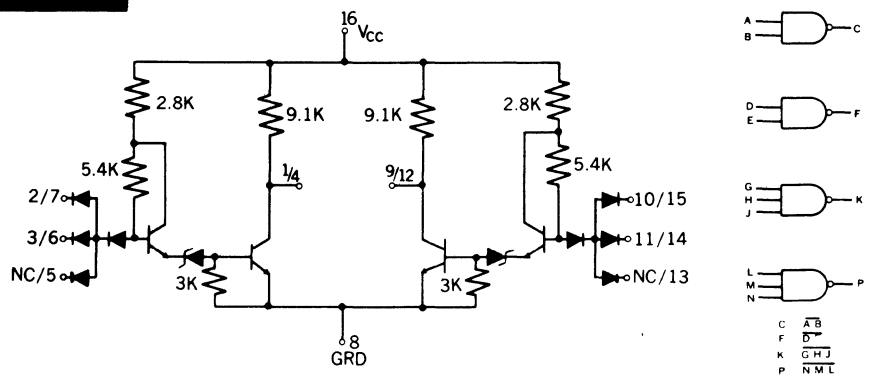
G04-381



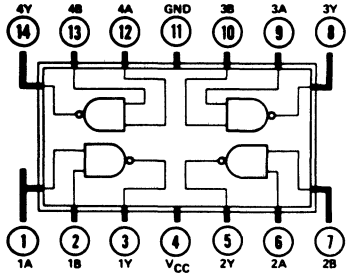
G04-382



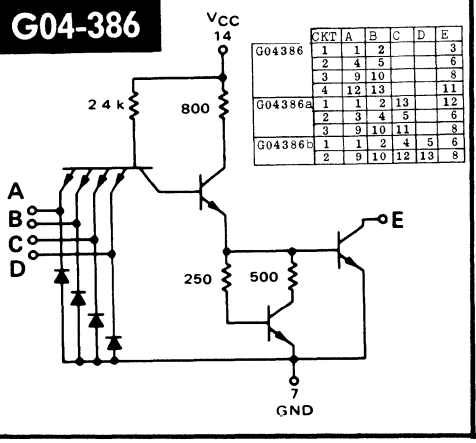
G04-383



G04-384

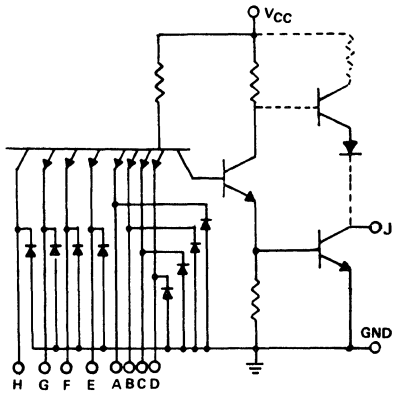


G04-386



	CKT	A	B	C	D	E
G04386	1	1	2			3
	2	4	5			6
	3	9	10			8
	4	12	13			11
G04386a	1	1	2	13		12
	2	3	4	5		6
	3	9	10	11		8
G04386b	1	1	2	4	5	6
	2	9	10	12	13	8

G04-387

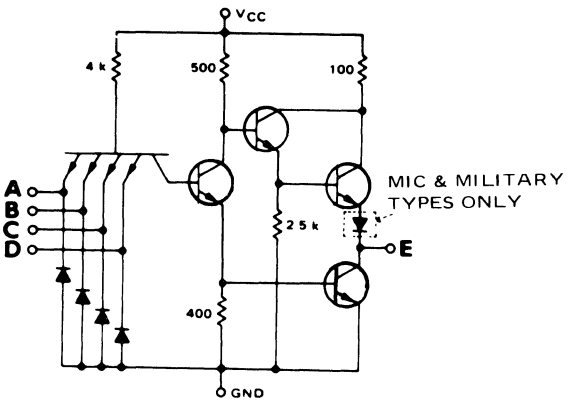


G04-387f INCLUDES DOTTED AREA W/O DOTTED RESISTOR

G04-387g THRU q INCLUDE DOTTED AREA WITH DOTTED RESISTOR.

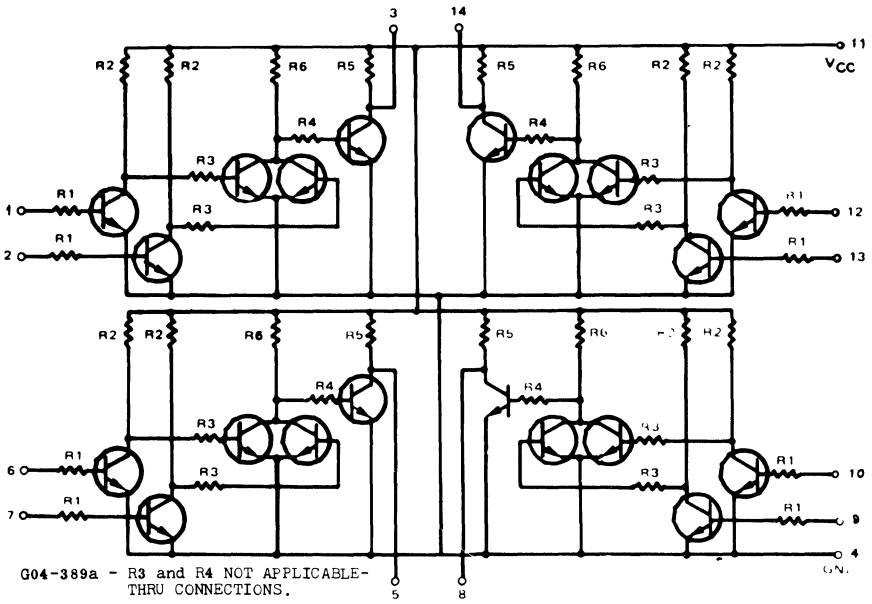
	PKG	CKT	A	B	C	D	E	F	G	H	J	Y	VCC	GND
G04-387	FP	1	1	2							3		4	11
		2	6	7							5		4	11
		3	9	10							8		4	11
		4	12	13							14		4	11
	M	1	1	2							3		14	7
		2	4	5							6		14	7
		3	9	10							8		14	7
		4	12	13							11		14	7
G04-387a		1	2	3							1		14	7
		2	5	6							4		14	7
		3	8	9							10		14	7
		4	11	12							13		14	7
G04-387b, g	M	1	1	2	4	5					6		14	7
		2	9	10	12	13					8		14	7
	FP	1	1	12	13	14					2		4	11
		2	6	7	8	9					10		4	11
G04-387c		1	1	2							3		14	7
		2	4	5							6		14	7
		3	9	10							8		14	7
		4	12	13							11		14	7
G04-387d		1	1								2		14	7
		2	3								4		14	7
		3	5								6		14	7
		4	9								8		14	7
		5	11								10		14	7
		6	13								12		14	7
G04-387e	M	1	1								2		14	7
		2	3								4		14	7
		3	5								6		14	7
		4	9								8		14	7
		5	11								10		14	7
		6	13								12		14	7
	FP	1	1								14		4	11
		2	3								2		4	11
		3	5								6		4	11
		4	7								8		4	11
		5	10								9		4	11
		6	13								12		4	11
G04-387f	FP	1	1								14		4	11
		2	3								2		4	11
		3	5								6		4	11
		4	7								8		4	11
		5	9								10		4	11
		6	13								12		4	11
G04-387h	M	1	1	2	3	4	5	6	11	12	8		14	7
G04-387j	M	1	1	2	13						12		14	7
		2	3	4	5						6			
		3	9	10	11						8			
G04-387k	M	1	1	2							3		14	7
		2	4	5							6			
		3	9	10							8			
		4	12	13							11			
G04-387m	M	1	1	2							3		16	8
		2	4								5			
		3	6								7			
		4	10	11							9			
		5	13								12			
		6	15								14			
G04-387n	M	1	1	2	3	4	5				6		14	7
		2	8	9	10	11	12				13			
G04-387p	FC	1	1	14								2	4	10
		2	5	6								4		
		3	8	9								7		
		4	11	12								13		
G04-387q	FC	1	1	13	14							2	3	10
		2	5	6	7							4		
		3	8	9	11							12		

G04-388



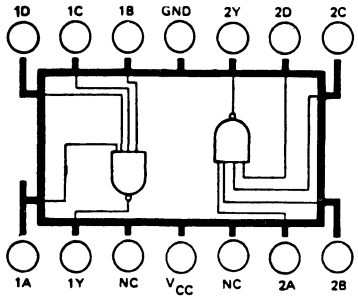
	CKT NO	A	B	C	D	E	VCC	GND
G04-388	1	1	12	13	14	2	4	11
	2	6	7	8	9	10		
G04-388a	1	1	2	4	5	6	14	7
	2	9	10	12	13	8		
G04-388b	1	1	2			3	14	7
	2	4	5			6		
	3	9	10			8		
	4	13	12			11		
G04-388c	1	1	2	14		3	4	11
	2	6	7	8		5		
	3	9	10	12		13		
G03-388d	1	1	2	13		12	14	7
	2	3	4	5		6		
	3	9	10	11		8		

G04-389



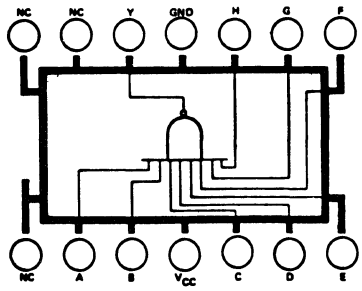
G04-389a - R3 and R4 NOT APPLICABLE-THRU CONNECTIONS.

G04-392



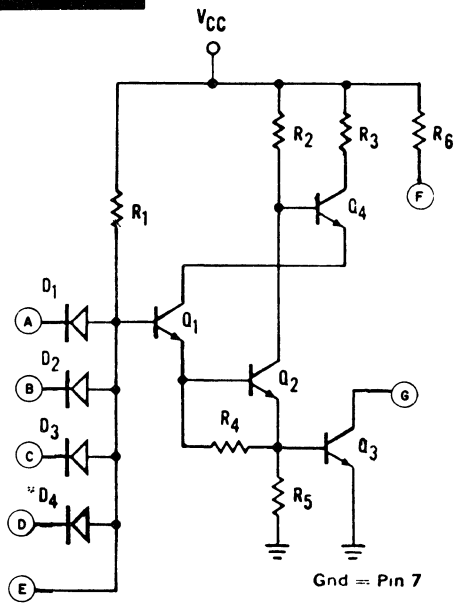
	CKT NO	A	B	C	D	Y	VCC	GND
G04392	1	1	2			3	4	11
	2	6	7			5		
	3	9	10			8		
	4	12	13			14		
G04392a	1	1	2	14		3	4	11
	2	6	7	8		5		
	3	9	10	12		13		
G04392b	1	1	12	13	14	2	4	11
	2	6	7	8	9	10		

G04-393



	PKG	A	B	C	D	E	F	G	H	Y	VCC	GND
G04-393	FP	2	3	5	6	7	8	9	10	12	4	11
G04-393a	M	1	2	3	4	5	6	11	12	8	14	7

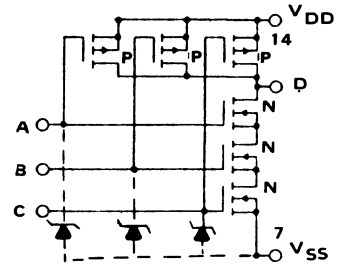
G04-395



	CKT	A	B	C	D	E	F	G	VCC
G04395	1	1	2	4		3	5	6	14
	2	9	10	12	13	11		8	14

G04-397

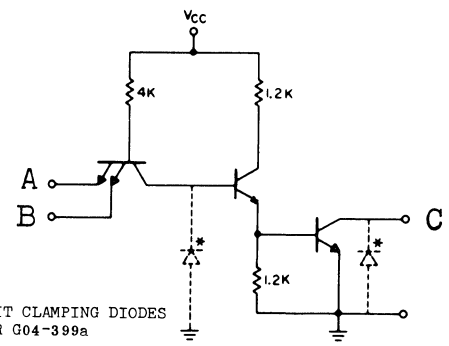
	CKT	A	B	C	D
G04-397	1	1	2	3	5
	2	11	12	13	9
G04-397a	1	3	4	5	6
	2	1	2	8	9
	3	11	12	13	10



NOTE: OMIT DOTTED PORTIONS ON G04-397a

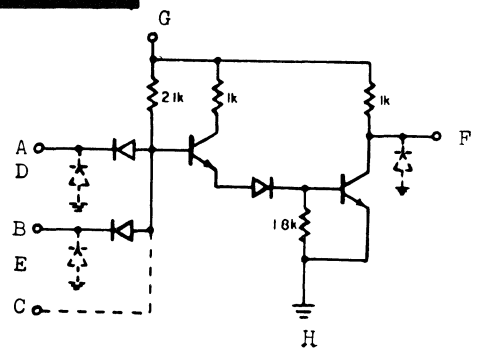
G04-399

	PKG	CKT	A	B	C	VCC	GND
G04-399	M	1	2	3	1	14	7
		2	5	6	4	14	7
		3	8	9	10	14	7
		4	11	12	13	14	7
	FP	1	1	2	3	4	11
		2	6	7	5	4	11
		3	9	10	8	4	11
		4	12	13	14	4	11
G04-399a,b	TO116	1	1	2	3	14	7
		2	4	5	6		
		3	9	10	8		
		4	12	13	11		



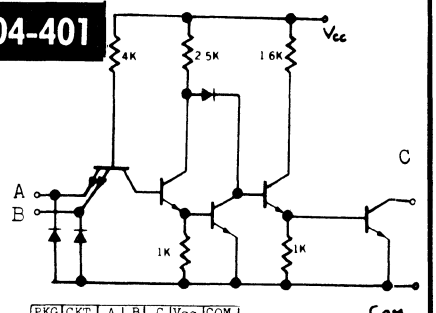
* OMIT CLAMPING DIODES FOR G04-399a

G04-400



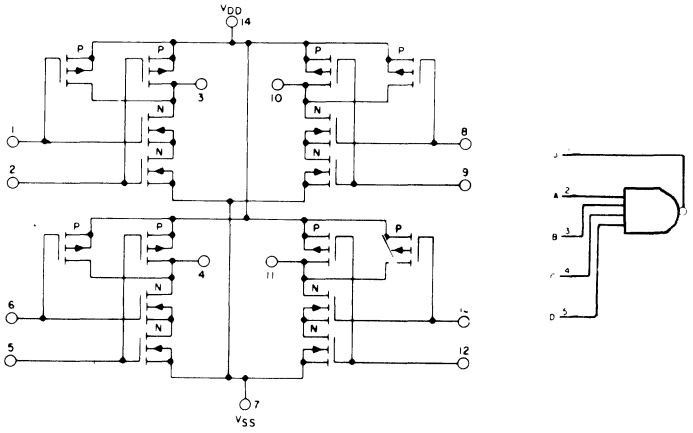
	CKT	A	B	C	D	E	F	G	H
G04-400	1	3	4				2	8	1
	2	5	6				7	8	1
	3	10	11				9	8	1
	4	12	13				14	8	1
G04-400a	1	3	4	5	6	7	2	8	1
	2	10	1	12	13	14	9	8	1
G04-400b	1	3	4	5			2	8	1
	2	7	9	10			6	8	1
	3	11	12	13			14	8	1
G04-400c	1	3	4				2	8	1
	2	6	7				5	8	1
	3	9	10				11	8	1
	4	12	13				14	8	1

G04-401

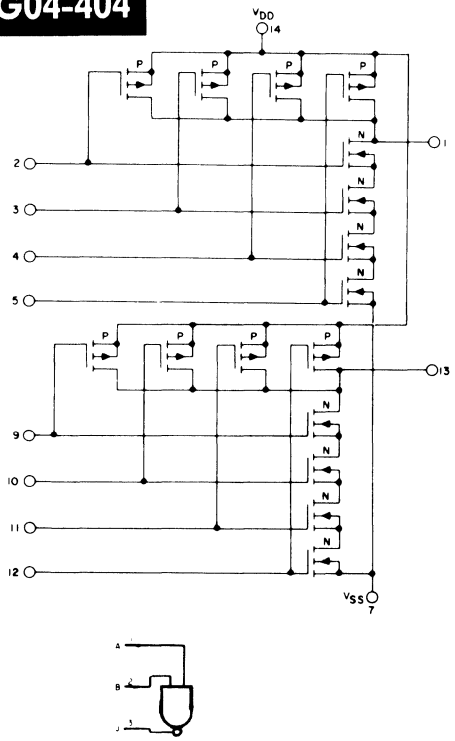


	PKG	CKT	A	B	C	V_{CC}	COM
G04-401	FP	1	1	2	3	4	11
		2	6	7	5		
		3	9	10	8		
		4	12	13	14		
	MP	1	1	2	3	14	7
		2	4	5	6		
		3	9	10	8		
		4	12	13	11		

G04-403

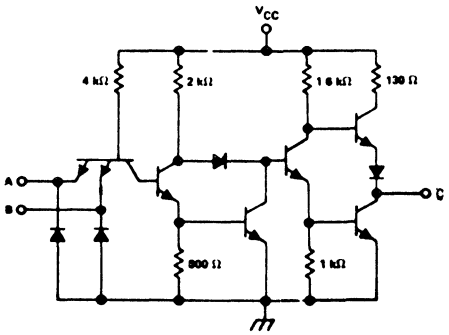


G04-404

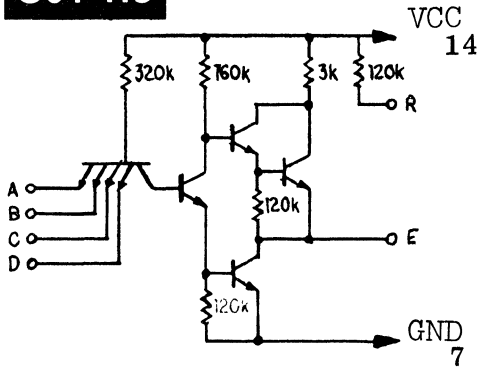


G04-414

	NO.OF CKT.	A	B	C
G04-414	1	1	2	3
	2	4	5	6
	3	9	10	8
	4	12	13	11

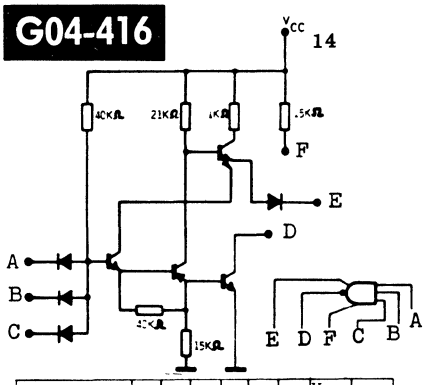


G04-415



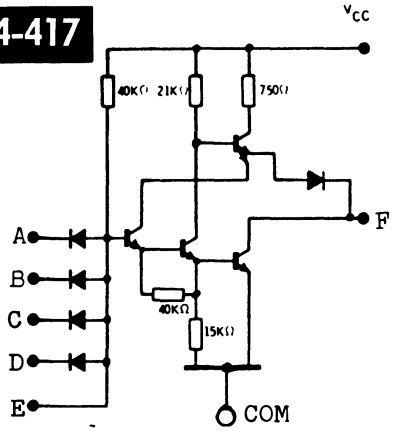
	NO.OF CKTS.	A	B	C	D	E	R
G04-415	1	3	4	5	6	1	2
	2	10	11	12	13	8	9

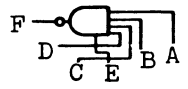
G04-416



NO.OF CKTS	A	B	C	D	E	F	V_{CC}	GND
1	4	5	6	2	1	3	14	7
2	11	12	13	9	8	10		

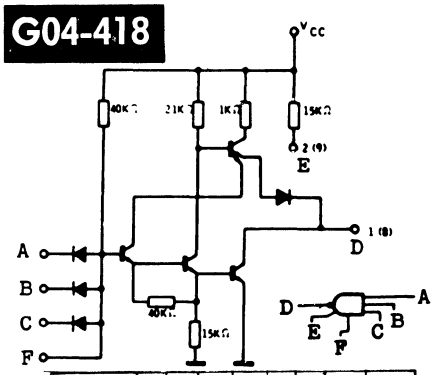
G04-417





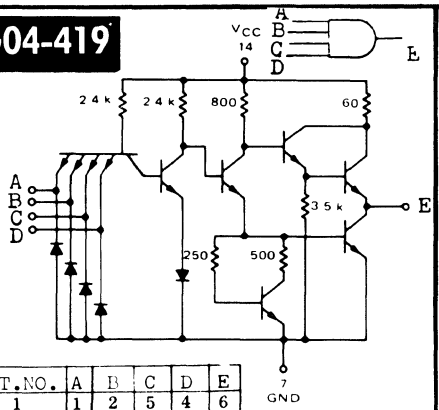
	CKT	A	B	C	D	E	F	V_{CC}	COM
G04-417	1	1	2				3	14	7
	2	4	5				6		
	3	9	10				8		
	4	12	13				11		
G04-417a	1	13	1	2			12	14	7
	2	3	4	5			6		
	3	9	10	11			8		
G04-417b	1	1	2	4	5	3	6	14	7
	2	9	10	12	13	11	8		

G04-418



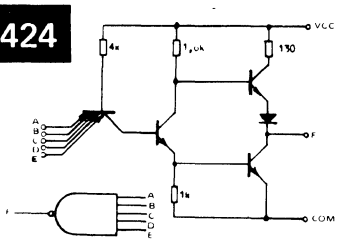
CKT NO.	A	B	C	D	E	F	V_{CC}	GND
1	4	5	6	1	2	3	14	7
2	11	12	13	8	9	10		

G04-419



CKT.NO.	A	B	C	D	E
1	1	2	5	4	6
2	9	10	12	13	8

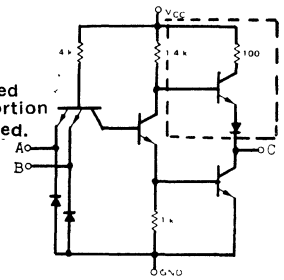
G04-424



	CKT NO	A	B	C	D	E	F	VCC	COM
G04-424	1	1	2	3	4	5	6	14	7
	2	8	9	10	11	12	13		
G04-424a	1	1	2				3	16	8
	2	4					5		
	3	6					7		
	4	10	11				9		
	5	13					12		
	6	15					14		

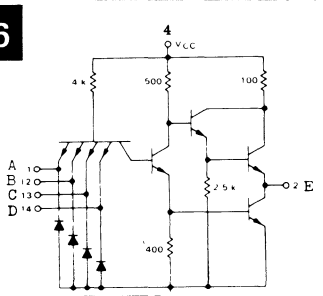
G04-425

G04-425a: Dotted in portion omitted.



	PKG	CKT	A	B	C	GND	VCC
G04-425,a		1	1	2	3	11	4
		2	6	7	5		
		3	9	10	8		
		4	12	13	14		
G04-425b	FC	1	14	1	2	10	3
		2	5	6	4		
		3	8	9	7		
		4	11	12	13		
	FP	1	1	2	3	11	4
		2	6	7	5		
		3	9	10	8		
		4	12	13	14		
G04-425c	FP	1	1	2	3	11	4
		2	6	7	5		
		3	9	10	8		
		4	12	13	14		
	MP	1	2	3	1	7	14
		2	5	6	4		
		3	8	9	10		
		4	11	12	13		
G04-425d	MP	1	2	3	1	7	14
		2	4	5	6		
		3	9	10	8		
		4	12	13	11		

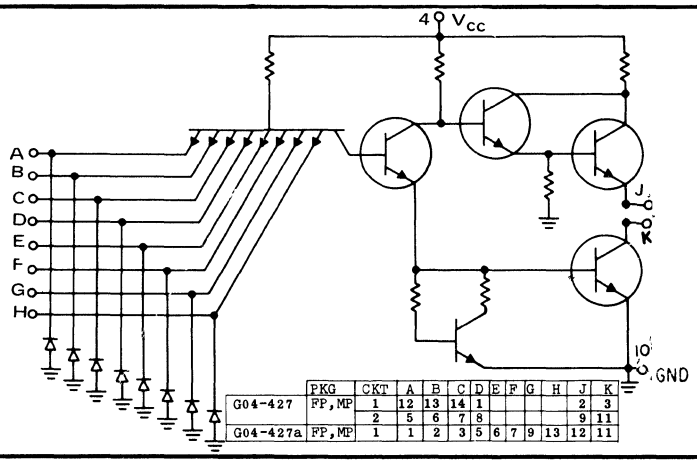
G04-426



	PKG	CKT	A	B	C	D	E	GND	VCC
G04-426		1	1	12	13	14	2	11	4
		2	7	7	8	9	10		
G04-426a	FC	1	14	11	12	13	1	10	3
		2	5	6	7	8	9		
	FP	1	1	12	13	14	2	11	4
		2	6	7	8	9	10		
G04-426b	M	1	2	3			1	11	4
		2	5	6			7		
		3	9	10			8		
		4	12	13			14		

11

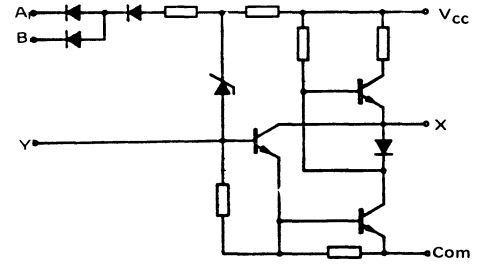
G04-427



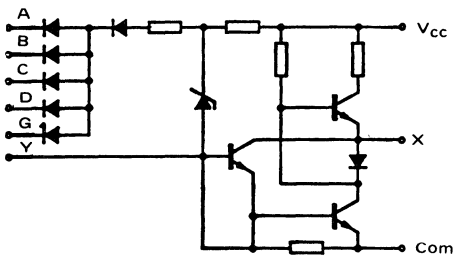
	PKG	CKT	A	B	C	D	E	F	G	H	J	K
G04-427	FP,MP	1	12	13	14	1					2	3
		2	5	6	7	8					9	11
G04-427a	FP,MP	1	1	2	3	5	6	7	9	13	12	11

G04-428

	CKT	A	B	Y	X	VCC	COM
G04-428	1	2	3	1	4	16	8
	2	5	6		7		
	3	11	10		9		
	4	14	13	15	12		
G04-428a	1	2	3		4	16	8
	2	5	6		7		
	3	11	10		9		
	4	14	13		12		

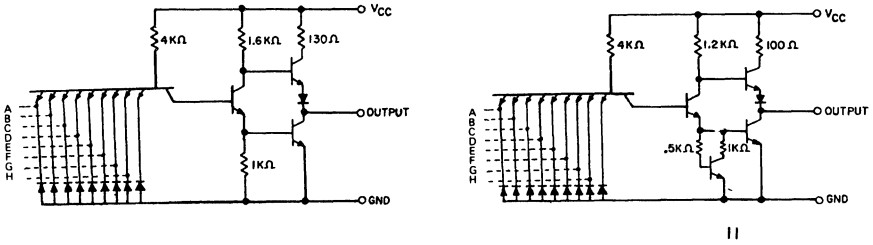


G04-429



	CKT	A	B	C	D	G	Y	X	VCC	COM
G04-429	1	2	3	4	5	6	1	7	16	8
	2	10	11	12	13	14	15	9		
G04-429a	1	2	3	4	5	6		7	16	8
	2	10	11	12	13	14		9		

G04-430

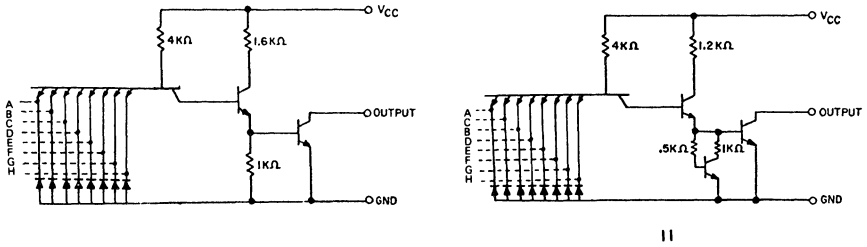


II

CIRCUIT VARIATIONS I or II

	PKG	CKT NO.	A	B	C	D	E	F	G	H	VCC	GND	OUTPUT
G04-430	FP	1	2	3	5	6	7	8	9	10	4	11	12
G04-430a	FP	1	1	12	13	14					4	11	2
		2	6	7	8	9							10
G04-430b	FP	1	1	2	14						4	11	3
		2	6	7	8								5
		3	9	10	12								13
G04-430c	FP	1	1	2							4	11	3
		2	6	7									5
		3	9	10									8
		4	12	13									14
G04-430d	FP	1	1								4	11	14
		2	3										2
		3	5										6
		4	7										8
		5	9										10
		6	13										12
G04-430e	MP	1	1	2	3	4	5	6	11	12	14	7	8
G04-430f	MP	1	1	2	4	5					14	7	6
		2	9	10	12	13							8
G04-430g	MP	1	1	2	13						14	7	12
		2	3	4	5								6
		3	9	10	11								8
G04-430h	MP	1	1	2							14	7	3
		2	4	5									6
		3	9	10									8
		4	12	13									11
G04-430j	MP	1	1								14	7	2
		2	3										4
		3	5										6
		4	9										8
		5	11										10
		6	13										12

G04-431



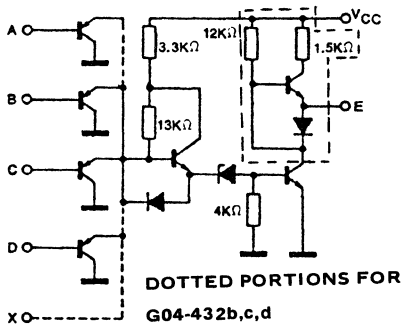
II

CIRCUIT VARIATIONS I or II

	PKG	CKT NO.	A	B	C	D	E	F	G	H	VCC	GND	OUTPUT
G04-431	FP	1	1	2							4	11	3
		2	6	7									5
		3	9	10									8
		4	12	13									14
G04-431a	FP	1	1								4	11	14
		2	3										2
		3	5										6
		4	7										8
		5	9										10
		6	13										12
G04-431b	MP	1	1	2							14	7	3
		2	4	5									6
		3	9	10									8
		4	12	13									11
G04-431c	FP	1	2	3							14	7	1
		2	5	6									4
		3	8	9									10
		4	11	12									13
G04-431d	FP	1	1								14	7	2
		2	3										4
		3	5										6
		4	9										8
		5	11										10
		6	13										12
G04-431e	MP	1	1	2	13						14	7	12
		2	3	4	5								6
		3	9	10	11								8

G04-432

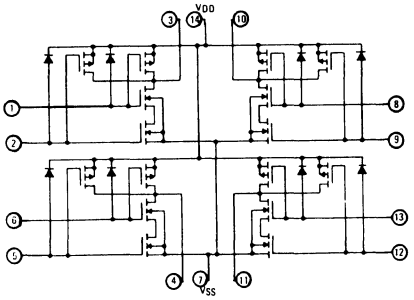
NOTE: OMIT FOR G04-432c



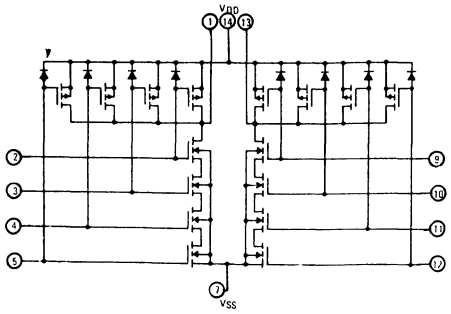
DOTTED PORTIONS FOR G04-432b,c,d

	CKT	A	B	C	D	X	E	VCC	GND
G04-432	1	1	2				3	14	7
	2	4	5				6		
	3	9	10				8		
	4	12	13				11		
G04-432a	1	13	1	2			12	14	7
	2	3	4	5			6		
	3	9	10	11			8		
G04-432b	1	1	2	3	4	3	6	14	7
	2	9	10	12	13	11	8		
G04-432c	1	2				1	3	14	7
	2	5				4	6		
	3	9	10				8		
	4	12	13				11		
G04-432d	1	2				1	3	14	7
	2	5				4	6		
	3	9	10				8		
	4	12	13				11		

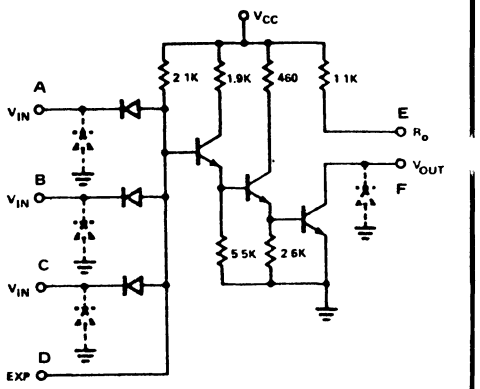
G04-433



G04-434



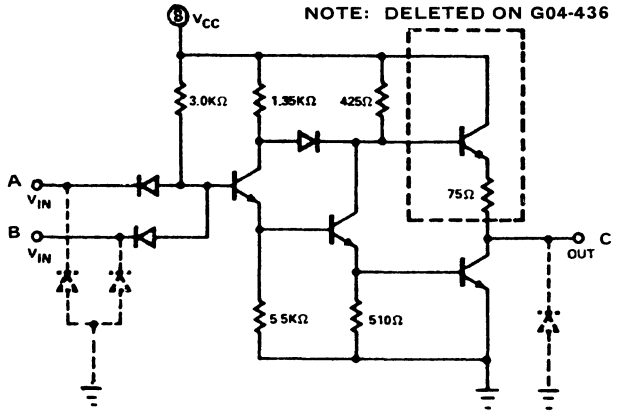
G04-435



	CKT	A	B	C	D	E	F	VCC	GND
G04-435	1	4	5	6	7	3	2	8	1
	2	10	11	12	9	13	14		

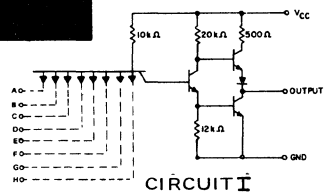
G04-436

NOTE: DELETED ON G04-436

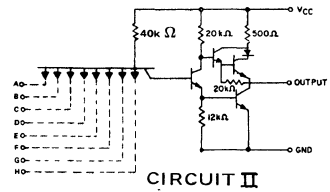


	CKT	A	B	C	VCC	GND
G04-436,a	1	3	4	2	8	1
	2	6	7	5		
	3	9	10	11		
	4	12	13	14		

G04-440



CIRCUIT I

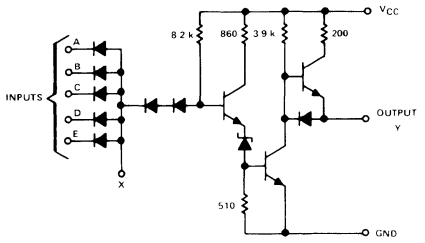


CIRCUIT II

CIRCUIT VARIATIONS I OR II

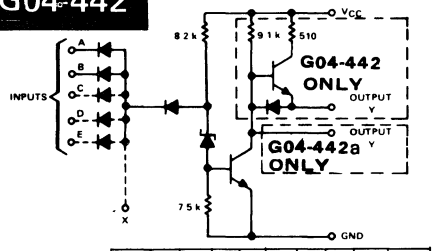
	PKG	CKT	A	B	C	D	E	F	G	H	VCC	GND	OUTPUT
G04-440	FF	1	1	2	3	4	5	6	9	10	4	11	13
	M	1	1	2	3	4	5	6	11	12	14	7	8
G04-440a	FF	1	1	12	13	14					4	11	3
		2	6	7	8	9							10
	M	1	1	2	4	5					14	7	6
		2	9	10	12	13							8
G04-440b	M	1	1	2	14						4	11	3
		2	6	7	8								5
		3	9	10	12								13
	FF	1	1	2	13						14	7	12
		2	3	4	5								6
		3	9	10	11								8
G04-440c	M	1	1	2							4	11	3
		2	6	7									5
		3	9	10									8
		4	12	13									11
	FF	1	1	2							14	7	3
		2	4	5									6
		3	9	10									8
		4	12	13									11
G04-440d	M	1	1								4	11	14
		2	3										2
		3	5										6
		4	7										9
		5	9										10
		6	13										12
	FF	1	1								14	7	2
		2	3										4
		3	5										6
		4	9										8
		5	11										10
		6	13										12

G04-441



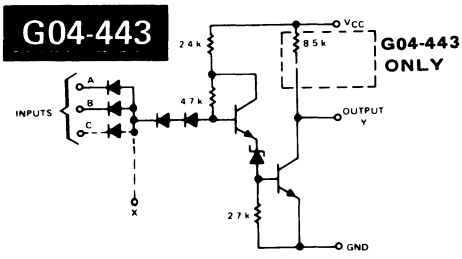
	CKT	A	B	C	D	E	X	Y	GND	VCC
G04-441	1	2	3	4	5	6	7	1	8	16
	2	10	11	12	13	14	9	15	8	16

G04-442



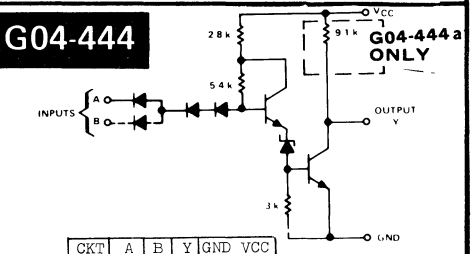
	CKT	A	B	C	D	E	X	Y	GND	VCC
G04-442	1	2	3					1	8	16
	2	6	7				5	4		
	3	10	11					9		
	4	14	15				13	12		
G04-442a	1	2	3					1	8	16
	2	5	6	7				4		
	3	10	11					9		
	4	13	14	15				12		

G04-443



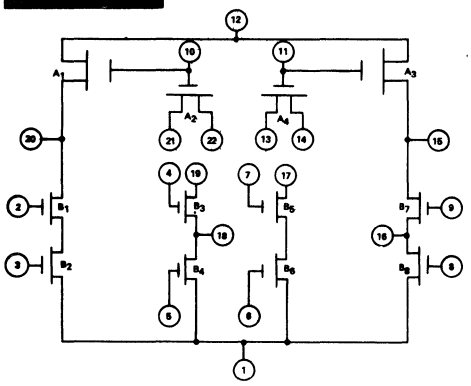
	CKT	A	B	C	X	Y	VCC	GND
G04-443	1	2	3			1	16	8
	2	6	7		5	4		
	3	10	11			9		
	4	14	15		13	12		
G04-443a	1	2	3			1	16	8
	2	5	6	7		4		
	3	10	11			9		
	4	13	14	15		12		

G04-444

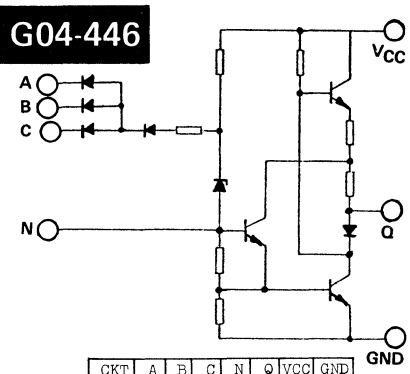


	CKT	A	B	Y	GND	VCC
G04-444	1	1	2	3	8	16
	2	4		5		
	3	6		7		
	4	10		9		
	5	12		11		
	6	14	15	13		
G04-444a	1	1		2	7	14
	2	3		4		
	3	5		6		
	4	9		8		
	5	11		10		
	6	13		12		

G04-445

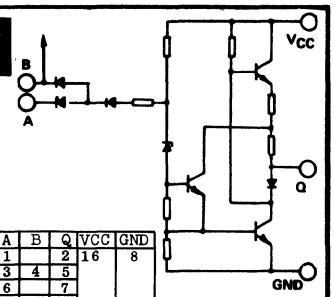


G04-446



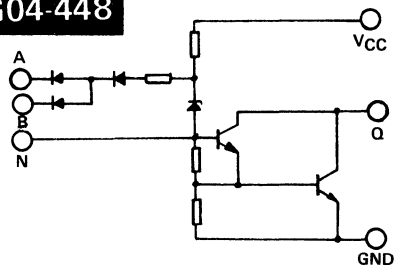
	CKT	A	B	C	N	Q	VCC	GND
G04-446	1	2	3	4	1	5	16	8
	2	7	6	10		9		
	3	12	13	14	15	11		

G04-447



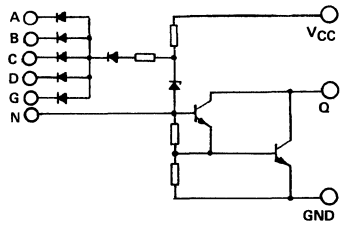
	CKT	A	B	Q	VCC	GND
G04-447	1	1		2	16	8
	2	3	4	5		
	3	6		7		
	4	10		9		
	5	13	12	11		
	6	15		14		
G04-447a	1	1	2	3	16	8
	2	4		5		
	3	6		7		
	4	10		9		
	5	12		11		
	6	14	15	13		

G04-448



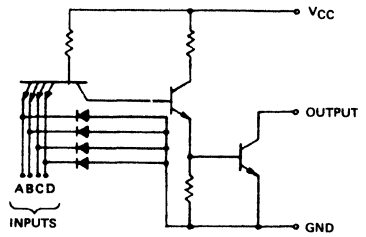
	CKT	A	B	N	Q	VCC	GND
G04-448	1	2	3	1	4	16	8
	2	5	6		7		
	3	10	11		9		
	4	13	14	15	12		

G04-449



	CKT	A	B	C	D	G	N	Q	VCC	GND
G04-449	1	2	3	4	5	6	1	7	16	8
	2	10	11	12	13	14	15	9		

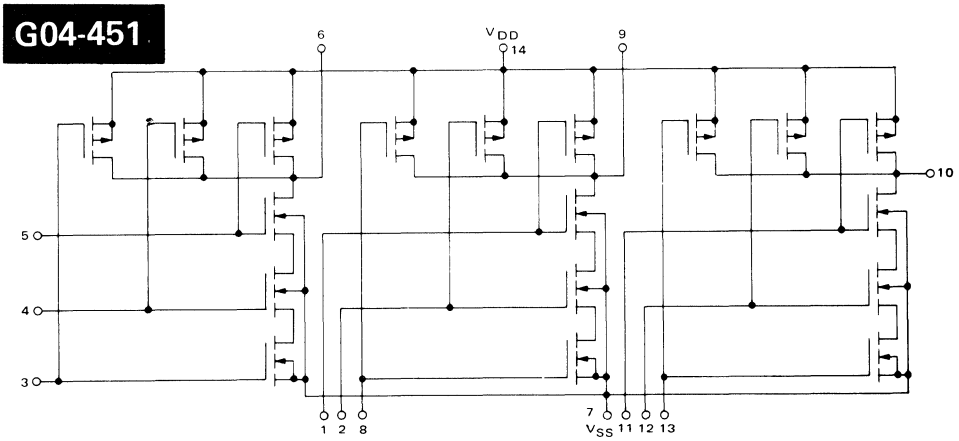
G04-450



OMIT CLAMPING DIODES FOR G04-450e

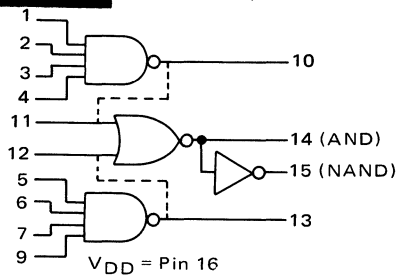
	PKG	CKT NO.	A	B	C	D	OUTP.	VCC	GND
G04-450	FP	1	1	2			3	4	11
		2	6	7			5		
		3	9	10			8		
		4	12	13			14		
	MP	1	1	2			3	14	7
		2	4	5			6		
		3	9	10			8		
		4	12	13			11		
G04-450a	FP	1	1	12	13	14	2	4	11
		2	6	7	8	9	10		
	MP	1	1	2	4	5	6	14	7
		2	9	10	12	13	8		
G04-450b	MP	1	2	3			1	14	7
		2	5	6			4		
		3	8	9			10		
		4	11	12			13		
G04-450c, e	MP	1	1	2	13		12	14	7
		2	3	4	5		6		
		3	9	10	11		8		
G04-450d	MP	1	1	2	13		12	14	7
		2	3	4	5		6		
		3	9	10	11		8		

G04-451



G04-452

Use Dotted Connection Externally.

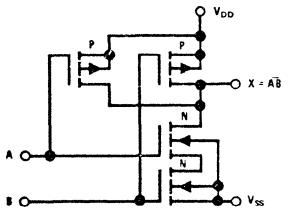


V_{DD} = Pin 16

V_{SS} = Pin 8

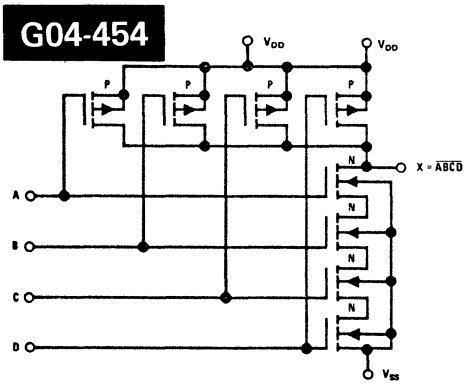
Note: Pin 14 must not be used as an input to the inverter.

G04-453



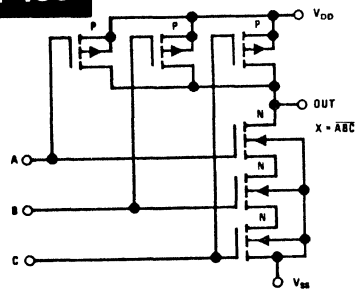
	CKT	A	B	OUTP	VDD	VSS
G04-453	1	1	2	3	14	7
	2	5	6	4		
	3	8	9	10		
	4	12	13	11		

G04-454



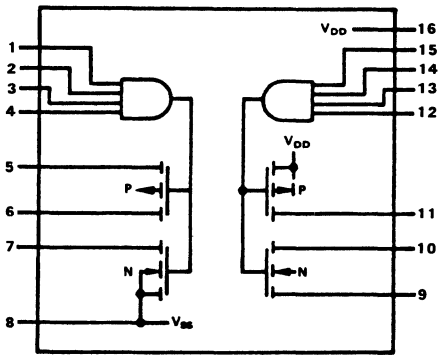
	CKT	A	B	C	D	OUTP	VDD	VSS
G04-454	1	2	3	4	5	1	14	7
	2	9	10	11	12	13		

G04-455

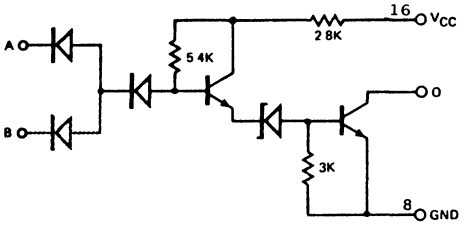


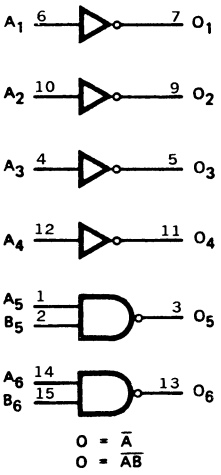
	CKT	A	B	C	OUTP	VDD	VSS
G04-455	1	3	4	5	6	14	7
	2	8	1	2	9		
	3	11	12	13	10		

G04-456



G04-457

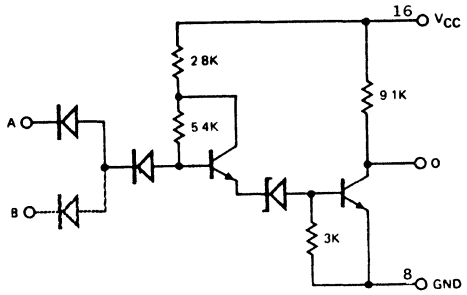


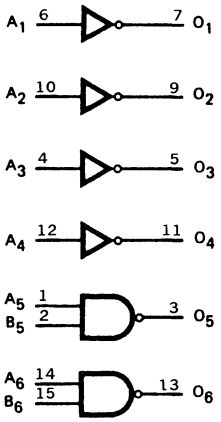


$O = \overline{A}$

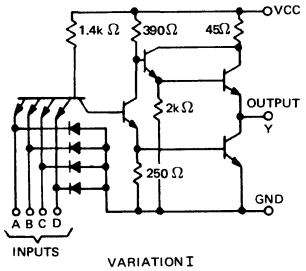
$O = \overline{AB}$

G04-458

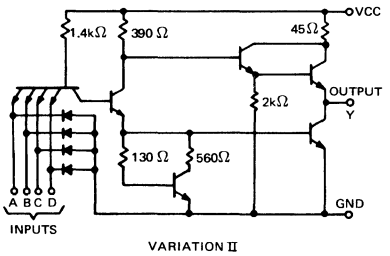




G04-459



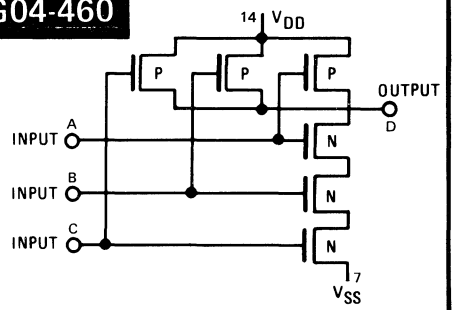
VARIATION I



VARIATION II

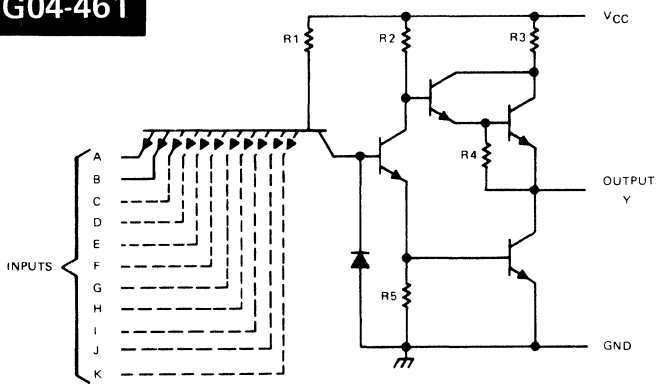
	PKG	CKT	A	B	C	D	Y	VCC	GND
G04-459	FP	1	1	12	13	14	2	4	11
		2	6	7	8	9	10		
	M	1	1	2	4	5	6	14	7
		2	9	10	12	13	8		

G04-460



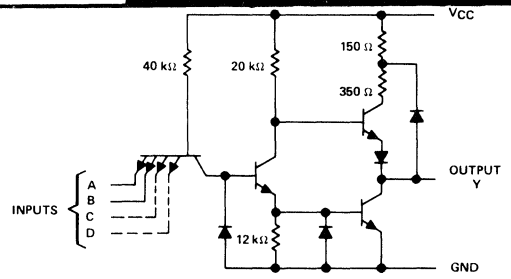
	CKT	A	B	C	D
G04-460	1	3	4	5	6
	2	1	2	8	9
	3	11	12	13	10

G04-461



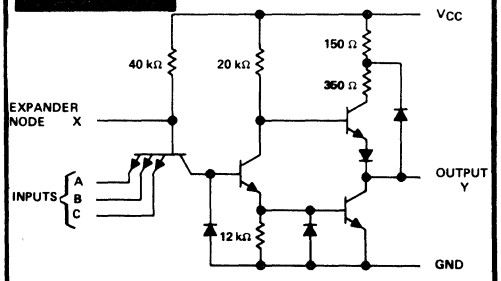
	CKT	A	B	C	D	E	F	G	H	I	J	K	Y
G04-461	1	1	2										3
	2	6	7										5
	3	9	10										8
	4	12	13										14
G04-461a	1	1	2	14									3
	2	6	7	8									5
	3	9	10	12									13
G04-461b	1	1	12	13	14								2
	2	6	7	8	9								10
G04-461c	1	1	2	3	5	6	7	8	9	10	13	14	12

G04-462



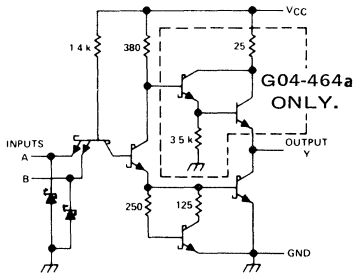
	CKT	A	B	C	D	X	Y
G04-462	1	1	2				3
	2	6	7				5
	3	9	10				8
	4	12	13				14
G04-462a	1	1	2	14			3
	2	6	7	8			5
	3	9	10	12			13
G04-462b	1	1	12	13	14		2
	2	6	7	8	9		10
G04-462c	1	12	13	14			2
	2	6	7	8			10

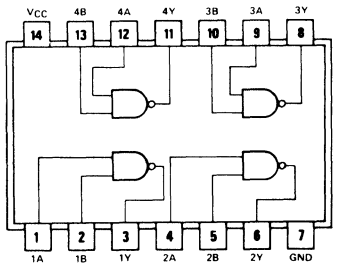
G04-463



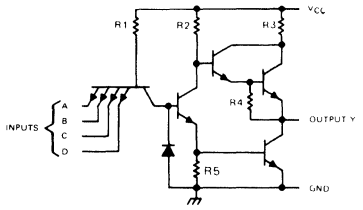
	CKT	A	B	C	X	Y
G04-463	1	12	13	14	1	2
	2	6	7	8	9	10

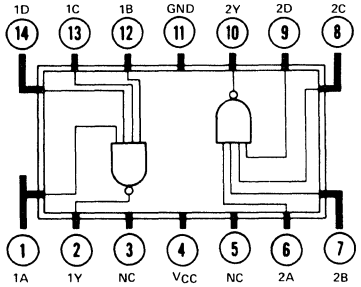
G04-464



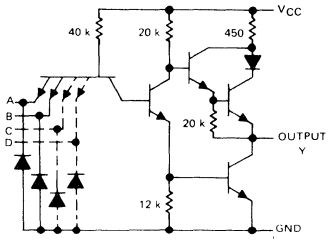


G04-465



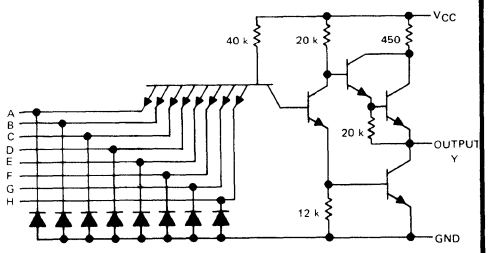


G04-466

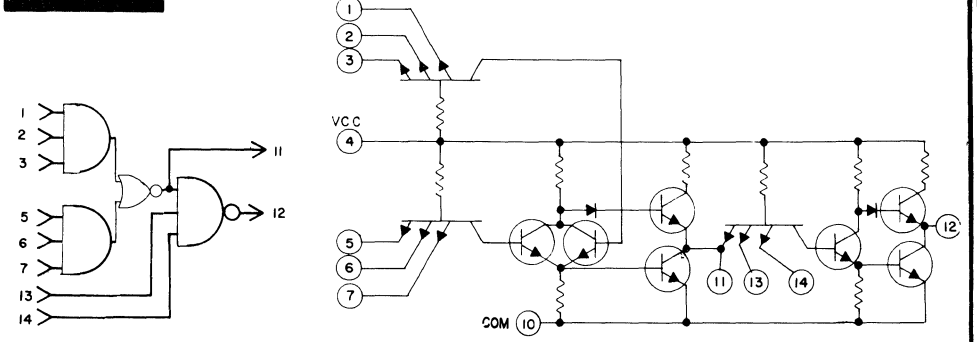


	PKG	CKT	A	B	C	D	Y	VCC	GND
G04-466	FC	1	1	2			3	14	7
		2	4	5			6		
		3	9	10			8		
		4	12	13			11		
G04-466a	FC	1	1	2	4	5	6	14	7
		2	9	10	12	13	8		

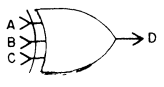
G04-467



GO5-45

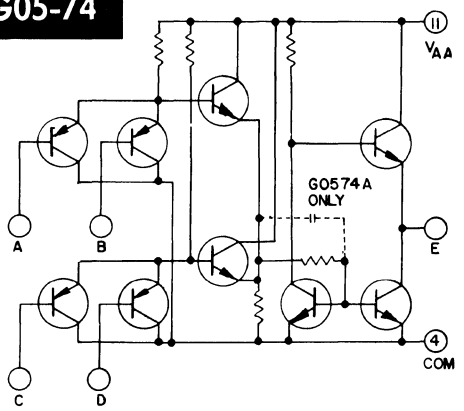


G05-72

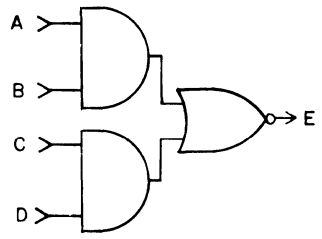


	PKG	CKT	A	B	C	D	VCC	GND
G05-72		1	1	2	3	4		
		2	6	7	8	9		
G05-72a		1	1	2		7		
		2	3	5		6		
G05-72b		1	1	2		3	14	7
		2	4	5		6		
		3	10	9		8		
		4	13	12		11		
G05-72c	FP	1	2	3		1	4	11
		2	5	6		7		
		3	9	10		8		
		4	12	13		14		
	M	1	1	2		3	14	7
		2	5	6		4		
		3	8	9		10		
		4	12	13		11		

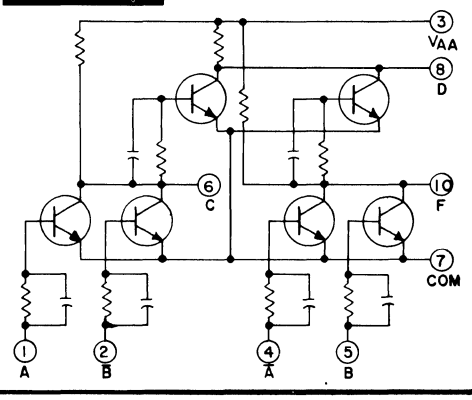
G05-74



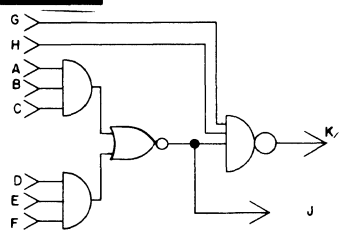
CKT NO	A	B	C	D	E
1	1	2	3	12	14
2	5	10	9	8	7



G05-75

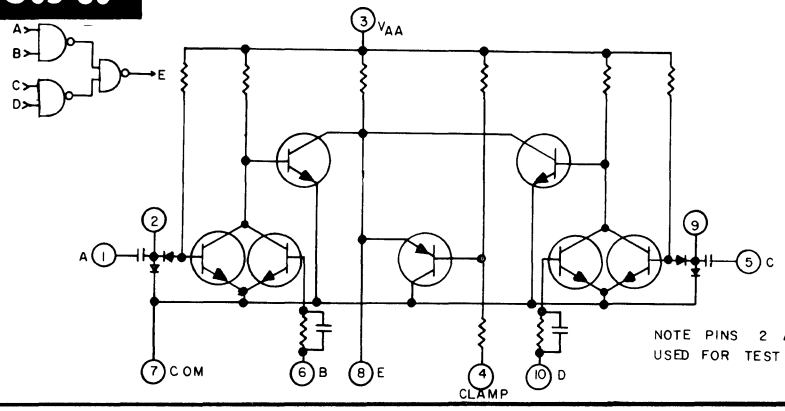


G05-79



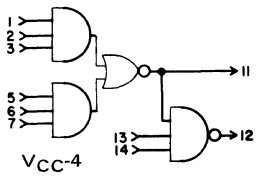
A	B	C	D	E	F	G	H	J	K	V_{BB}	COM	OUTLINE
9	10	11	1	2	3	8	NC	6	7	12	5	CN3A
1	2	3	5	6	7	13	14	11	12	4	10	TC 86

G05-80



NOTE PINS 2 AND 9 ARE USED FOR TEST POINTS

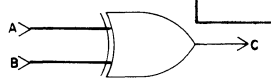
G05-83



V_{CC}-4

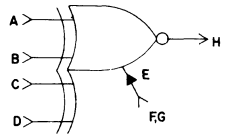
COM-10

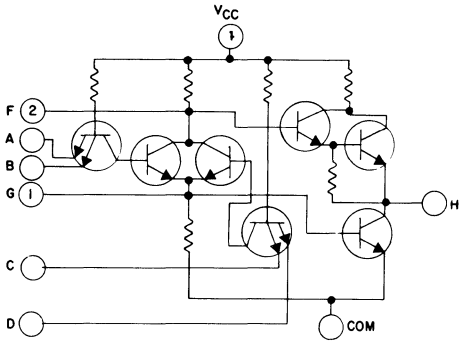
G05-84



G05-84	CKT	A	B	C
	1	E	F	D
	2	L	K	J
	3	R	P	N
	4	V	U	T

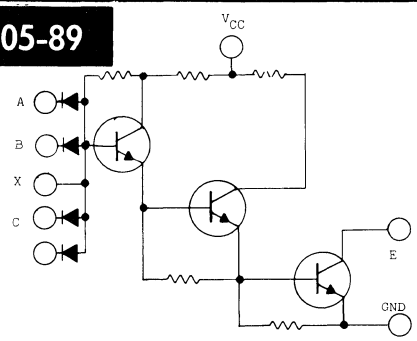
G05-87





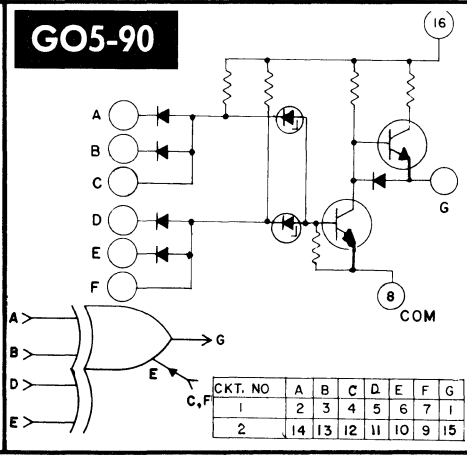
CKT. NO.	TERMINALS									PACKAGE
	A	B	C	D	F	G	H	V_{CC}	COM	
1	3	5	13	14	2	1	12	4	11	FP
2	6	7	8	9			10	4	11	
1	1	13	9	10	12	11	8	14	7	MP
2	2	3	4	5			6	14	7	

G05-89



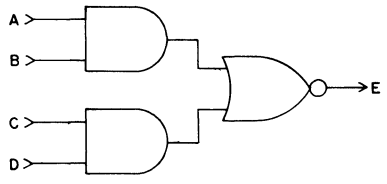
	CKT	A	B	C	D	E	V_{CC}	GND	X
G05-89a	1	1	2	4	5	6	14	7	3
	2	9	10	12	13	8	14	7	11
G05-89b	1	1	2	3		4	10	5	
	2	8	9			6	10	5	7

GO5-90



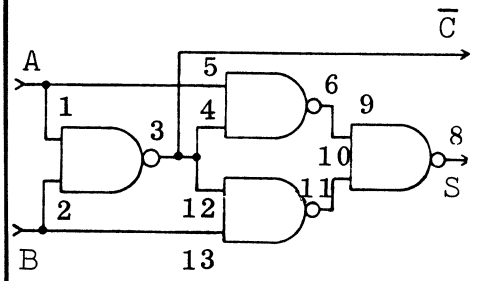
CKT. NO	A	B	C	D	E	F	G
1	2	3	4	5	6	7	1
2	14	13	12	11	10	9	15

GO5-92

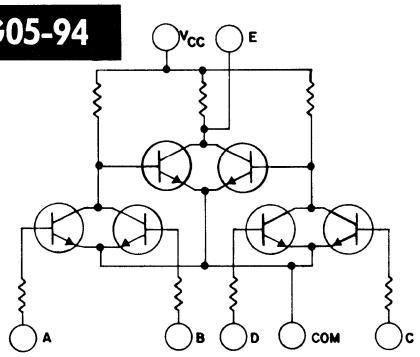


	CKT. NO	A	B	C	D	E	COM	V_{CC}
FP	1	6	7	8	9	10	11	4
	2	13	14	1	2	12		
M	1	1	2	4	5	6	7	14
	2	9	10	12	13	8		

G05-93



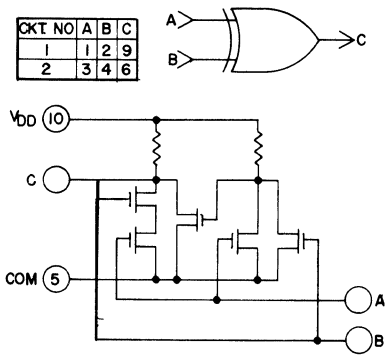
G05-94



	A	B	C	D	E	VCC	COM
G05-94	1	2	4	6	9	10	5
G05-94A	1	2	3	5	6	8	4

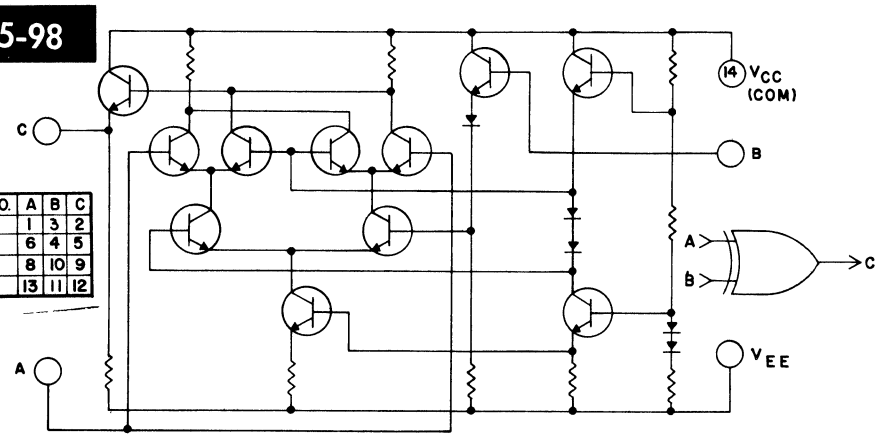
G05-97

CKT NO	A	B	C
1	1	2	9
2	3	4	6



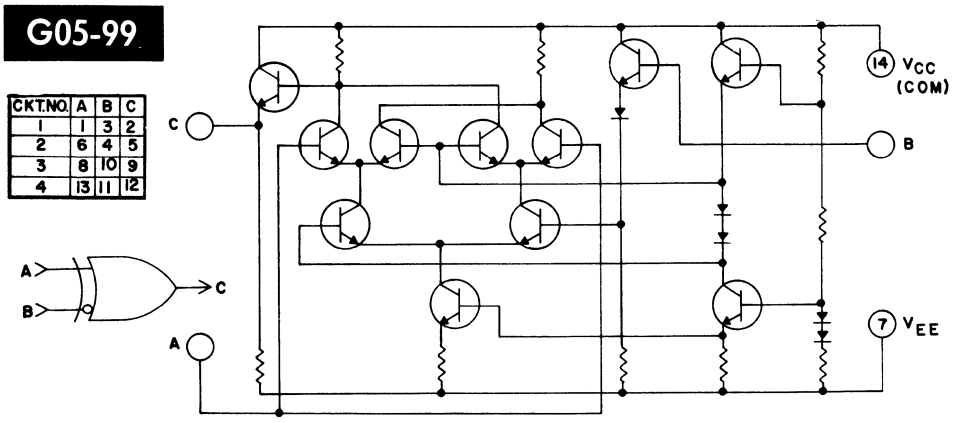
G05-98

CKT. NO.	A	B	C
1	1	3	2
2	6	4	5
3	8	10	9
4	13	11	12

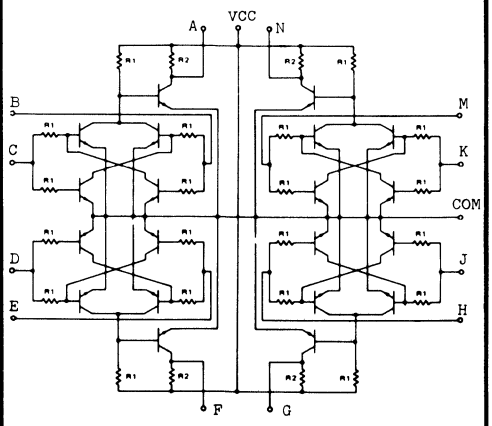


G05-99

CKT.NO.	A	B	C
1	1	3	2
2	6	4	5
3	8	10	9
4	13	11	12

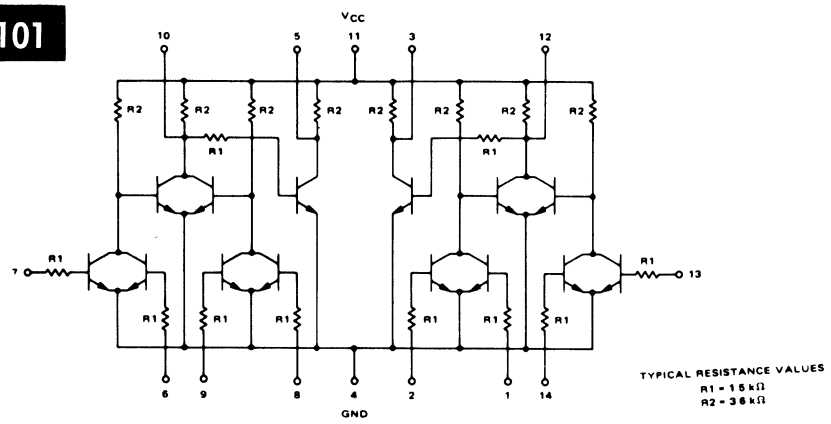


G05-100



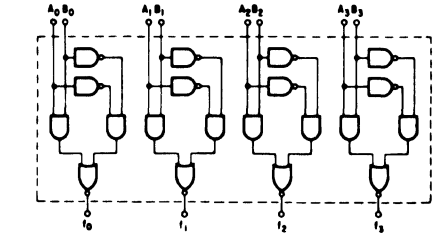
	A	B	C	D	E	F	G	H	J	K	M	N	VCC	COM
G05-100	8	10	9	12	13	14	3	2	1	7	6	5	11	4
G05-100a	11	13	12	1	2	3	6	5	4	10	9	8	14	7

G05-101



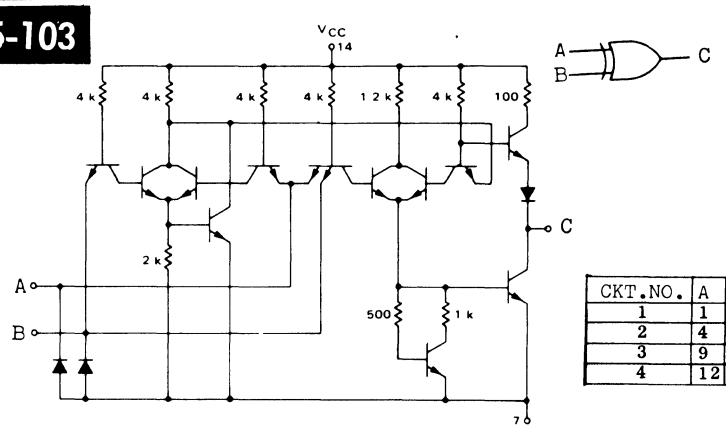
TYPICAL RESISTANCE VALUES
R1 = 15 kΩ
R2 = 36 kΩ

G05-102



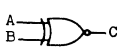
	PKG	CKT	A	B	F	V_{CC}	GND
G05-102	MP	1	1	2	3	14	7
		2	6	5	4	14	7
		3	8	9	10	14	7
		4	13	12	11	14	7
	FP	1	5	6	7	4	11
		2	10	9	8	4	11
		3	12	13	14	4	11
		4	3	2	1	4	11

G05-103

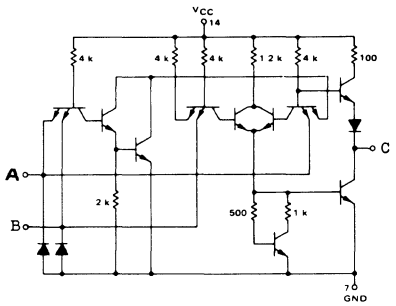


CKT.NO.	A	B	C
1	1	2	3
2	4	5	6
3	9	10	8
4	12	13	11

G05-104

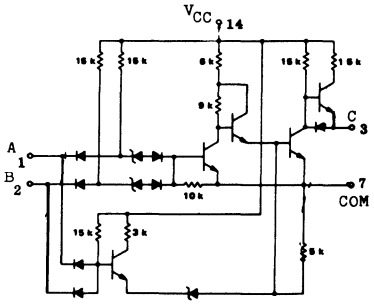


CKT.NO.	A	B	C
1	1	2	3
2	4	5	6
3	9	10	8
4	12	13	11

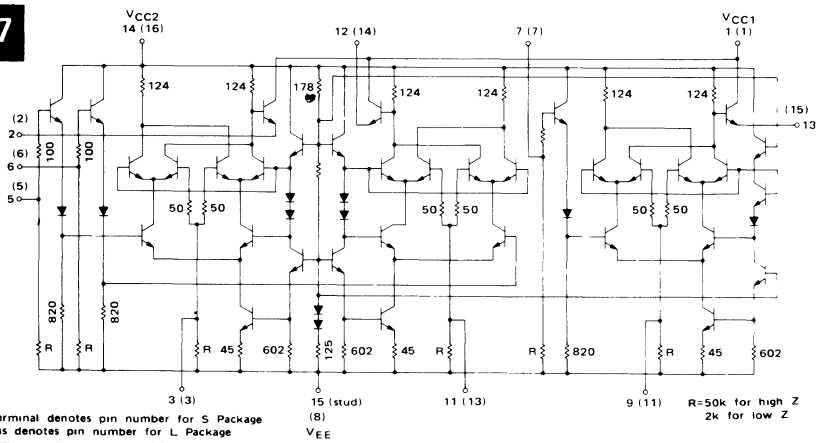


G05-106

	CKT	A	I	C
G05-106	1	1	2	3
	2	4	5	6
	3	9	10	8
	4	12	13	11



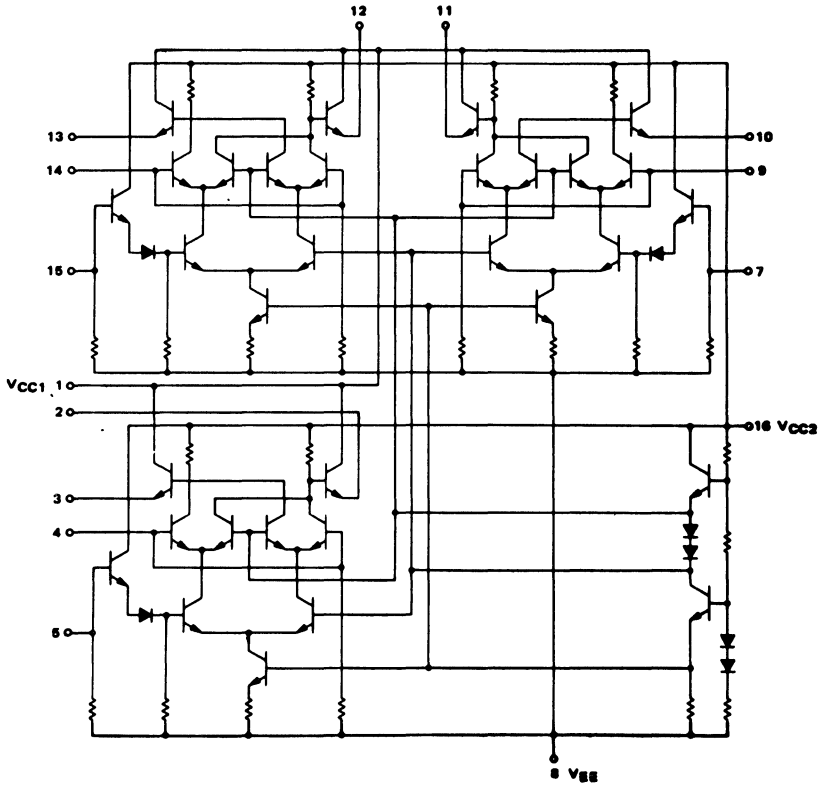
G05-107



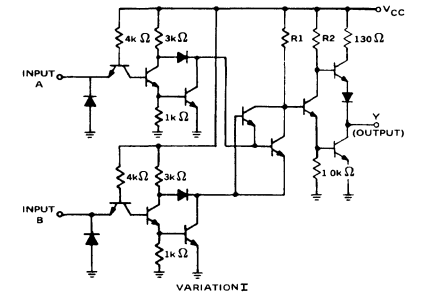
Number at end of terminal denotes pin number for S Package
Number in parenthesis denotes pin number for L Package

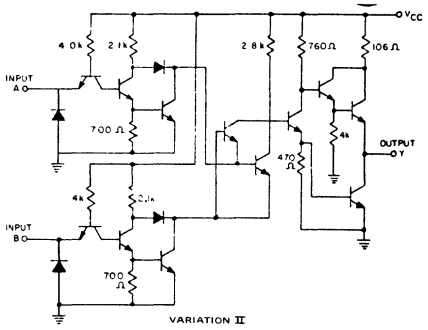
R=50k for high Z
2k for low Z

G05-108

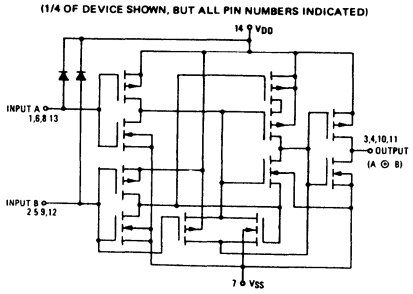


G05-109

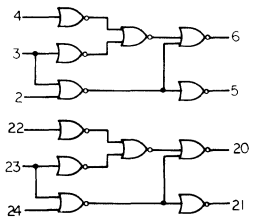




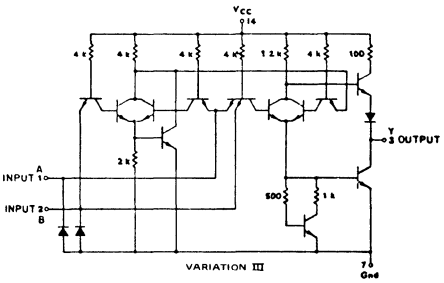
G05-110



G05-111



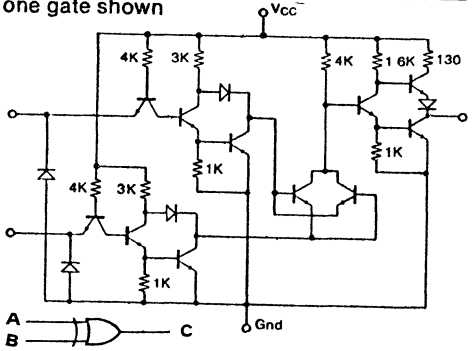
V_{SS} 1
V_{DD} 13
ϕ_1 12
ϕ_2 14



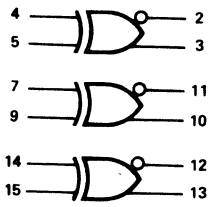
G05-112

G05-112	CKT	A	B	C	VCC	GND
	1	1	2	3	14	7
	2	4	5	6		
	3	9	10	8		
	4	12	13	11		

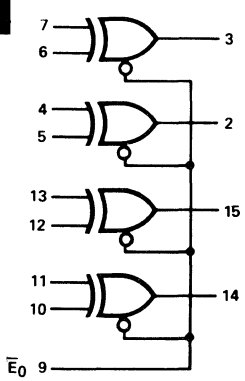
one gate shown



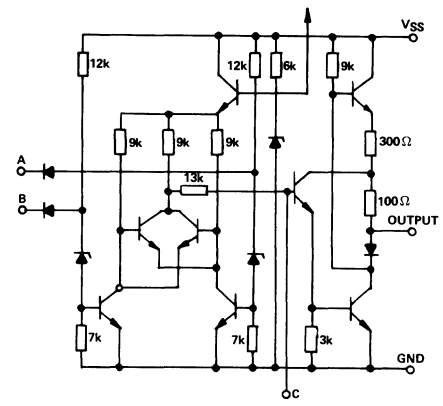
G05-113



G05-114

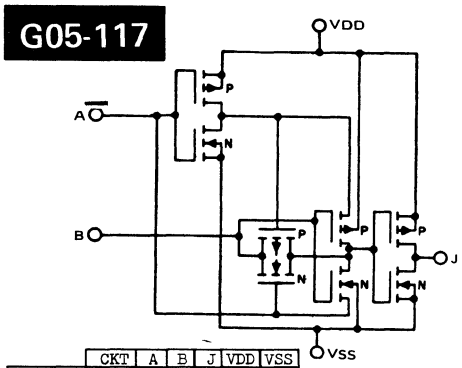


G05-116



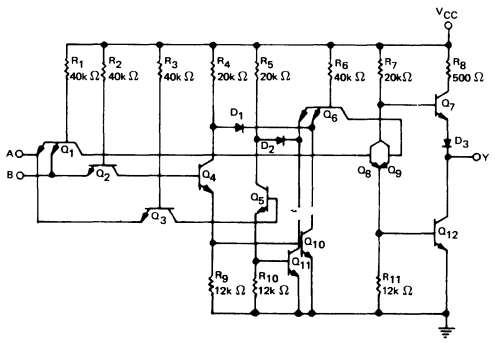
	CKT	A	B	C	OUTPUT	VSS	GND
G05-116	1	2	3	1	4	16	8
	2	5	6		7		
	3	10	11		9		
	4	13	14	15	12		

G05-117



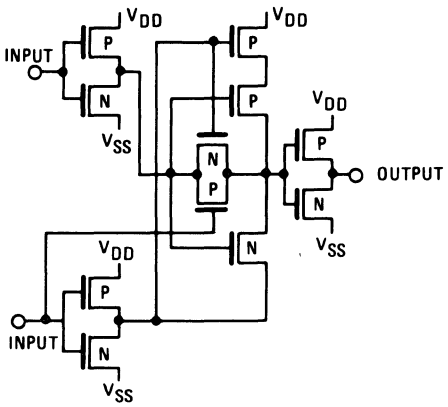
	CKT	A	B	J	VDD	VSS
G05-117	1	1	2	3	14	7
	2	5	6	4		
	3	8	9	10		
	4	12	13	11		

G05-118

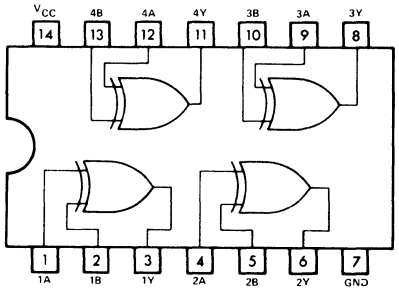


	CKT	A	B	Y	VCC	GND
G05-118	1	2	3	1	4	11
	2	5	6	7		
	3	9	10	8		
	4	12	13	14		

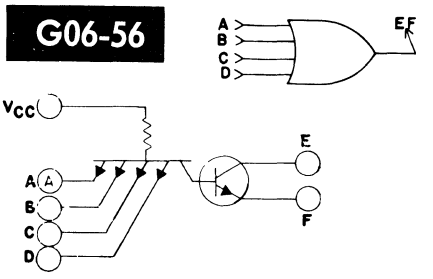
G05-119



G05-120

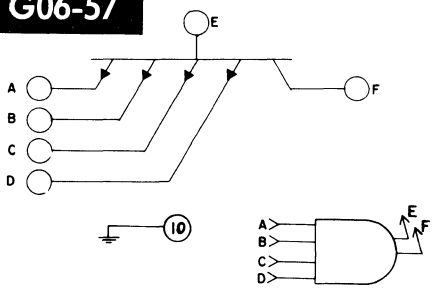


G06-56



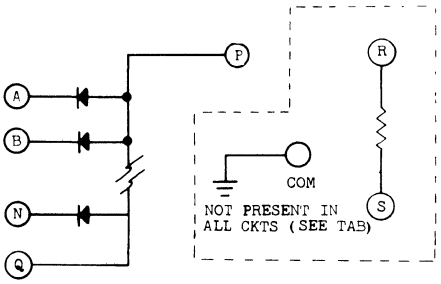
	OUTLINE	CKT.NO.	A	B	C	D	E	F	VCC	COM
G06-56	FP	1	14	1	2	3	12	13	4	10
		2	8	7	6	5	11	9	4	10
G06-56a	MP	1	13	1	2	3	11	12	14	
		2	4	5	6	8	10	9	14	
G06-56b	MP	1	5	6	7	8	11	9	4	10
		2	1	2	3	4	12	13	4	10
G06-56c	FP	1	3	5	6	7	2	1	4	11
		2	8	9	10	12	13	14	4	11

G06-57



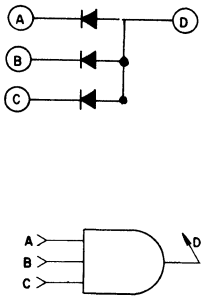
	CKT	TERM	A	B	C	D	E	F
G06-57	1		1	2	3	14	13	12
	2		5	6	7	8	9	11

G06-61



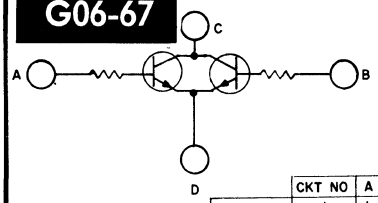
	CKT	A	B	C	D	E	F	G	H	J	K	M	N	P	Q	R	S	COM	VCC
G06-61	1	5	6	7	8	9								10				11	
	2	1	2	3	13	14								12				11	
G06-61b	1	1	2	3	4	5	6	7	8	9	12	13	14	10				11	
G06-61c	1	3	4											2				1	
	2	5	6											7				1	
	3	10	11											9				1	
	4	12	13											14				1	
G06-61d	1	3	4	5	6	7								2				1	
	2	9	10	11	12	13								14				1	
G06-61e	1	41	40	39										37					
	2	36	35	34										33					
	3	32	31	30										29					
	4	28	27	26										25					
	5	24	23	22										21					
	6	20	18	19										17					
	7	16	15	14										13					
	8	12	11	10										9					
	9	8	7	6	5									4					
G06-61f	1	4	5	6	7	8								9					
	2	10	11	12	13	14								15					
	3	16	17	18	19	20								21					
	4	22	23	24	25	26								27					
	5	28	29	30	31	32								33					
	6	34	35	36	37	38								39					
	7	40												41					
G06-61g	1	3	4	5	6	7	8							10				1	
G06-61h	1	2	3	10										4		9	2	1	
	2	7	8	9										5		9	2	1	
G06-61j	1	10	11	12	13									9				14	
	2	2	3	4										1				14	
	3	5	7	8										6				14	
G06-61k	1	3	4	5	6	7	8							10		9	2	1	
G06-61m	1	10	2	3										4				1	
	2	7	8	9										5				1	
G06-61s	1	1	2	3	13	14								12				11	
	2	5	6	7	8	9								10				11	
G06-61t	1	1	2											3				11	
	2	6	7											5				11	
	3	8	9											10				11	
	4	13	14											12				11	
G06-61w	1	16	17	19	20									18					
	2	21	22	23										24					
	3	25	26	27										28					
	4	29	30	31										32					
	5	1	3											2					
	6	6	5											4					
	7	7	9											8					
	8	10	11											12					
	9	13	15											14					
G06-61y	1	2	3	4	5	6									1			7	14
	2	9	10	11	12	13									8				

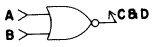
G06-64



DWG NO	CKT NO	A	B	C	D
G0664	1	6	7	8	5
	2	10	11	12	9
	3	14	15	16	13
	4	18	19		17
GO 664 A	1	2	4		5
	2	6	7		8
	3	9	10		11
	4	12	13		14
	5	15	16	17	18
	6	19	20	21	22
	7	23	24	25	26
	8	27	28	29	30
	9	31	32	33	35

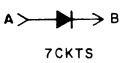
G06-67





	CKT NO	A	B	C	D	
G06-67	1	1	2	7	4	
	2	5	3	6	4	
G06-67A	1	1	2	7	4	CN
	2	5	3	6	4	
	1	2	3	9	5	FP
	2	4	7	8	5	
G06-67B	1	1	2	9	5	
	2	6	4	7	5	
G06-67C	1	1	2	8		
	2	4	6	7	5	
	3	3	NC	9		

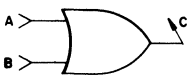
G06-71

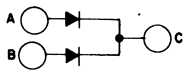


7CKTS

CKT. NO.	A	B
1	D	E
2	F	H
3	J	K
4	L	M
5	N	P
6	R	S
7	T	U

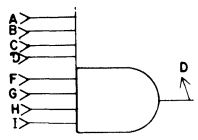
G06-72



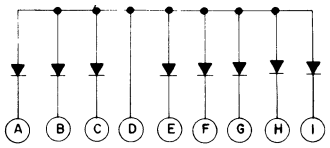


	CKT TERM	A	B	C
G0672	1	D	E	F
	2	H	J	K
	3	L	M	N
	4	P	R	S
	5	T	U	V
G0672A	1	3	4	5
	2	6	7	8
	3	9	10	11
	4	12	13	14
	5	15	16	17
	6	18	19	20
	7	21	22	23
	8	24	25	26
	9	27	28	29
	10	30	31	32

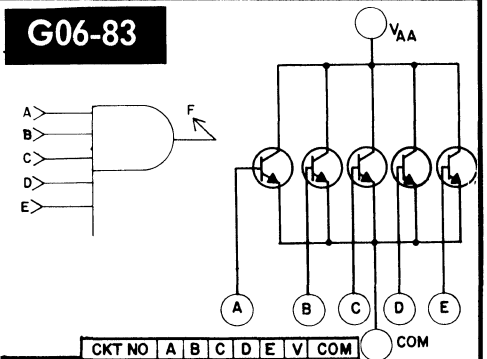
G06-74



	A	B	C	D	E	F	G	H	I
G0674	1	2	3	4	5	6	7	8	9
G0674A	1	2	3	4	NC	6	7	NC	NC

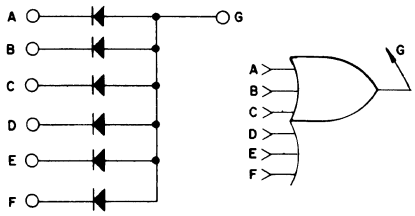


G06-83



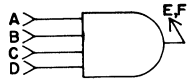
	CKT NO	A	B	C	D	E	V	COM
G06-83	1	6	7	8	9	10	5	4
G06-83A	1	4	5	6	7	10	1	3
G06-83B	1	1	2	3	13	14	4	12
	2	6	8	9	10		5	11

G06-86



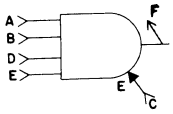
	CKT \ TERM	A	B	C	D	E	F	G
G0686		1	2	3	4	5	6	7
G0686A		1	2	3	4	5		6
G0686B	1	3	4	5	6			7
	2	8	9	10	11			12
	3	13	14	15	16			17
	4	18	19	20	21			22
	5	23	24	25	26			27
	6	28	29	30	31			32
G0686C	1	3	4					5
	2	6	7					8
	3	9	10					11
	4	12	13					14
	5	15	16					17
	6	18	19					20
	7	21	22					23
	8	24	25					26
	9	27	28					29
	10	30	31					32

G06-87



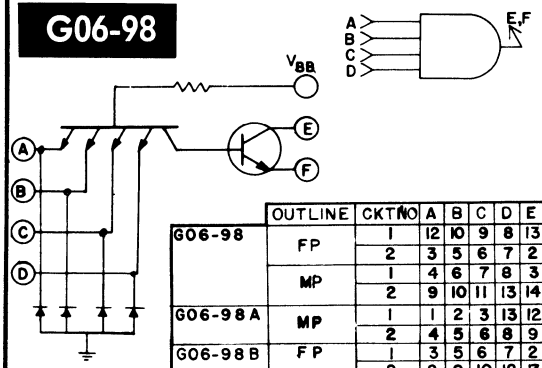
	CKT. NO.	A	B	C	D	E	F	COM
G06-87	1	14	1	2	3	12	13	10
	2	5	6	7	8	11	9	
G06-87A	1	1	8	7	6	3	2	4

G06-94



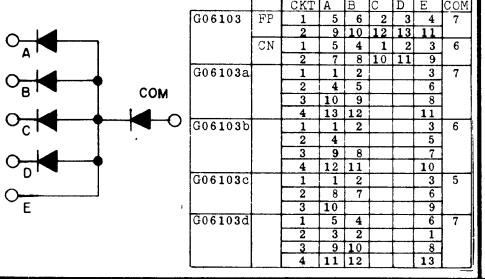
	CKT	A	B	C	D	E	F	
G06-94	1	10	1	2	3	4	5	CN
	2		9	8	7	6	5	
	1	2	3	4	5	6		FP
	2	9	10	11	12	13		
G06-94a	1	10	1	2	3	4		CN
	2		9	8	7	6		
G06-94b	1	2	3	4	5	6		FP, M
	2	9	10	11	12	13		
G06-94c	1	1	2	3	4	5		CN
	2	7	8	9	10	11		
G06-94d	1	2	3	4	5	6	7	FP
	2	13	12	11	10	9	7	M
G06-94e	1	45	44	41	46	49	40	
	2	48	47	42	50	43	39	
	3	33	32	29	34	37	28	
	4	36	35	30	38	31	27	
	5	21	20	17	22	25	16	
	6	24	23	18	26	19	15	
	7	9	8	5	10	13	4	
	8	12	11	6	14	7	3	

G06-98



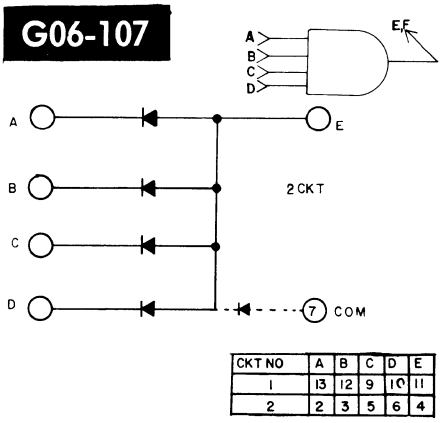
	OUTLINE	CKT NO	A	B	C	D	E	F	V_{BB}	COM
G06-98	FP	1	12	10	9	8	13	14	4	
		2	3	5	6	7	2	1		
	MP	1	4	6	7	8	3	2	5	
		2	9	10	11	13	14	15		
G06-98A	MP	1	1	2	3	13	12	11	14	
		2	4	5	6	8	9	10		
G06-98B	FP	1	3	5	6	7	2	1	4	11
		2	8	9	10	12	13	14		
	MP	1	1	2	3	13	12	11	14	7
		2	4	5	6	8	9	10		

G06-103



		CKT	A	B	C	D	E	COM
G06103	FP	1	5	6	2	3	4	7
		2	9	10	12	13	11	
	CN	1	5	4	1	2	3	6
		2	7	8	10	11	9	
G06103a		1	1	2			3	7
		2	4	5			6	
		3	10	9			8	
		4	13	12			11	
G06103b		1	1	2			3	6
		2	4				5	
		3	9	8			7	
		4	12	11			10	
G06103c		1	1	2			3	5
		2	8	7			6	
		3	10				9	
G06103d		1	5	4			6	7
		2	3	2			1	
		3	9	10			8	
		4	11	12			13	

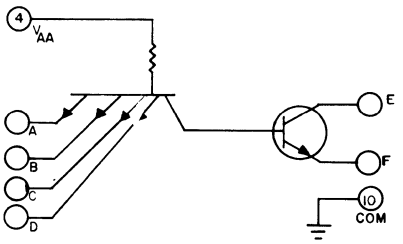
G06-107



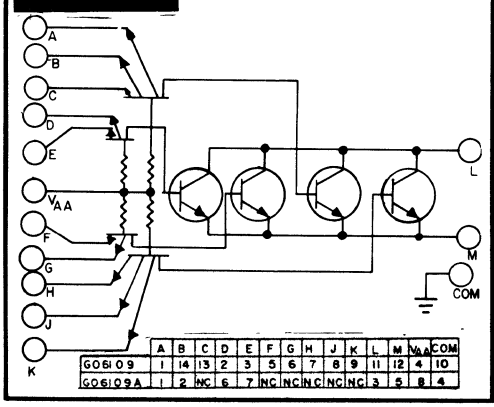
CKT NO	A	B	C	D	E
1	13	12	9	10	11
2	2	3	5	6	4

G06-108

CKT NO.	A	B	C	D	E	F
1	14	1	2	3	12	13
2	5	6	7	8	11	9

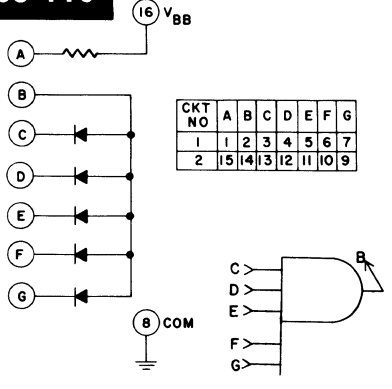


G06-109



	A	B	C	D	E	F	G	H	J	K	L	M	V_{AA}	COM
G06109	1	14	13	2	3	5	6	7	8	9	11	12	4	10
G06109A	1	2	NC	6	7	NC	NC	NC	NC	NC	3	5	8	4

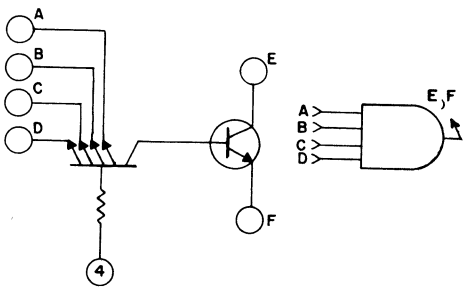
G06-110



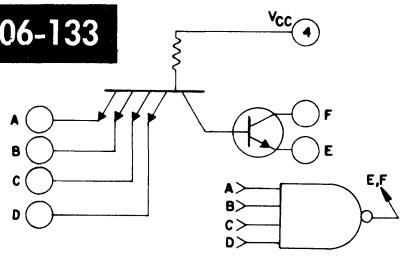
CKT NO	A	B	C	D	E	F	G
1	1	2	3	4	5	6	7
2	15	14	13	12	11	10	9

G06-111

CKT. NO	A	B	C	D	E	F
1	5	6	7	8	11	9
2	1	2	3	14	12	13

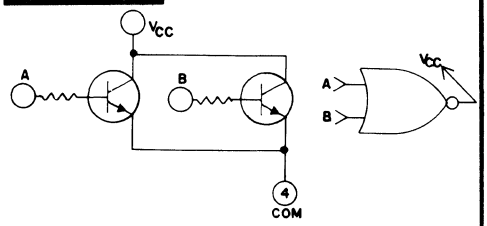


G06-133



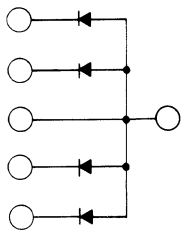
	CKT NO	A	B	C	D	E	F	COM	Vcc
G06-133	1	3	5	6	7	2	1	11	4
	2	8	9	10	12	13	14		
G06-133A	1	1	2	3	13	12	11	7	14
	2	4	5	6	8	9	10		
G06-133B	1	1	2	3	13	11	12	7	14
	2	4	5	6	8	10	9		

G06-134

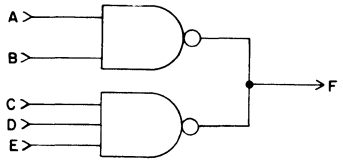


	CKT NO.	A	B	C
G06-134	1	1	2	7
	2	3	5	6
G06-134A	1	1	2	3
	2	6	7	5
	3	9	10	8
	4	12	13	14

G06-136

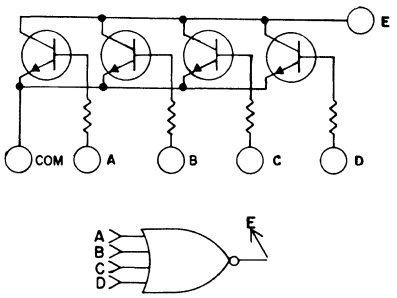


G06-141



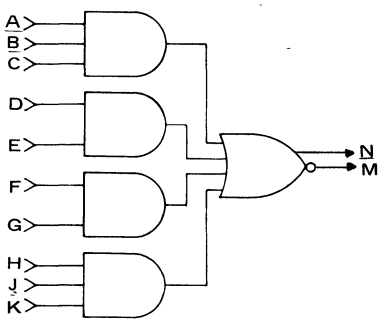
CKT NO	A	B	C	D	E	F
1	13	14	1	2	3	12
2	8	9	5	6	7	11

G06-142



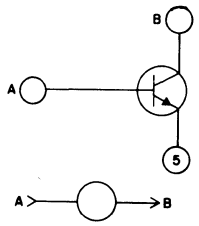
	CKT	PACKAGE	A	B	C	D	E	V_{CC}	COM
G06-142	1	TO99	1	2			7		
	2		3	5			6	8	4
	1	TO91	1	2			9		
	2		4	6			7	10	5
G06-142a	1	TO86	2	3	5	6	1	14	7
	2		8	9	10	12	13		
G06-142b	1	TO86	1	2			3	14	7
	2		4	5			6		
	3		9	10			8		
	4		12	13			11		
G06-142c	1	MP	2	3	13	14	12	11	4
	2		5	6	7	9	10		
G06-142d	1	MP	14				1	11	4
	2		13				2		
	3		12				3		
	4		10				5		
	5		9				6		
	6		8				7		
G06-142e	1	TO86	3				4	14	7
	2		2				5		
	3		1				6		
	4		13				8		
	5		12				9		
	6		11				10		
G06-142f	1	MP	1	2			3	11	4
	2		6	7			5		
	3		9	10			8		
	4		12	13			14		

G06-143



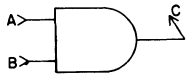
	PKG	A	B	C	D	E	F	G	H	J	K	M	N	V_{CC}	COM
G06-143		1	13	14	2	3	5	6	7	8	9	11	12	4	10
G06-143A	FP	1	13	14	2	3	5	6	7	8	9	10	12	4	11
	MP	3	4	5	1	2	12	13	9	10	11	6	8	14	7

G06-149



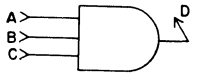
CKT NO	A	B
1	2	1
2	4	3
3	6	8
4	7	9

G06-152



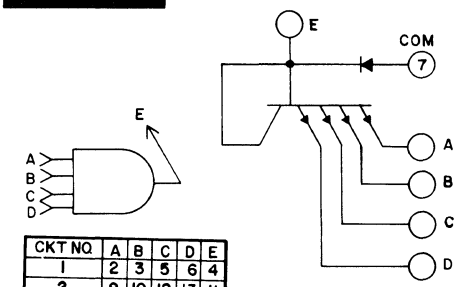
	CKT NO.	A	B	C	COM
MP	1	3	4	2	1
	2	5	6	7	
	3	13	12	14	
	4	11	10	9	
FP	1	1	2	3	11
	2	6	7	5	
	3	8	9	10	
	4	13	14	12	

G06-153



	CKT NO.	A	B	C	D
G06-153	1	6	7		5
	2	2	3	4	1
	3	9	10		8
	4	D	E	F	C
	5	12	13		11
	6	J	K	L	H
	7	15	16		14
	8	N	P	R	M
	9	18	19		17
	10	T	U	V	S
	11	21	22		20
	12	X	Y	Z	W

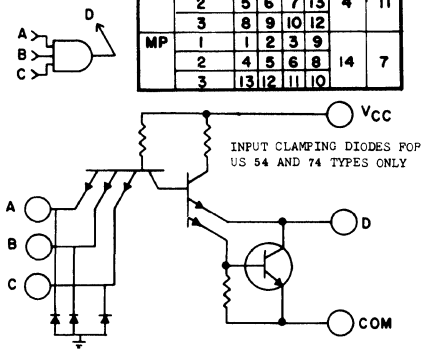
G06-156



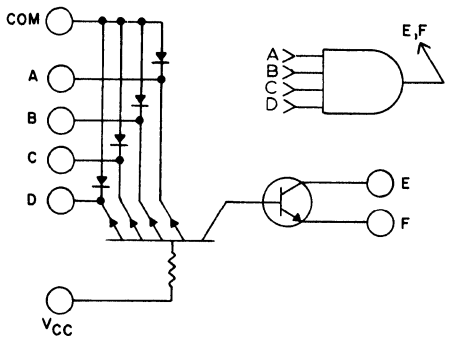
CKT NO	A	B	C	D	E
1	2	3	5	6	4
2	9	10	12	13	11

G06-157

PKG	CKT NO	A	B	C	D	V_{CC}	COM
FP	1	1	2	3	14	4	11
	2	5	6	7	13		
	3	8	9	10	12		
MP	1	1	2	3	9	14	7
	2	4	5	6	8		
	3	13	12	11	10		



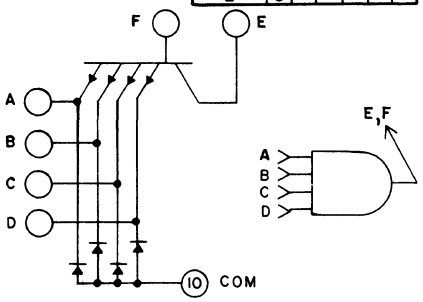
G06-159



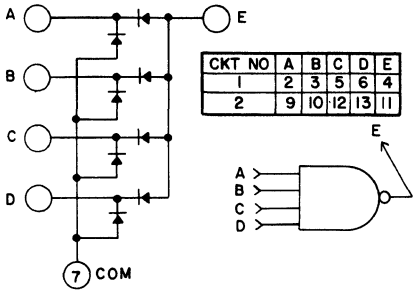
	CKT	A	B	C	D	E	F	V_{CC}	COM
G06-159	1	14	1	2	3	12	13	4	10
	2	8	7	6	5	11	9		
G06-159a	1	1	2	3	13	11	12	14	7
	2	4	5	6	8	9	10		
G06-159b	1	7	6	5	3	2	1	4	11
	2	12	10	9	8	13	14		
G06-159c	1	13	3	2	1	12	11	14	7
	2	8	6	5	4	9	10		

G06-160

CKT NO.	A	B	C	D	E	F
1	14	1	2	3	12	13
2	8	7	6	5	11	9

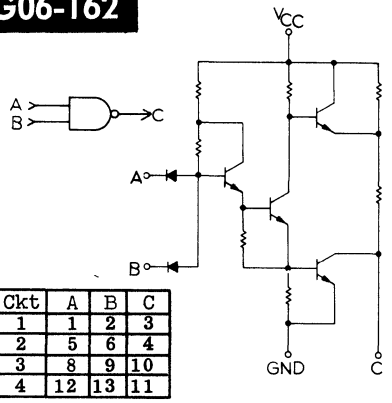


G06-161



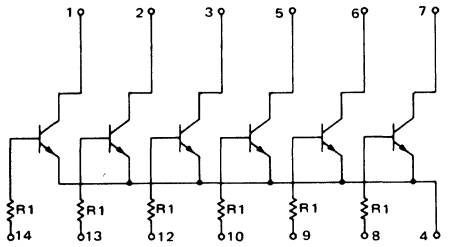
CKT NO	A	B	C	D	E
1	2	3	5	6	4
2	9	10	12	13	11

G06-162

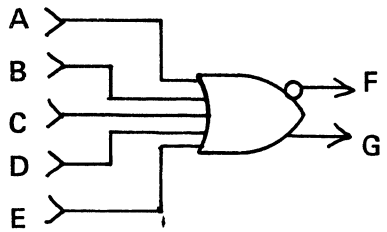


Ckt	A	B	C
1	1	2	3
2	5	6	4
3	8	9	10
4	12	13	11

G06-163



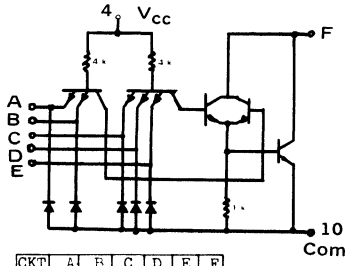
G06-164



	CKT NO.	A	B	C	D	E	F	G
G06-164	1	1	2	3	13	14	4	5
	2	6	8	9	10		12	11

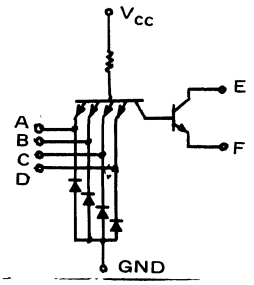
G06-165

1/2 OF CIRCUIT SHOWN



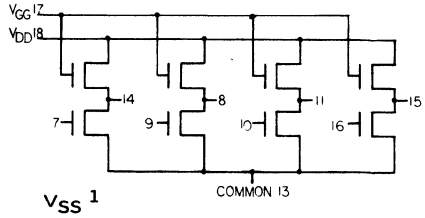
	CKT	A	B	C	D	E	F
G06-165	1	13	14	1	2	3	12
	2	9	8	7	6	5	11

G06-166

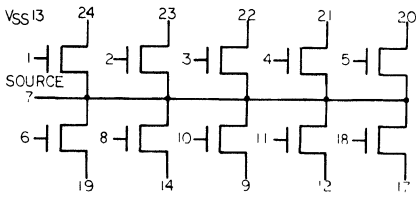


	PKG	CKT	A	B	C	D	E	F	VCC	GND
G06-166		1	3	5	6	7	2	1	4	11
		2	8	9	10	12	14	13		
G06-166a	FC	1	2	4	5	6	1	14	3	10
		2	7	8	9	11	13	12		
	FP	1	3	5	6	7	2	1	4	11
		2	8	9	10	12	14	13		

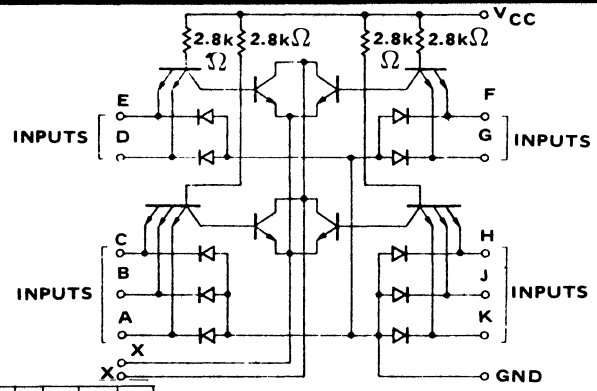
G06-167



G06-168

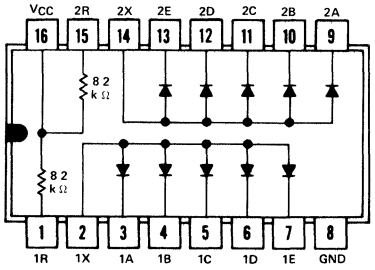


G06-169

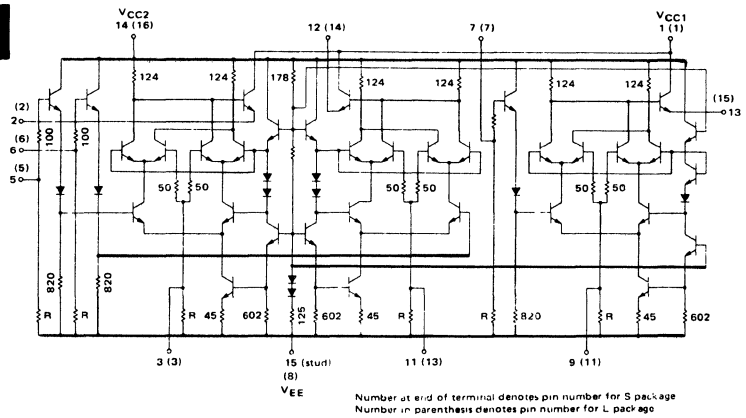


	A	B	C	D	E	F	G	H	J	K	X	$\overline{X}$	GND	VCC
G06-169	9	10	11	12	13	1	2	3	4	5	8	6	7	14
G06-169a	13	14	1	2	3	5	6	7	8	9	12	10	11	4

G06-170



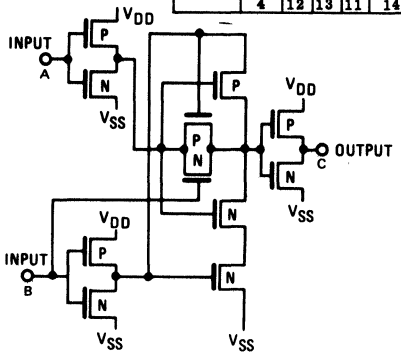
G07-1



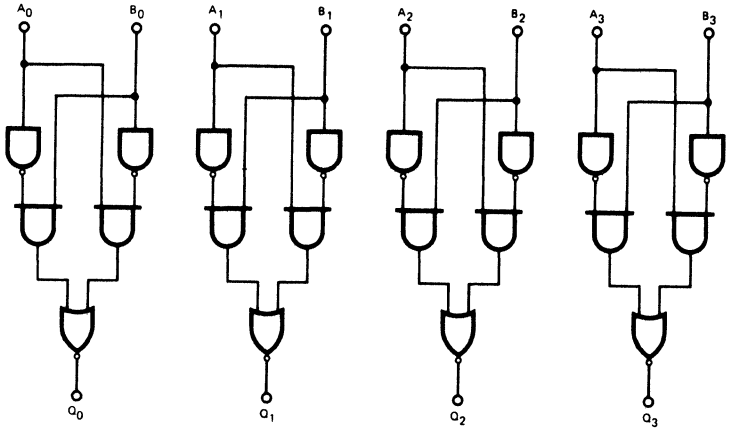
Number at end of terminal denotes pin number for S package
Number in parenthesis denotes pin number for L package

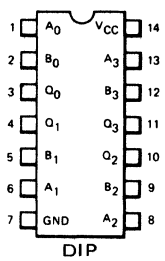
G07-3

	CKT	A	B	C	VDD	VSS
G07-3	1	1	2	3	14	7
	2	5	6	4	14	7
	3	8	9	10	14	7
	4	12	13	11	14	7

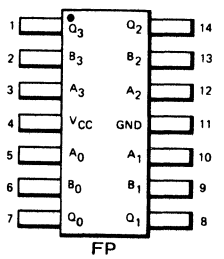


G07-4



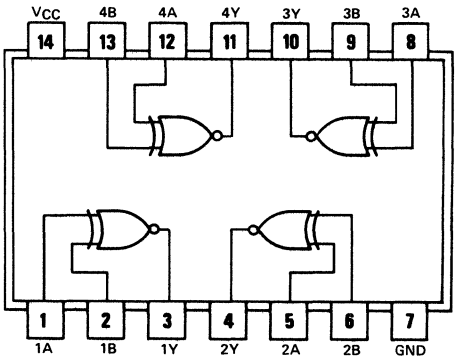


DIP

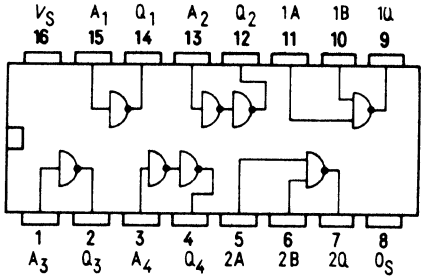


FP

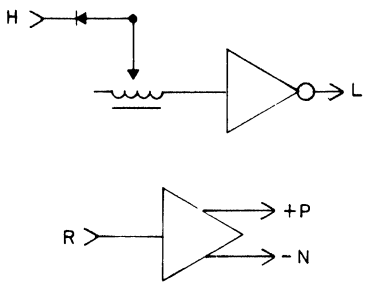
G07-5



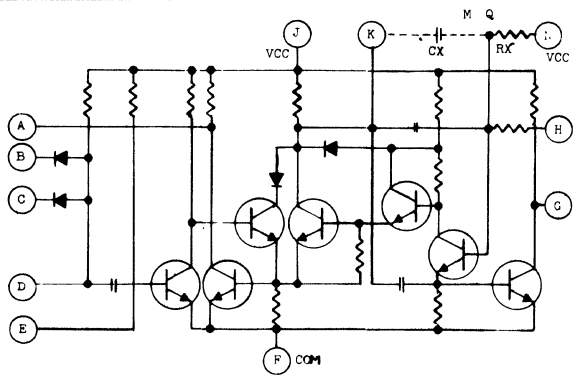
J01-1



J03-1

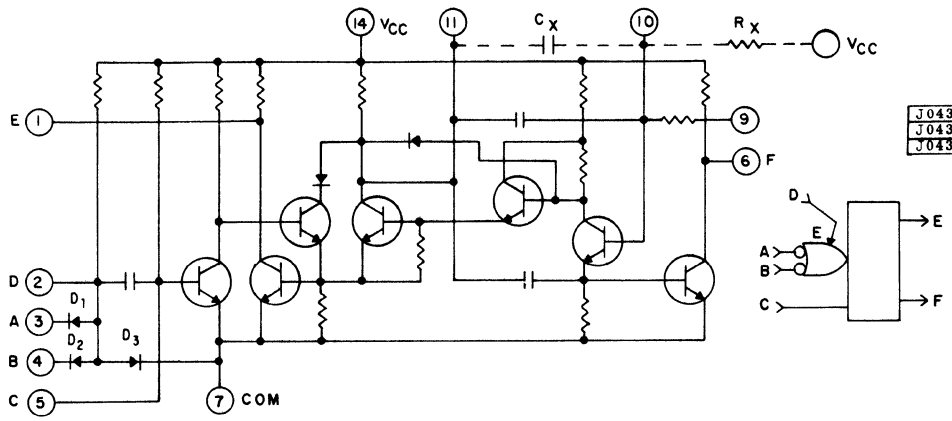


J04-29



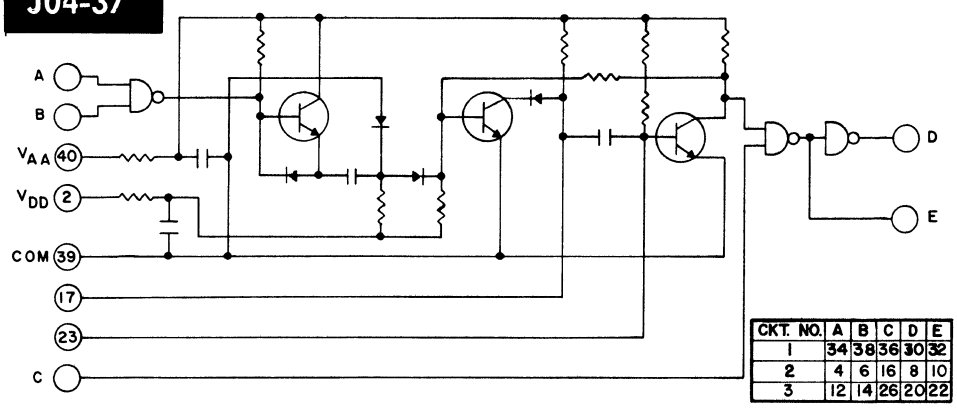
	PACKAGE	A	B	C	D	E	F	G	H	J	K	L	M
J04-29	FP, MF	1	3	4	2		7	6	9	14	11	10	
	CX	7		9	8		1	10	2	6	4	3	

J04-33



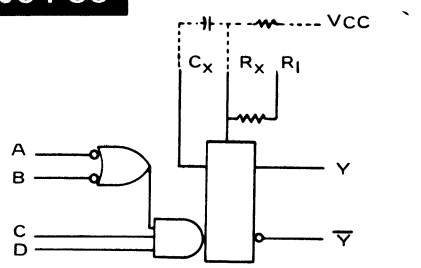
	PRESENCE OF DIODES		
	D1	D2	D3
J0433	YES	YES	NO
J0433A	YES	YES	YES
J0433B	NO	NO	NO

J04-37



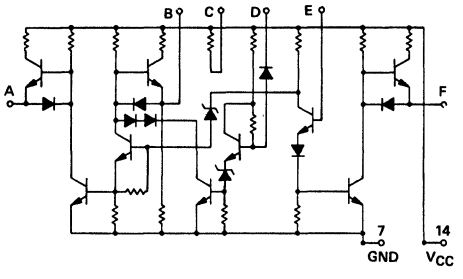
CKT. NO.	A	B	C	D	E
1	34	38	36	30	32
2	4	6	16	8	10
3	12	14	26	20	22

J04-38



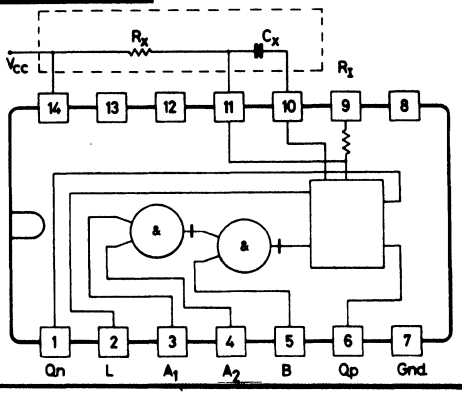
	A	B	C	D	CX	RX	RI		Y	CC	GND
J04-38	1	2	3	4	11	13		8	6	14	7
J04-38a	3	4	5		10	11	9	6	1	14	7

J04-40

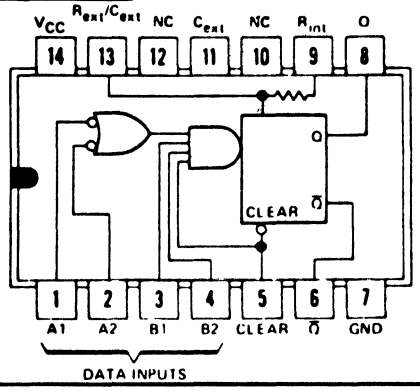


CKT. NO.	A	B	C	D	E	F
1	6	5	4	1	3	2
2	8	9	10	13	11	12

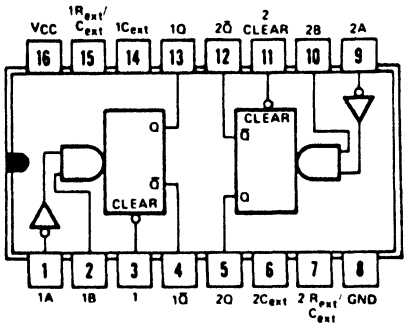
J04-42



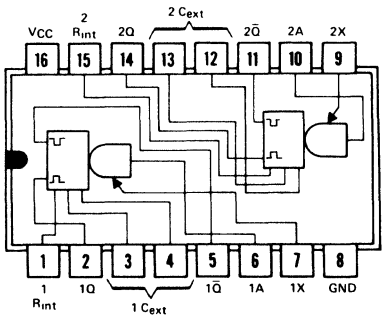
J04-44



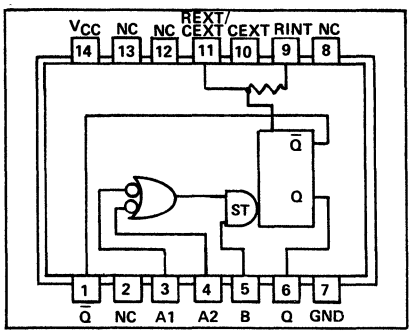
J04-45



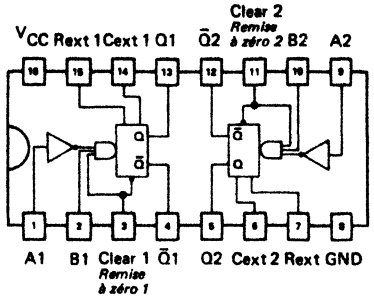
J04-46



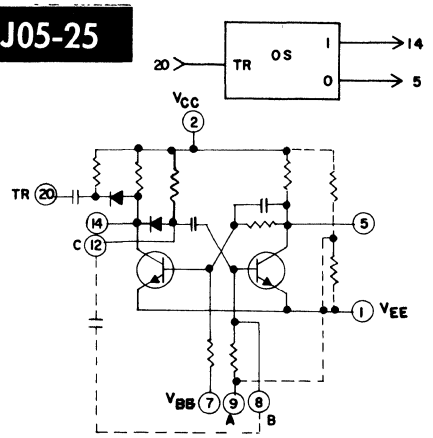
J04-47



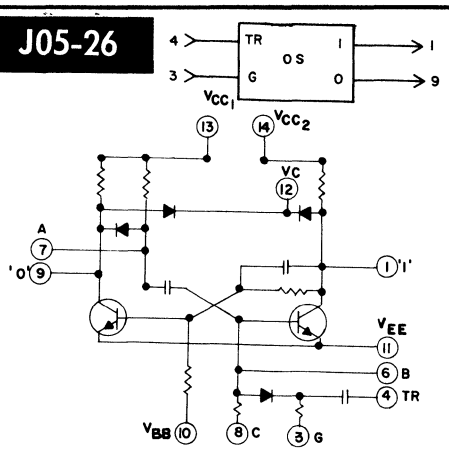
J04-48



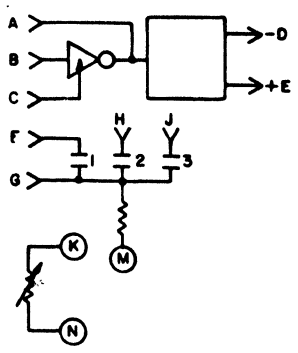
J05-25



J05-26

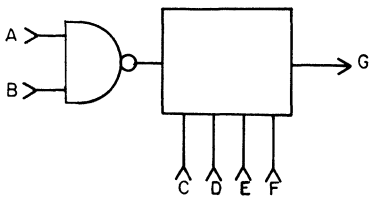


J05-29



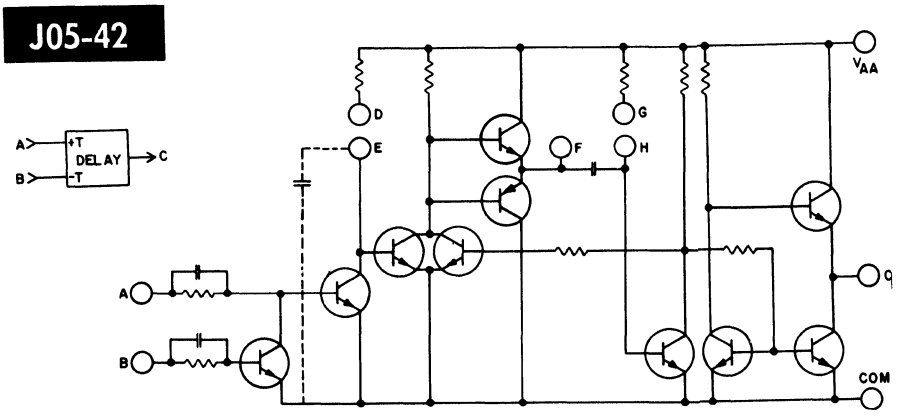
J05-29a	A	B	C	D	E	F	G	H	J	K	M	N
	R	T	N	D	E	JandH	K	L	V	U	S	P

J05-33



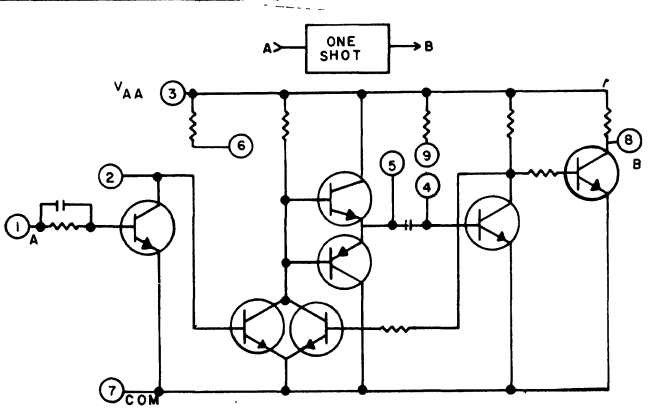
CKT NO	A	B	C	D	E	F	G
1	E	F	H	J	K	L	M
2	N	P	R	S	T	U	V

J05-42

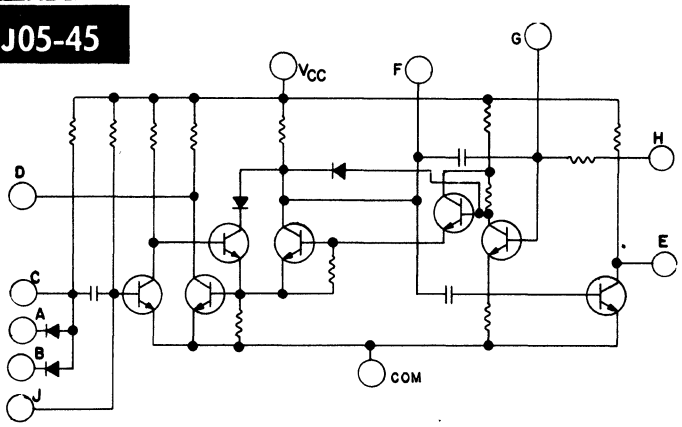


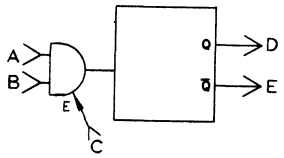
	OUTLINE	A	B	C	D	E	F	G	H	V_{AA}	COM
J0542	FP	9	10	2	4	5	6	1	7	3	8
J0542A	FP	4	5	9	7	6	1	10	2	8	3
	MP	6	7	13	11	10	3	14	4	12	5

J05-44



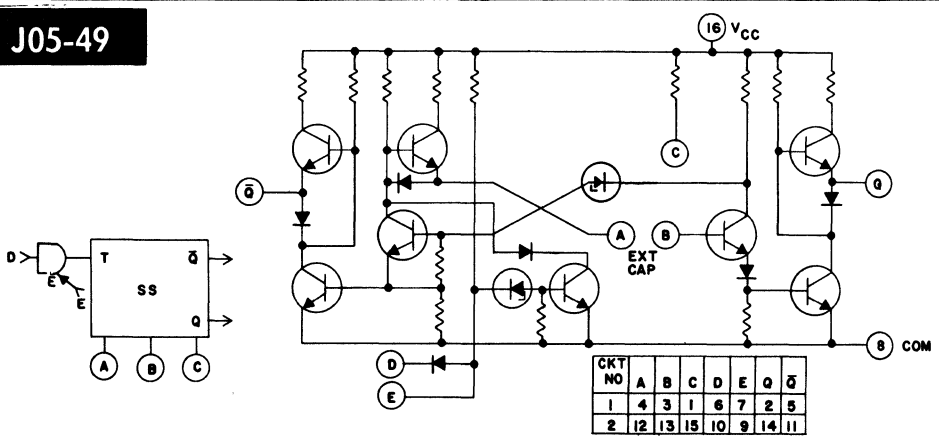
J05-45





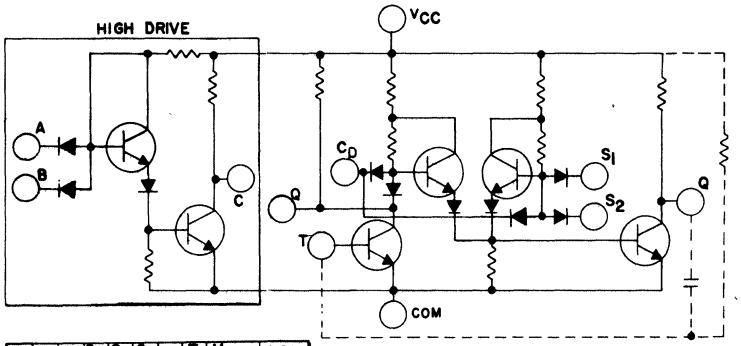
	CKT NO.	A	B	C	D	E	F	G	H	J	V_{CC}	COM	PKG.
J05-45	1	3	4	2	1	6	11	10	9	5	14	7	MP FP
J05-45A	1	9		8	7	10	4	3	2		6	1	CN

J05-49



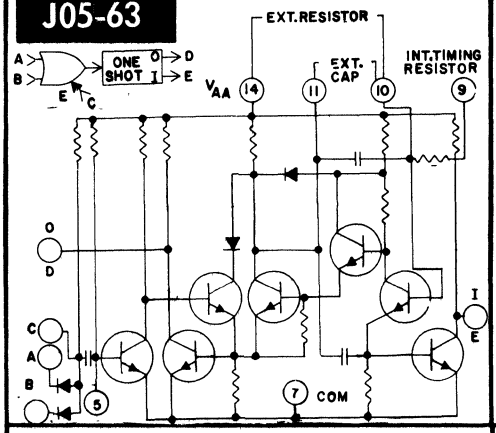
CKT NO	A	B	C	D	E	Q	$\bar{Q}$
1	4	3	1	6	7	2	5
2	12	13	15	10	9	14	11

J05-50

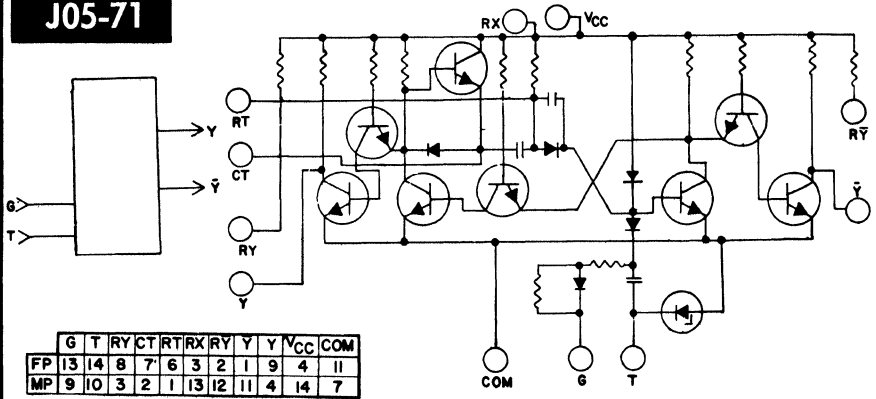


	A	B	C	S_1	S_2	C_D	Q	$\bar{Q}$	V_{CC}	COM
FP	2	3	4	11	10	12	13	9	14	7
CN	1	2	3	9	8	10	11	7	12	6
J0550A	1	2	3	7		8	9	6	10	5

J05-63

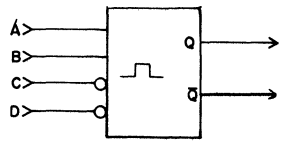


J05-71



	G	T	RY	CT	RT	RX	RY	Y	V_{CC}	COM
FP	13	14	8	7	6	3	2	1	9	4	11
MP	9	10	3	2	1	13	12	11	4	14	7

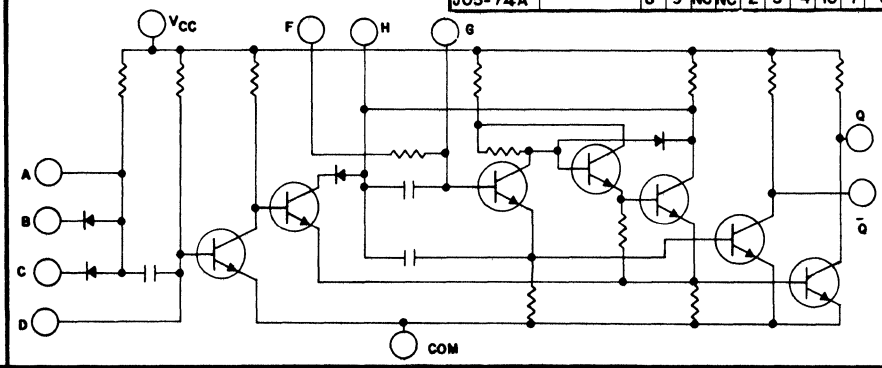
J05-72



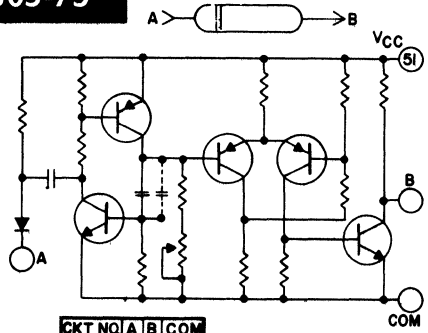
CKT. NO.	A	B	C	D	Q	$\bar{Q}$
1	9	10	7	8	4	11
2	14	13	15	16	19	12

J05-74

	PKG. STYLE	A	B	C	D	F	G	H	Q	$\bar{Q}$	V_{CC}	COM
J05-74	MP & FP	2	3	4	5	9	10	11	6	1	14	7
	CN	2	3	4	NC	7	8	9	5	1	12	6
J05-74A		8	9	NC	NC	2	3	4	10	7	6	1

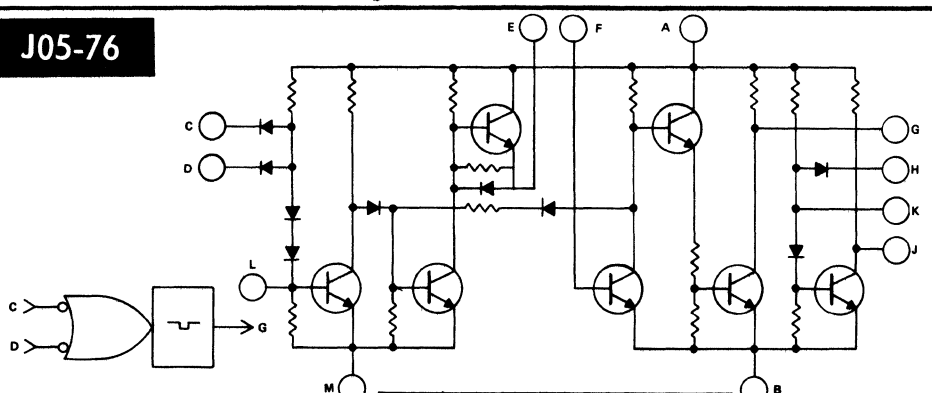


J05-75



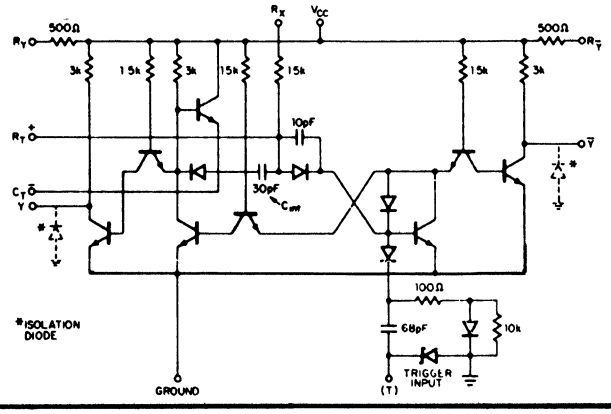
CKT NO.	A	B	COM
1	354		1
2	19	13	52

J05-76

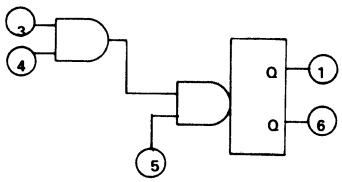


	PKG	A	B	C	D	E	F	G	H	J	K	L	M
J0576	FPandMP	7	14	11	10	4	3	9	2	13	1	6	5
	CN	4	10	7	6	1	12	5	11	9	8	3	2
	FP	1	6	3	4	9	8	2	7	5			10

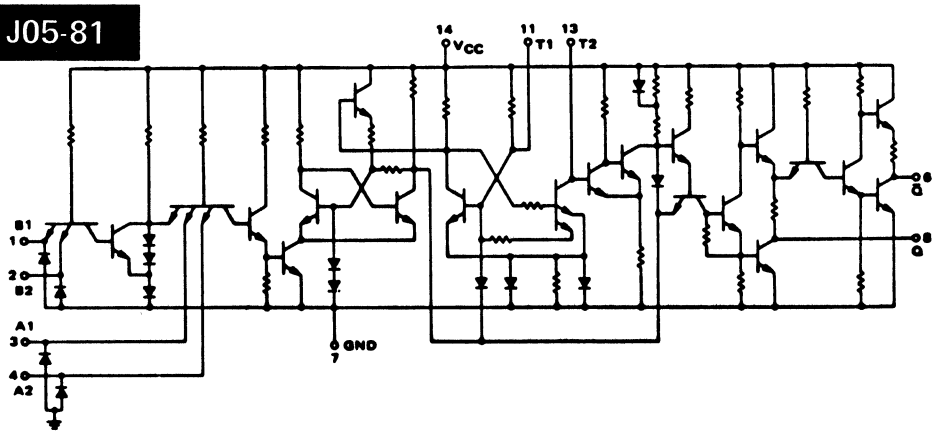
J05-79



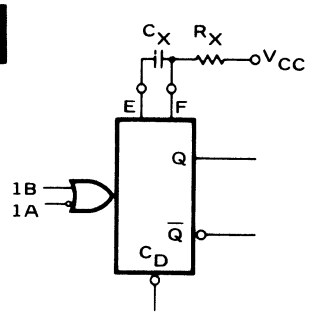
J05-80



J05-81

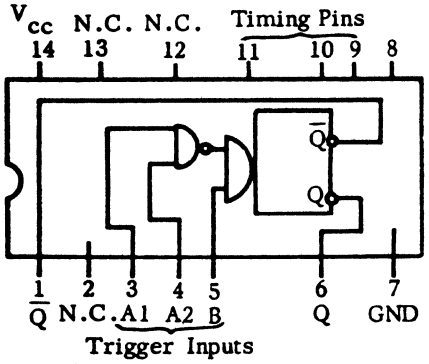


J05-82

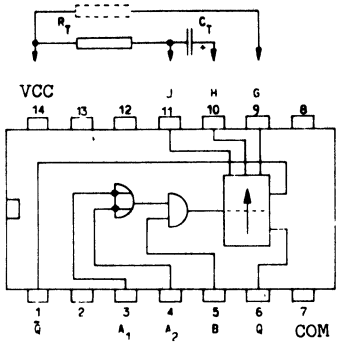


	CKT	1A	1B	Q	$\overline{Q}$	CD	E	F	VCC	GND
J05-82	1	5	4	6	7	3	1	2	16	8
	2	11	12	10	9	13	15	14		
J05-82a	1	1	2	13	4	3	14	15		
	2	9	10	5	12	11	6	7		

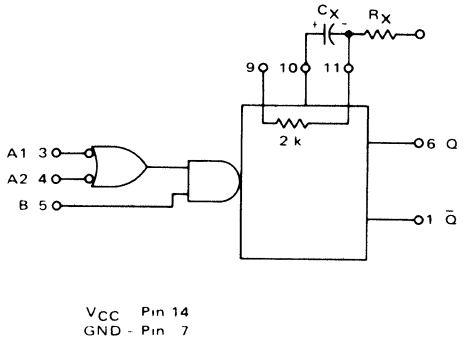
J05-83



J05-84

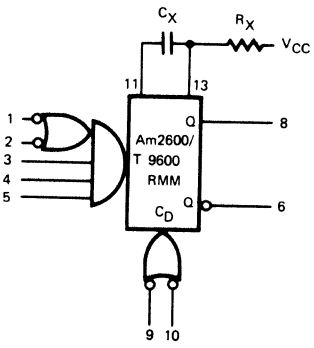


J05-85

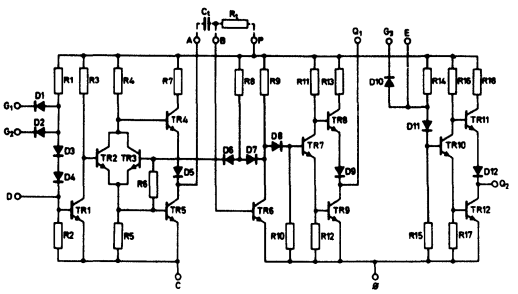


VCC Pin 14
GND - Pin 7

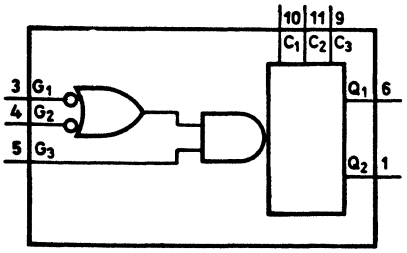
J05-86



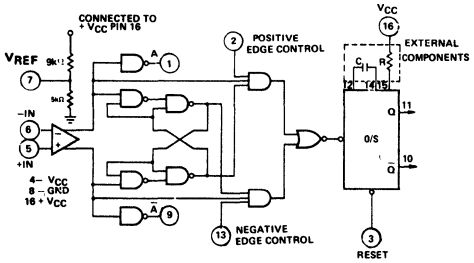
J05-87



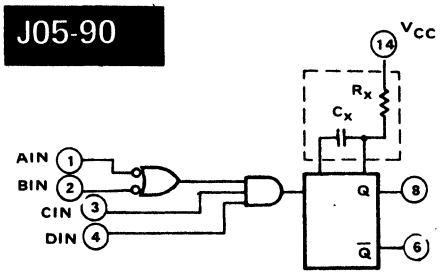
J05-88



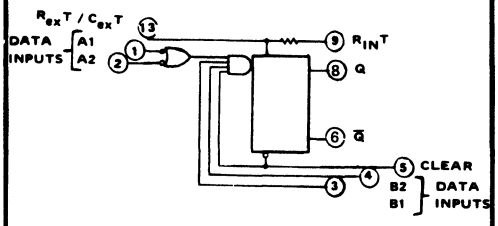
J05-89



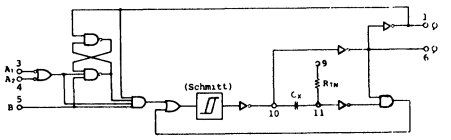
J05-90



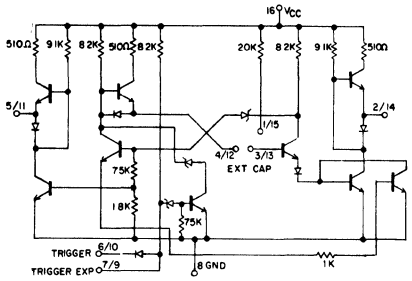
J05-91



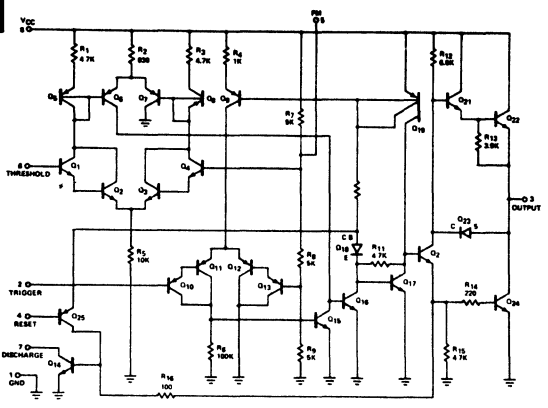
J05-92



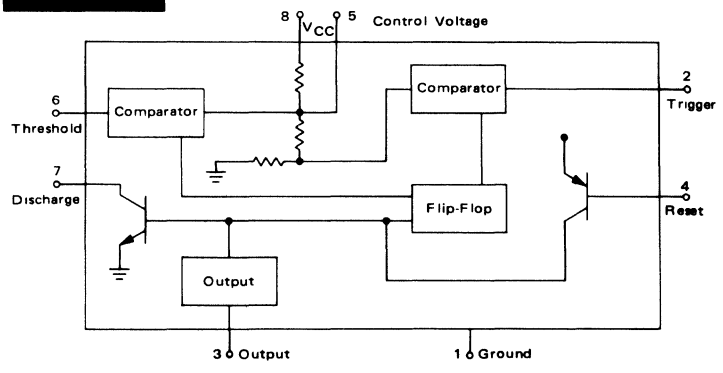
J05-96



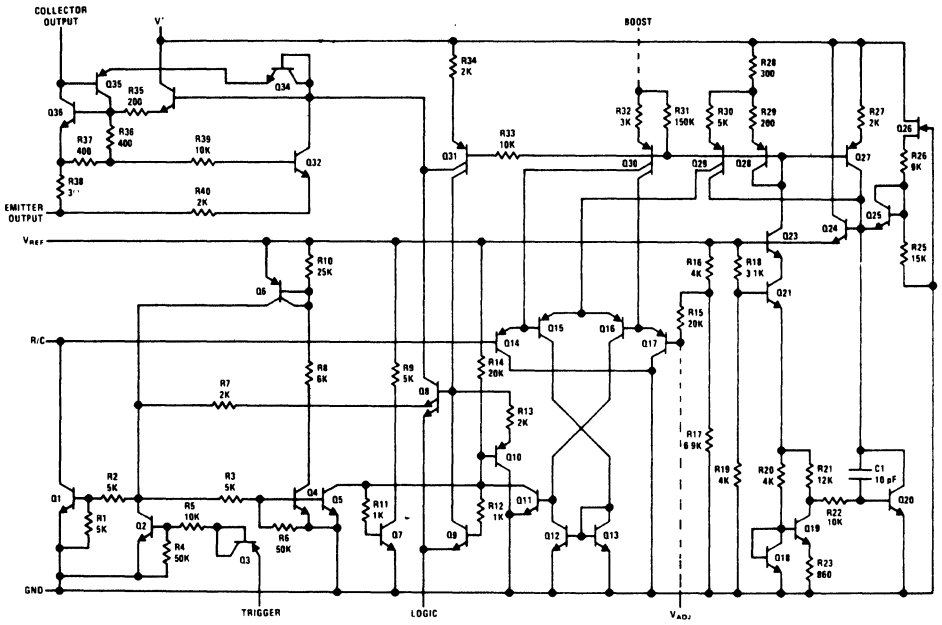
J05-98



J05-99



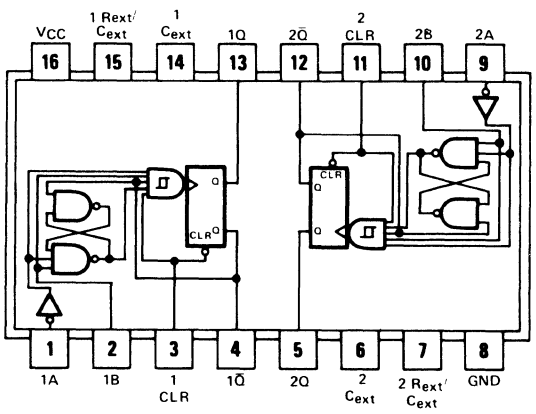
J05-100



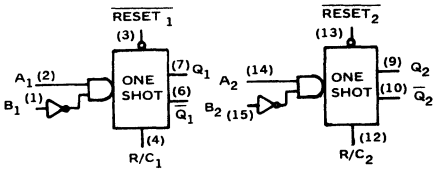
DOTTED PORTIONS
OMITTED ON J05-100a

	PKG	COLL OUTP	EM OUTP	R/C	BOOST	TRIG	LOGIC	VREF	VADJ	V+	GND
J05-100	CN, FP	9	10	4	8	2	1	3	6	7	5
	M	12	1	5	11	3	2	4	7	10	6
J05-100a	M	6	7	3		1	8	2		5	4

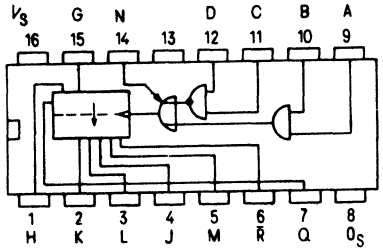
J05-101



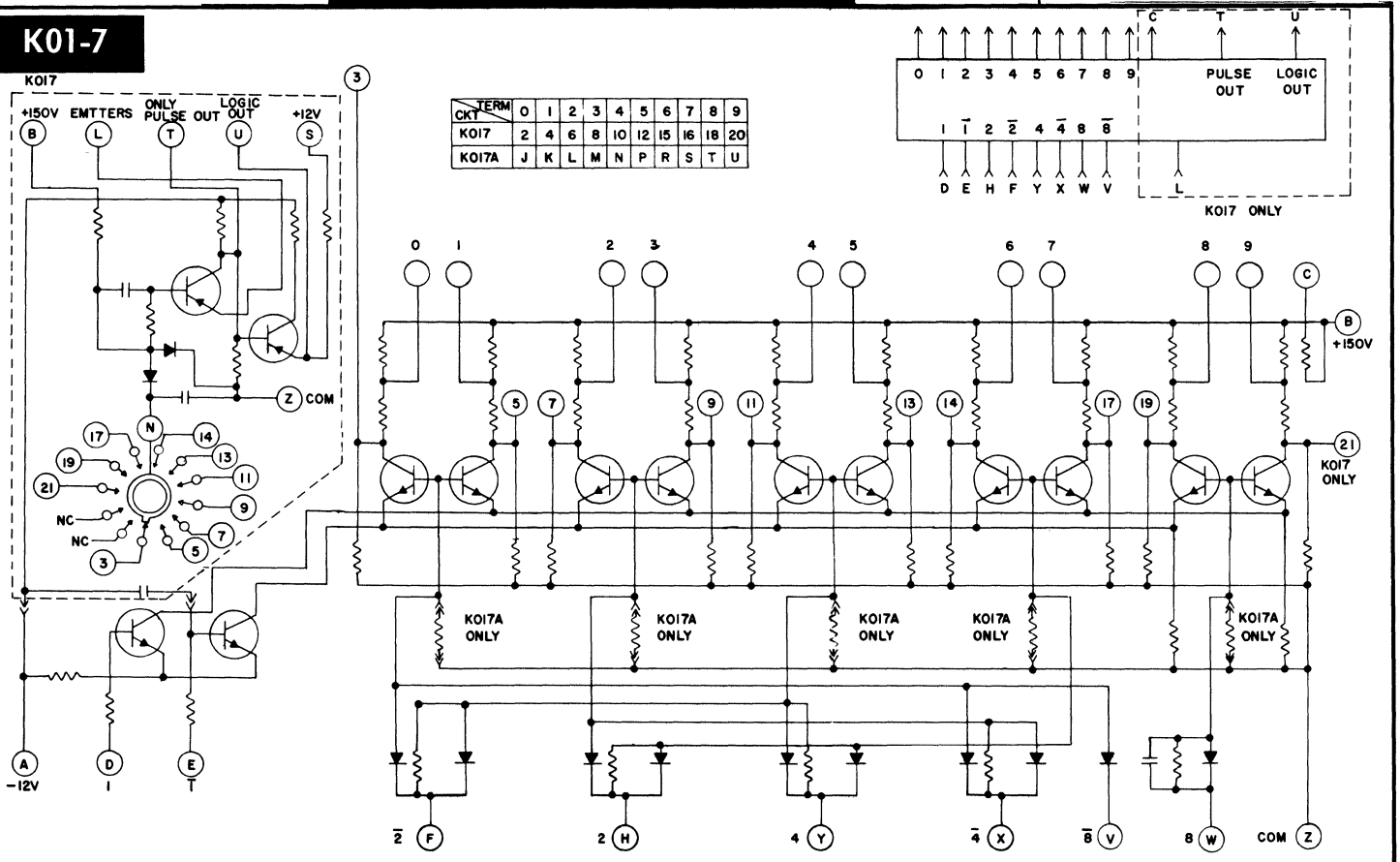
J05-102



J05-103

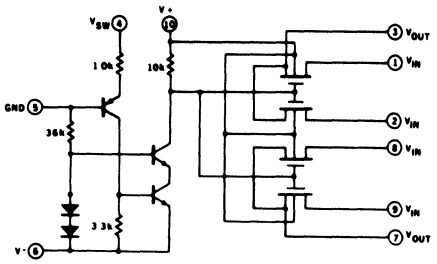


K01-7

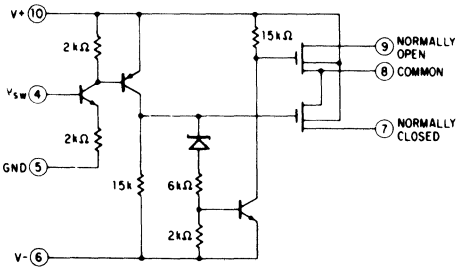


CKT \ TERM	0	1	2	3	4	5	6	7	8	9
K017	2	4	6	8	10	12	15	16	18	20
K017A	J	K	L	M	N	P	R	S	T	U

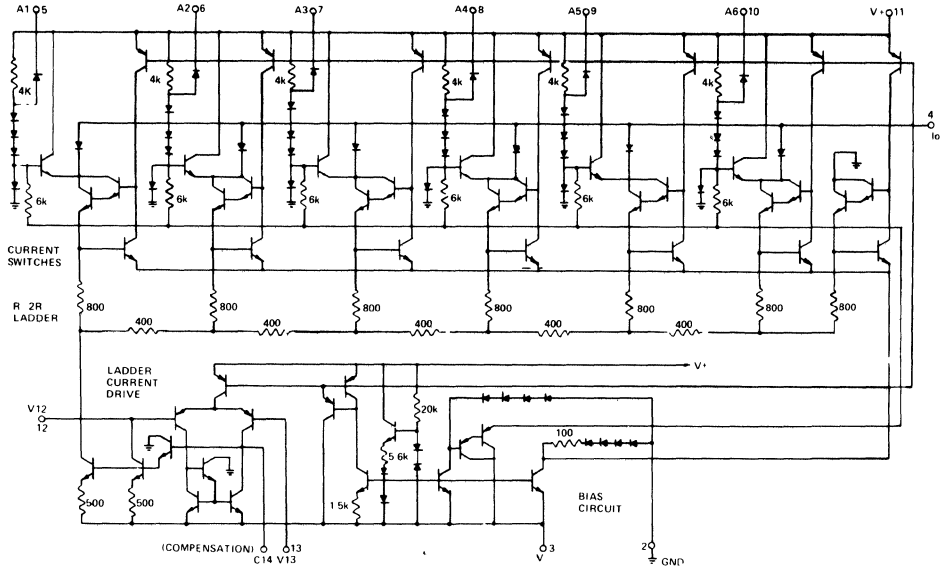
K01-13



K01-14



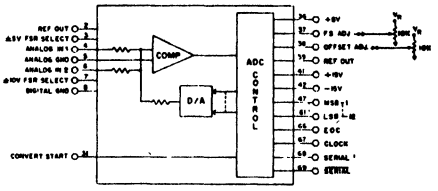
K01-20



SECTION 12. LOGIC DRAWING

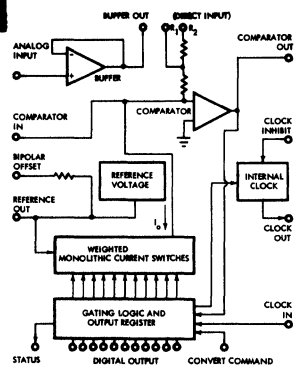
IN DRAWING NUMBER SEQUENCE

K01-22



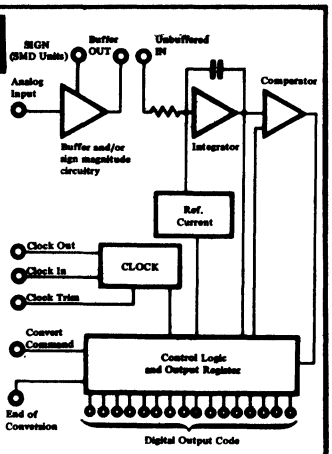
PIN 68 FOR K01-22a ONLY

K01-23

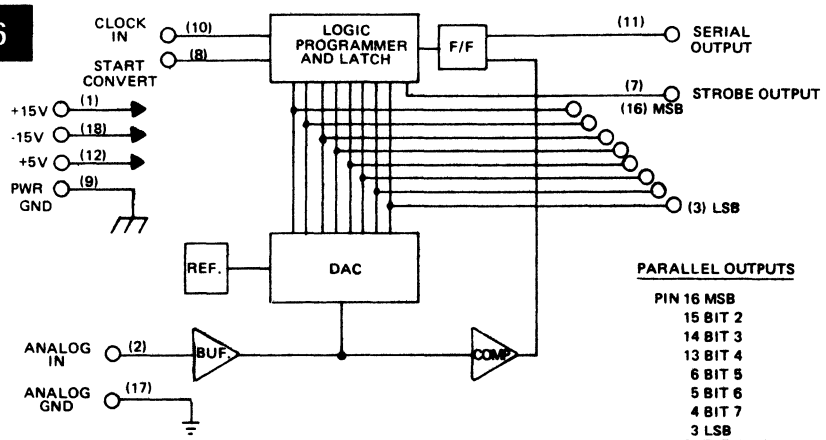


Block Diagram of Series 40 and Series 50 A/D Converters.

K01-24



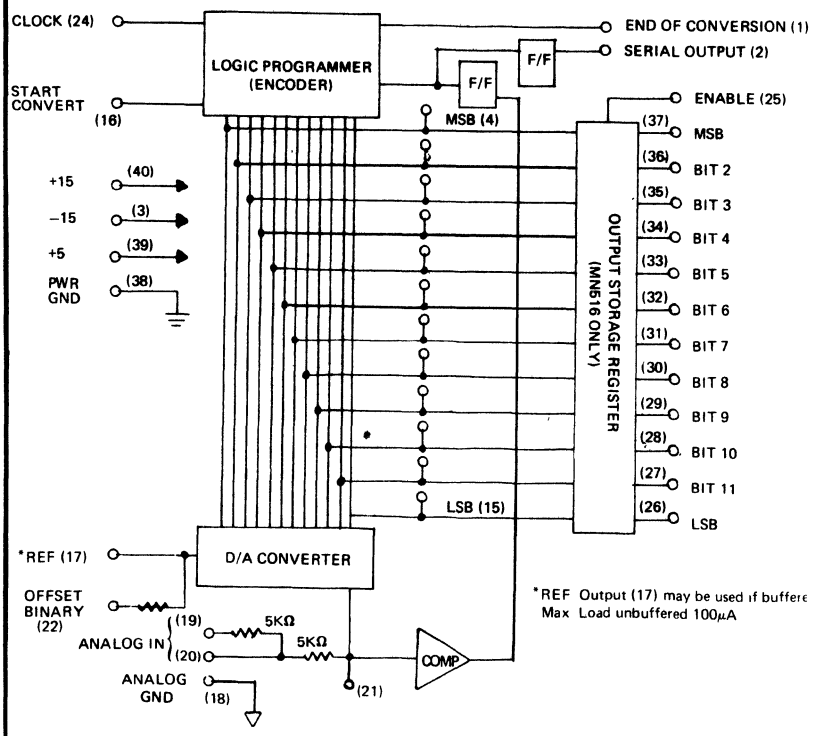
K01-26



PARALLEL OUTPUTS

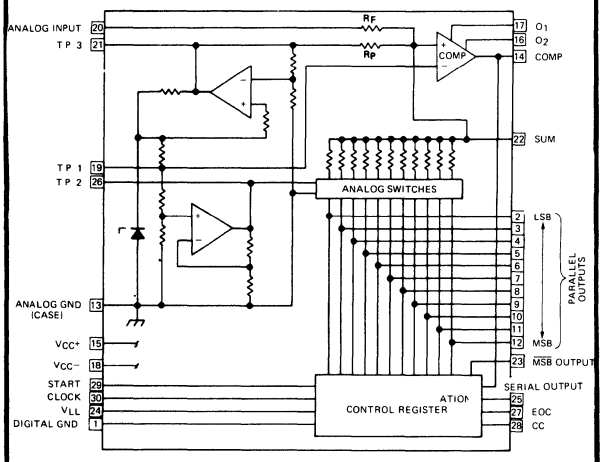
PIN 16 MSB
15 BIT 2
14 BIT 3
13 BIT 4
6 BIT 5
5 BIT 6
4 BIT 7
3 LSB

K01-27

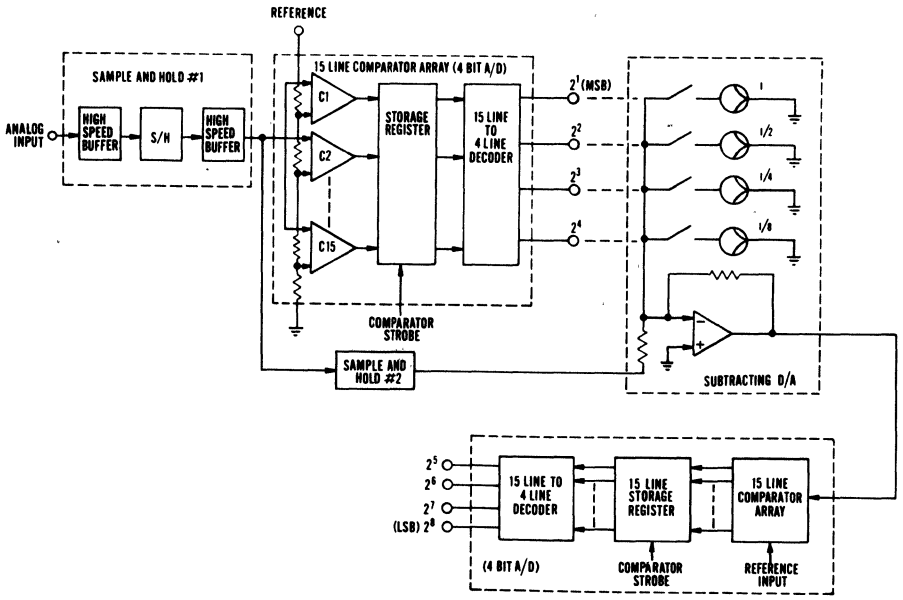


*REF Output (17) may be used if buffere
Max Load unbuffered 100μA

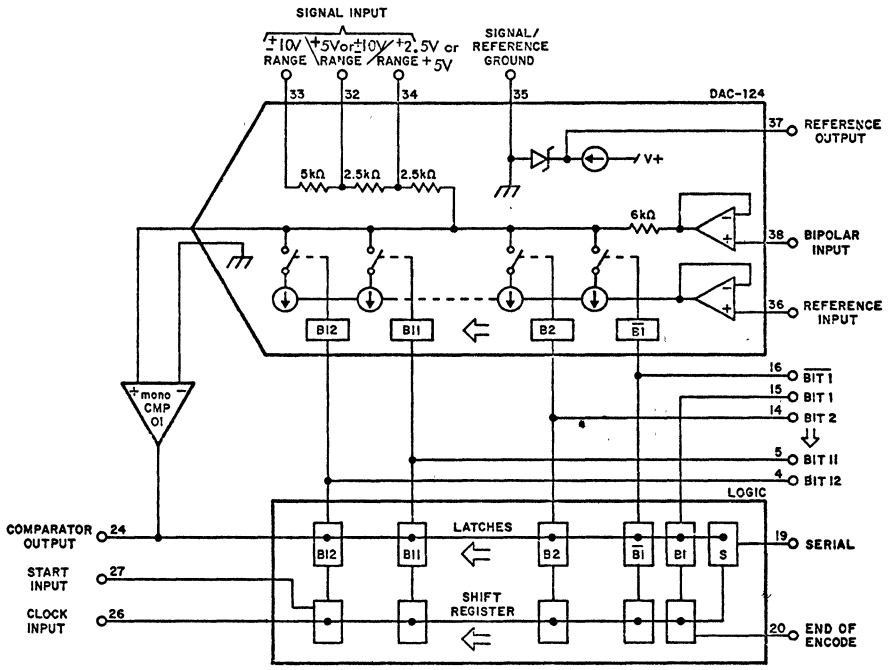
K01-28



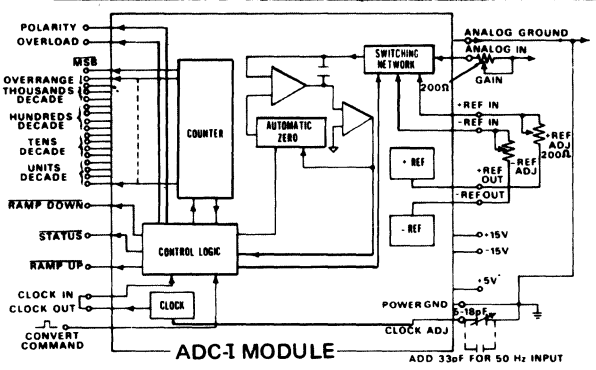
K01-29


REFERENCE
SAMPLE AND HOLD #1
ANALOG INPUT
HIGH SPEED BUFFER
S/H
HIGH SPEED BUFFER
15 LINE COMPARATOR ARRAY (4 BIT A/D)
C1
C2
C15
STORAGE REGISTER
15 LINE TO 4 LINE DECODER
2¹ (MSB)
2²
2³
2⁴
1
1/2
1/4
1/8
COMPARATOR STROBE
SAMPLE AND HOLD #2
SUBTRACTING D/A
2⁵
2⁶
2⁷
(LSB) 2⁸
15 LINE TO 4 LINE DECODER
15 LINE STORAGE REGISTER
15 LINE COMPARATOR ARRAY
(4 BIT A/D)
COMPARATOR STROBE
REFERENCE INPUT

K01-30


SIGNAL INPUT
±10V RANGE
±5V or ±10V RANGE
±2.5V or ±5V RANGE
SIGNAL/ REFERENCE GROUND
33
32
34
35
DAC-124
37 REFERENCE OUTPUT
V+
5kΩ
2.5kΩ
2.5kΩ
6kΩ
38 BIPOLAR INPUT
36 REFERENCE INPUT
B12
B11
B2
B1
+ mono CMP 01 −
16 BIT 1
15 BIT 1
14 BIT 2
5 BIT 11
4 BIT 12
LOGIC
COMPARATOR OUTPUT 24
START INPUT 27
CLOCK INPUT 26
LATCHES
SHIFT REGISTER
B12
B11
B2
B1
B1
S
19 SERIAL
20 END OF ENCODE

K01-31

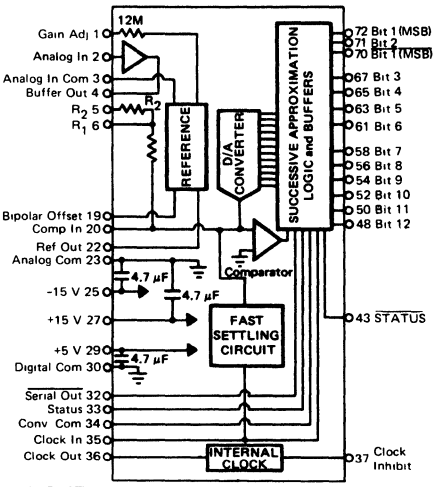


ADC-1 MODULE

Analog Input	1	A	Analog Ground
Analog Ground	2	B	Analog Ground
+Ref In	3	C	+Ref Out
-Ref In	4	D	-Ref Out
Power Ground	5	E	Power Ground
Polarity	6	F	MSB Bit 1
Overload	7	H	Bit 2
$\overline{\text{MSB Bit 1}}$	8	J	Bit 3
N.C.	9	K	Bit 4 (N.C.)
N.C.	10	L	Bit 5
N C.	11	M	Bit 6 (Bit 3)
$\overline{\text{Ramp Down}}$	12	N	Bit 7 (Bit 4)
$\overline{\text{Status}}$	13	P	Bit 8 (Bit 5)
$\overline{\text{Ramp Up}}$	14	R	Bit 9 (Bit 6)
Clock In	15	S	Bit 10 (Bit 7)
Clock Out	16	T	Bit 11 (Bit 8)
Convert Command	17	U	Bit 12 (Bit 9)
N.C	18	V	Bit 13 (Bit 10)
+15V	19	W	Bit 14 (Bit 11)
-15V	20	X	Bit 15 (Bit 12)
N C.	21	Y	Bit 16 (Bit 13)
+5V	22	Z	LSB Bit 17 (Bit 14)

NOTE: CHANGES FOR K01-31a SHOWN IN PARENTHESIS.

K01-32

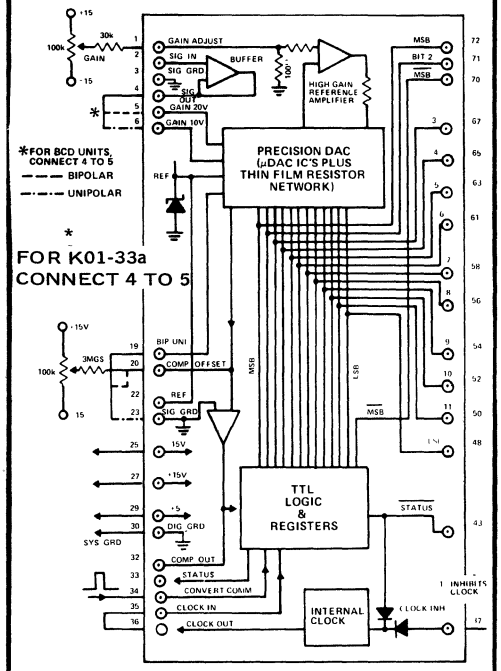


NOTE:

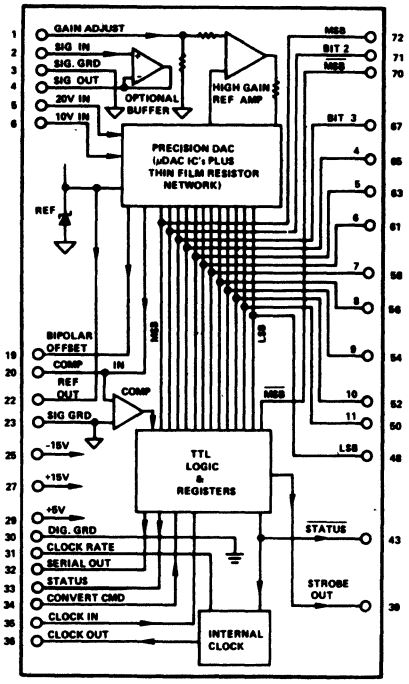
IN K01-32a, BIT 8 IS THE LSB, AND THERE ARE NO CONNECTIONS TO PINS 48, 50, 52 AND 54.

IN K01-32b, BIT 10 IS THE LSB, AND THERE ARE NO CONNECTIONS TO PINS 48 AND 50.

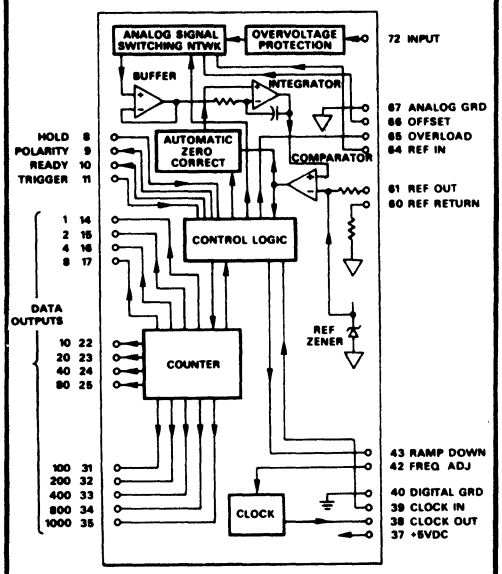
K01-33



K01-34



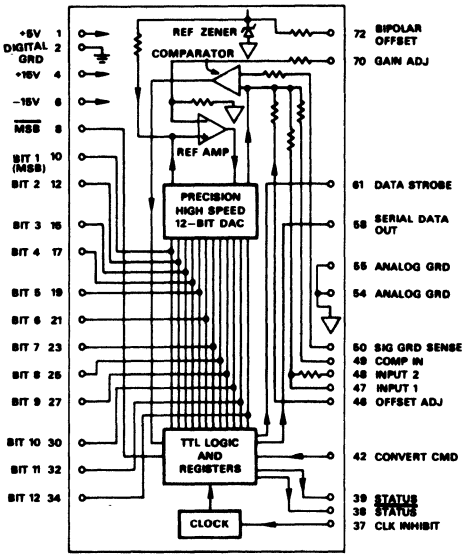
K01-36



SECTION 12. LOGIC DRAWING

IN DRAWING NUMBER SEQUENCE

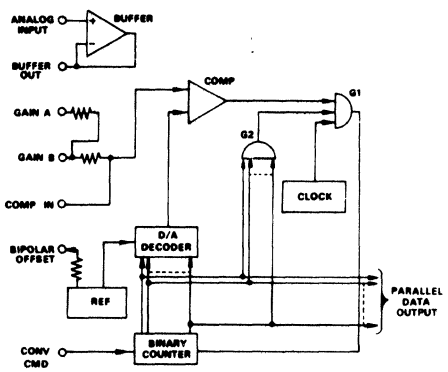
K01-37

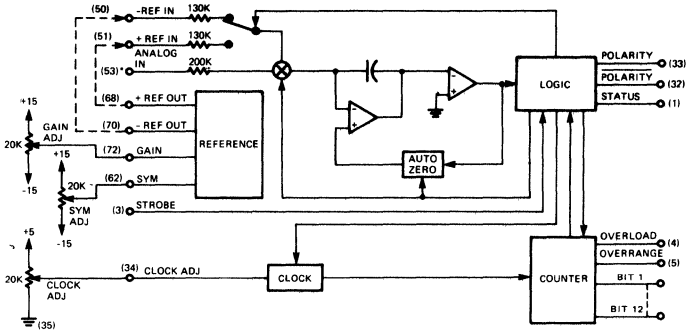


NOTE:
K01-37 DOES NOT HAVE A SERIAL OUTPUT, AND THEREFORE PINS 58 AND 61 ARE DELETED FROM IT.

K01-37a DOES NOT CONTAIN PINS 32 AND 34. K01-37b DOES NOT CONTAIN PINS 27, 30, 32, AND 34.

K01-38

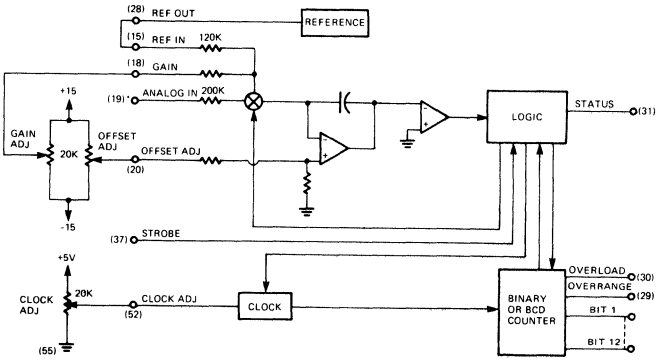




K01-40

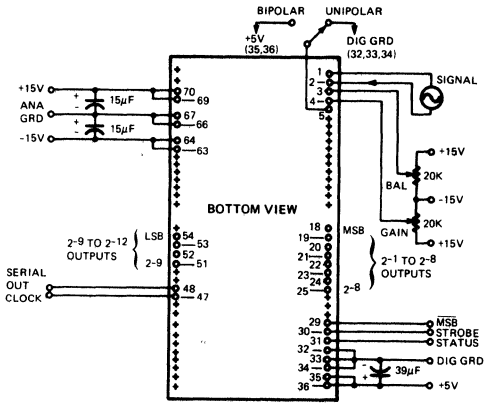
PIN	FUNCTION
1	STATUS
3	STROBE
4	OVERLOAD
5	OVERRANGE
9	BIT 1 (MSB)
11	BIT 2
13	BIT 3
15	BIT 4
17	BIT 5
18	BIT 6
20	BIT 7
22	BIT 8
24	BIT 9
26	BIT 10
28	BIT 11
30	BIT 12 (LSB)
32	$\overline{\text{POLARITY}}$
33	POLARITY
34	CLOCK ADJ
35	LOGIC GRD
36	+5V
37	N/C
50	-REF IN
51	+REF IN
53	ANALOG IN
55	ANALOG GRD
56	+15V
58	-15V
62	SYMMETRY ADJ
68	+REF OUT
70	-REF OUT
72	GAIN ADJ

K01-41



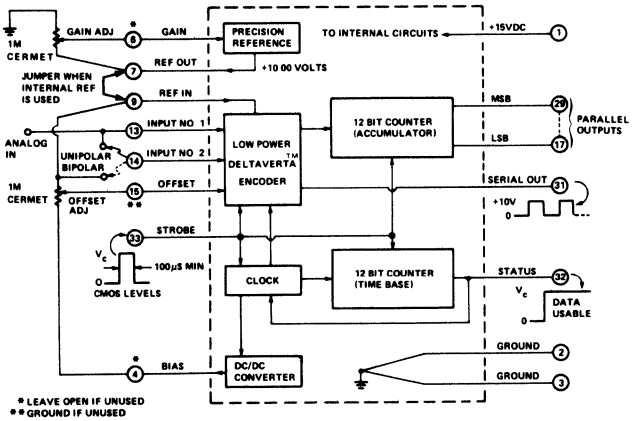
PIN	FUNCTION
1	-15VDC
2	ANALOG GRD
3	ANALOG GRD
4	+15VDC
15	REF IN
18	GAIN ADJ
19	ANALOG IN
20	OFFSET ADJ
28	REF OUT
29	OVERRANGE
30	OVERLOAD
31	STATUS
32	BIT 1
33	BIT 2
34	BIT 3
35	BIT 4
37	STROBE
39	BIT 5
40	BIT 6
41	BIT 7
42	BIT 8
48	BIT 9
49	BIT 10
50	BIT 11
51	BIT 12
52	CLOCK ADJ
55	LOGIC GRD
56	+5VDC

K01-42



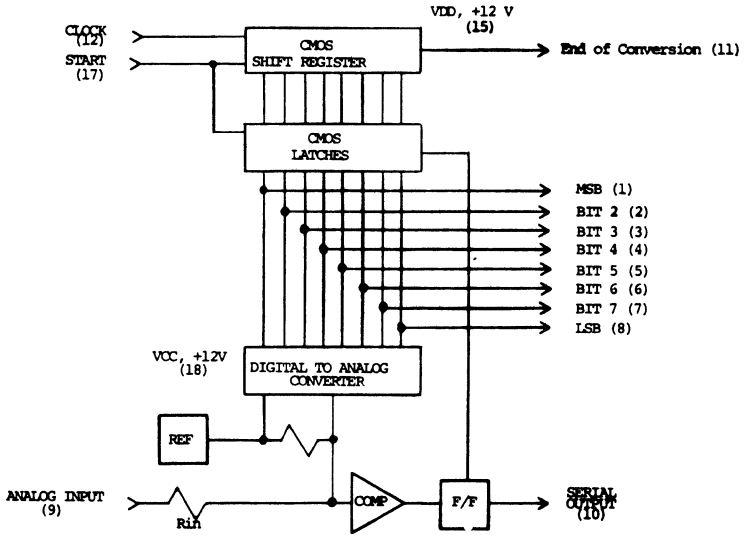
PIN	FUNCTION
1	ANALOG GRD
2	ANALOG IN
3	BALANCE
4	GAIN ADJ
5	SIGN BIT CONTROL
18	2^{-1} MSB
19	2^{-2}
20	2^{-3}
21	2^{-4}
22	2^{-5}
23	2^{-6}
24	2^{-7}
25	2^{-8}
29	$\overline{\text{MSB}}$
30	STROBE
31	STATUS
32	DIG GRD
33	DIG GRD
34	DIG GRD
35	+5V
36	+5V
47	CLOCK
48	SERIAL OUT
51	2^{-9}
52	2^{-10}
53	2^{-11}
54	2^{-12} LSB
63	-15V
64	-15V
66	ANALOG GRD
67	ANALOG GRD
69	+15V
70	+15V

K01-43

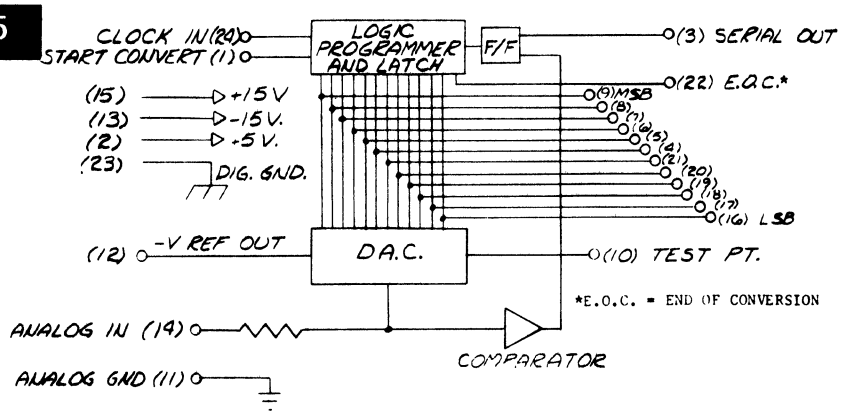


PIN	FUNCTION
1	+15V
2	GRD
3	GRD
4	BIAS
6	GAIN
7	REF OUT
9	REF IN
13	INPUT 1
14	INPUT 2
15	OFFSET
17	2-12
18	2-11
19	2-10
20	2-9
21	2-8
22	2-7
23	2-6
24	2-5
26	2-4
27	2-3
28	2-2
29	2-1
31	SERIAL OUTPUT
32	STATUS
33	STROBE

K01-44

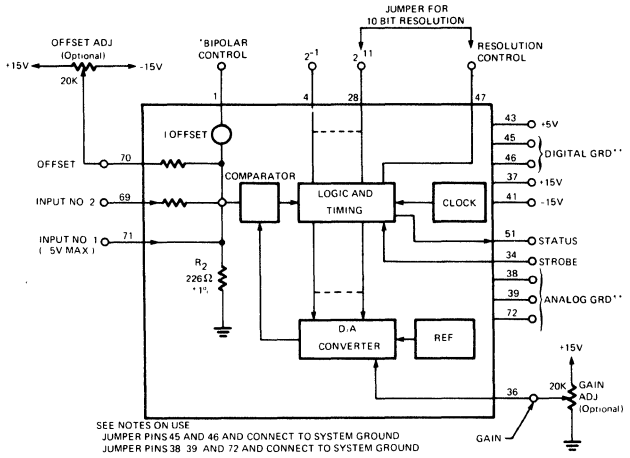


K01-45



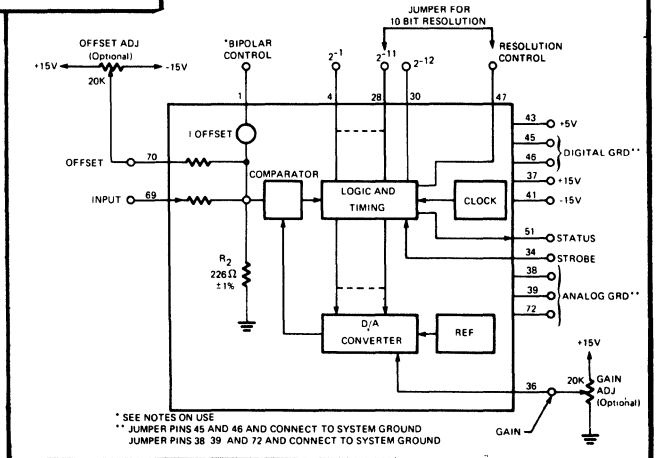
K01-47

PIN	FUNCTION
1	BIPOLAR
4	BIT 1 (2^{-1})
7	BIT 2 (2^{-2})
10	BIT 3 (2^{-3})
13	BIT 4 (2^{-4})
16	BIT 5 (2^{-5})
18	BIT 6 (2^{-6})
20	BIT 7 (2^{-7})
22	BIT 8 (2^{-8})
24	BIT 9 (2^{-9})
26	BIT 10 (2^{-10})
28	BIT 11 (2^{-11})
30	BIT 12 (2^{-12})
34	STROBE
36	GAIN
37	+15 VDC
38	ANALOG GRD
39	ANALOG GRD
41	15 VDC
43	+5 VDC
45	DIGITAL GRD
46	DIGITAL GRD
47	RESOLUTION CONTROL
51	STATUS
69	INPUT NO 2
70	OFFSET
71	INPUT NO 1
72	ANALOG GRD

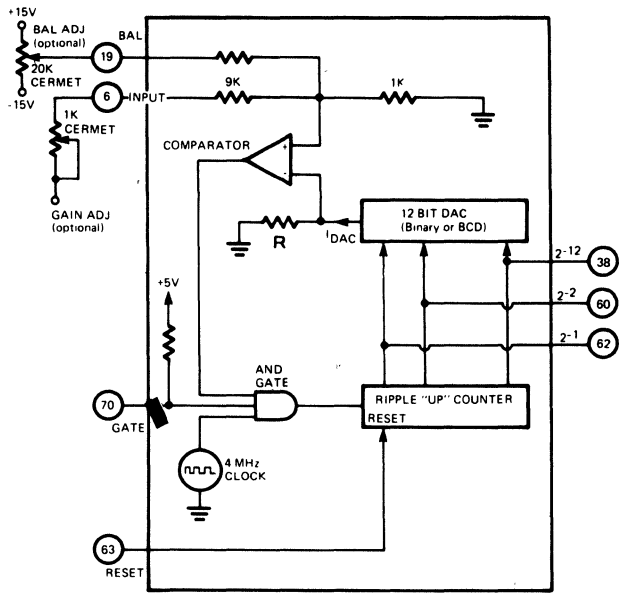


K01-48

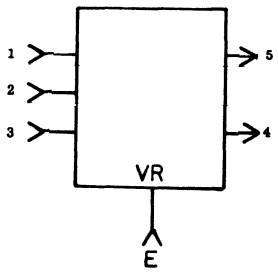
PIN	FUNCTION
1	BIPOLAR
4	BIT 1 (2^{-1})
7	BIT 2 (2^{-2})
10	BIT 3 (2^{-3})
13	BIT 4 (2^{-4})
16	BIT 5 (2^{-5})
18	BIT 6 (2^{-6})
20	BIT 7 (2^{-7})
22	BIT 8 (2^{-8})
24	BIT 9 (2^{-9})
26	BIT 10 (2^{-10})
28	BIT 11 (2^{-11})
30	BIT 12 (2^{-12})
34	STROBE
36	GAIN
37	+15 VDC
38	ANALOG GRD
39	ANALOG GRD
41	-15 VDC
43	+5 VDC
45	LOGIC GRD
46	LOGIC GRD
47	RESOLUTION CONTROL
51	STATUS
69	INPUT
70	OFFSET
72	ANALOG GRD



K01-49

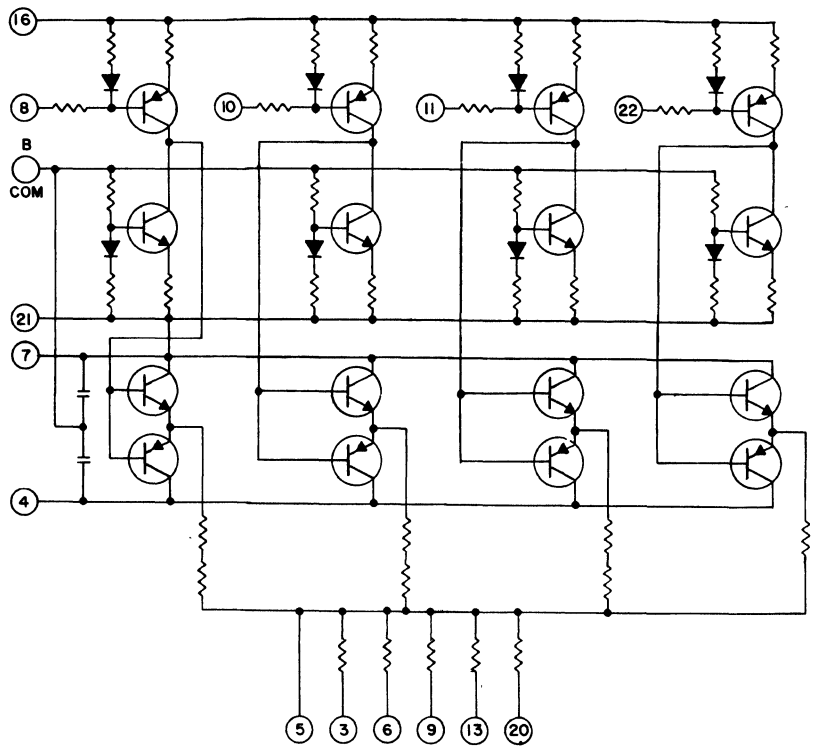


K02-6

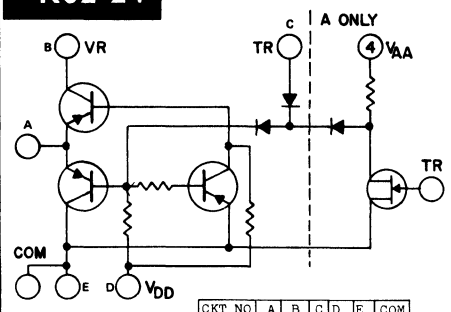


	1	2	3	VR	4	5
K02-6	J	T	V	E	S	K
K02-6a	U		T	E	S	K

K02-23

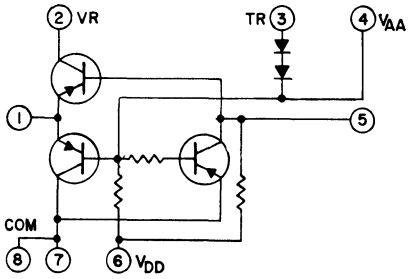


K02-24

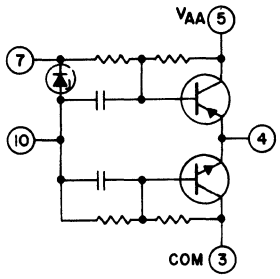


	CKT NO	A	B	C	D	E	COM
K0224	1	1	2	3	6	7	8
K0224b	1	9	6	1	7	5	
	2	10	6	2	7	5	
	3	11	15	3	14	16	
	4	12	15	4	14	16	

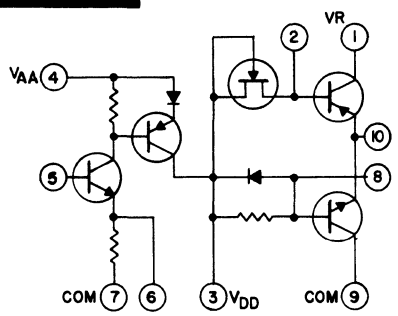
K02-25



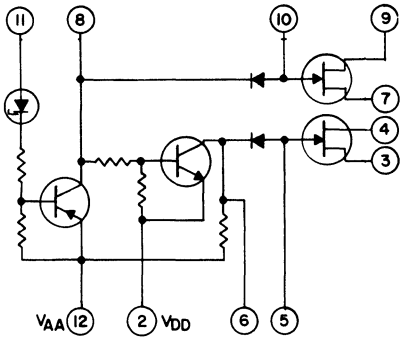
K02-27



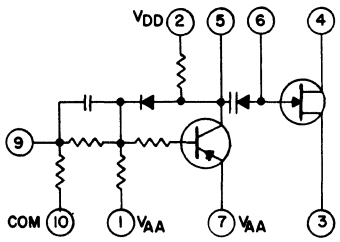
K02-28



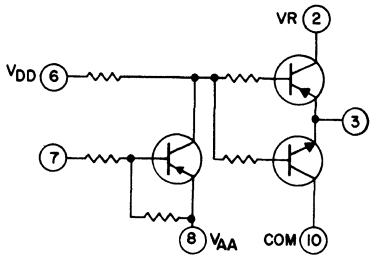
K02-29



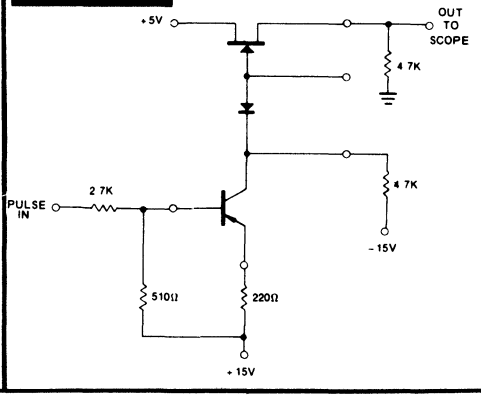
K02-30



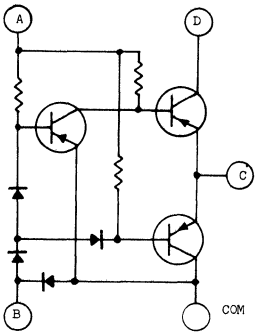
K02-31



K02-37

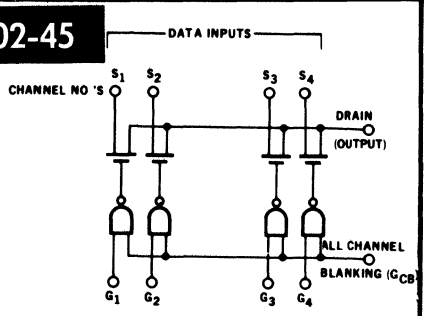


K02-39



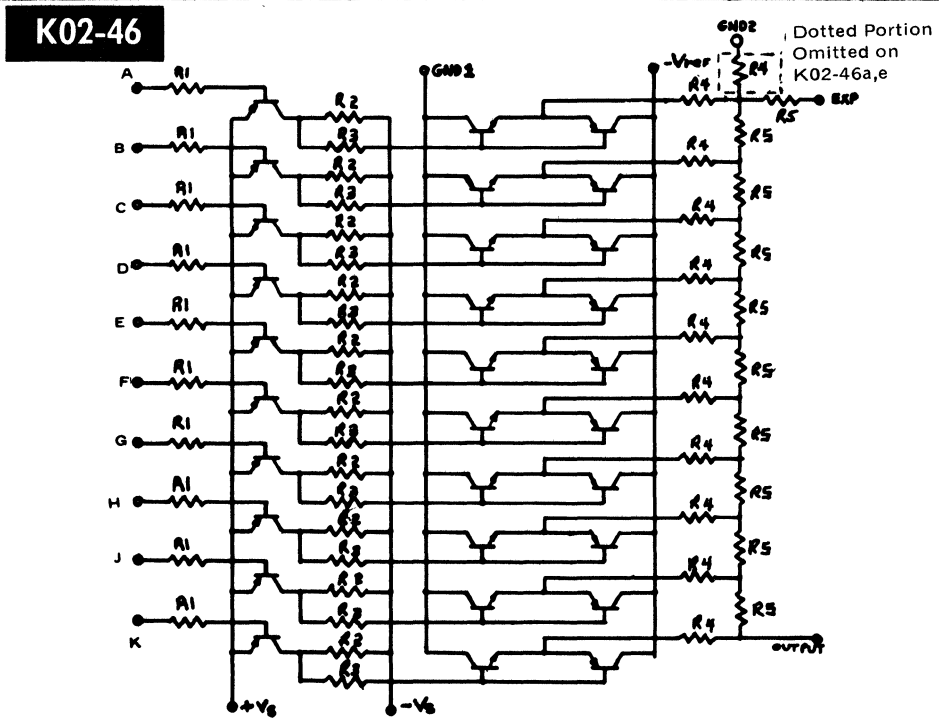
Ckt	A	B	C	D	COM
1	6	7	3	4	2
2	10	9	1	12	8

K02-45



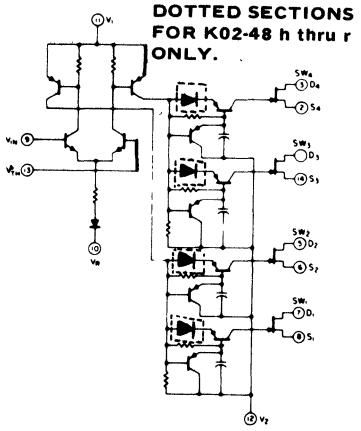
	V_{SS}	G_1	G_2	G_3	G_4	V_{GG}	V_{DD}	GCB	NC	S_1	S_2	S_3	S_4	DRAIN
K02-45	1	2	3	4	5	6	7	8	9	13	12	11	10	14

K02-46



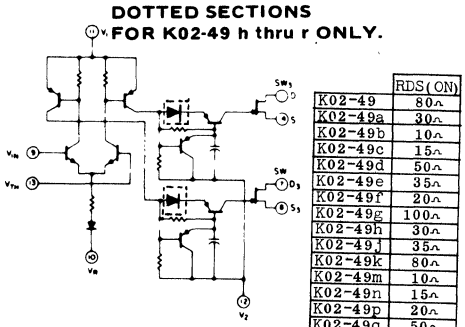
	A	B	C	D	E	F	G	H	J	K	VS	-VS	GND	GND2	-VREF	EXP	OUT PUT	R1	R2	R3	R4	R5
K02-46	2	3	4	5	6						7	13	8	12	9	11	10	8k	20k	3k	50k	25k
K02-46a	1	2	3	4	5	6	7	8	9	10	11	12	19	19	20		13	10k	20k	5k	50k	25k
K02-46b	1	2	3	4							5	6	9	9	10	8	7	10k	6.7k	3.3k	50k	25k
K02-46c	1	2	3	4							5	6	9		10	8	7	10k	6.7k	3.3k	50k	25k
K02-46d	1	2	3	4							5	6	9		10	8	7	10k	6.7k	3.3k	50k	25k
K02-46e	6	5	4	3	2						7	9	12		13		10	10k	20k	5k	50k	25k

K02-48



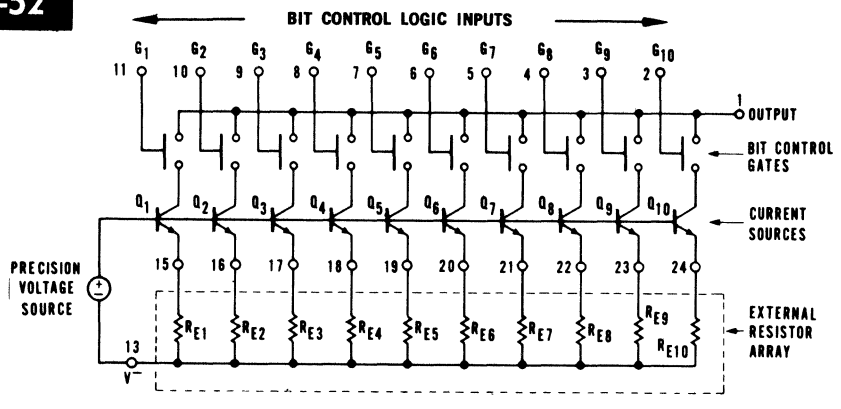
	RDS(ON)
K02-48	30Ω
K02-48a	80Ω
K02-48b	10Ω
K02-48c	15Ω
K02-48d	50Ω
K02-48e	35Ω
K02-48f	20Ω
K02-48g	100Ω
K02-48h	30Ω
K02-48j	35Ω
K02-48k	80Ω
K02-48m	10Ω
K02-48n	15Ω
K02-48p	20Ω
K02-48q	50Ω
K02-48r	100Ω

K02-49

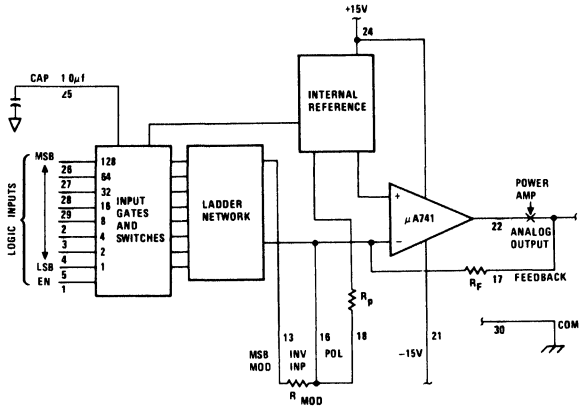


	RDS(ON)
K02-49	80Ω
K02-49a	30Ω
K02-49b	10Ω
K02-49c	15Ω
K02-49d	50Ω
K02-49e	35Ω
K02-49f	20Ω
K02-49g	100Ω
K02-49h	30Ω
K02-49j	35Ω
K02-49k	80Ω
K02-49m	10Ω
K02-49n	15Ω
K02-49p	20Ω
K02-49q	50Ω
K02-49r	100Ω

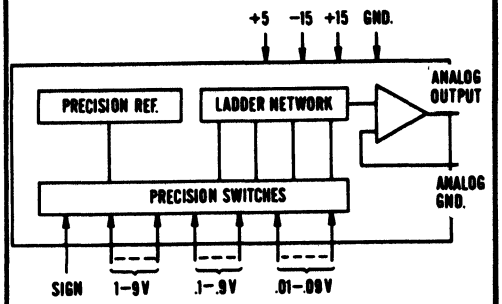
K02-52



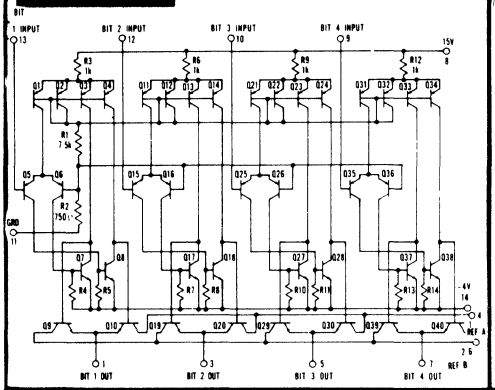
K02-56



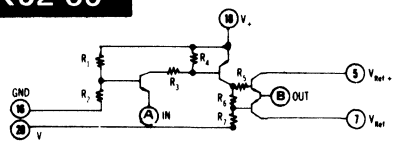
K02-57



K02-58

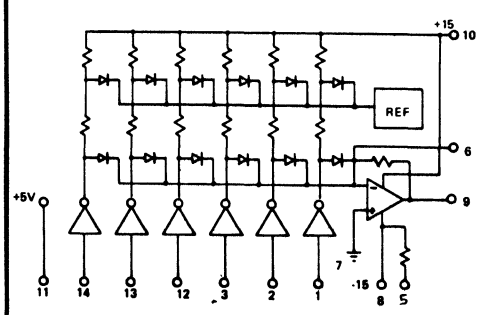


K02-60

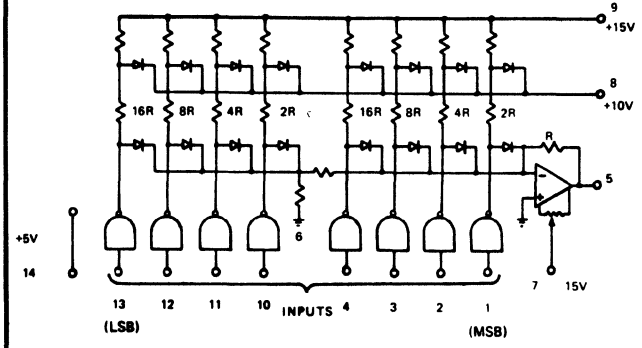


K02-60	CKT	A	B
	1	21	3
	2	19	4
	3	17	6
	4	15	8
	5	13	9

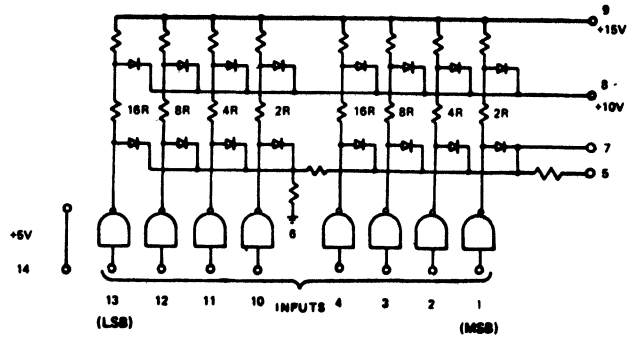
K02-61



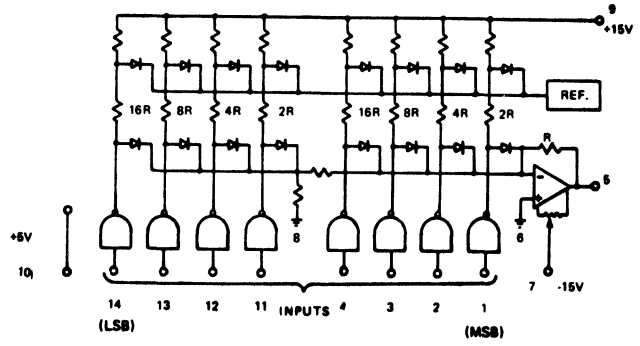
K02-62



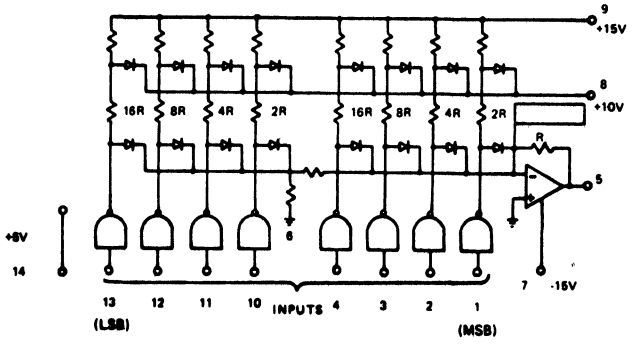
K02-63



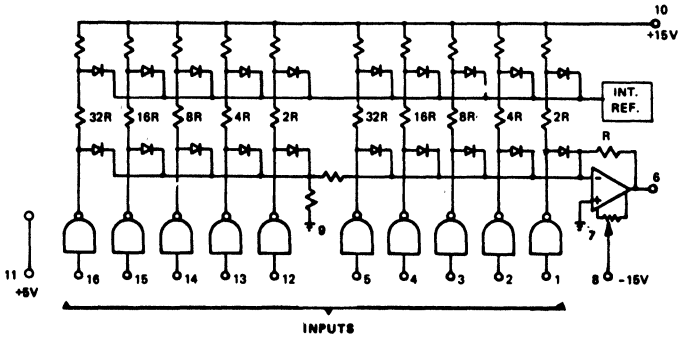
K02-64



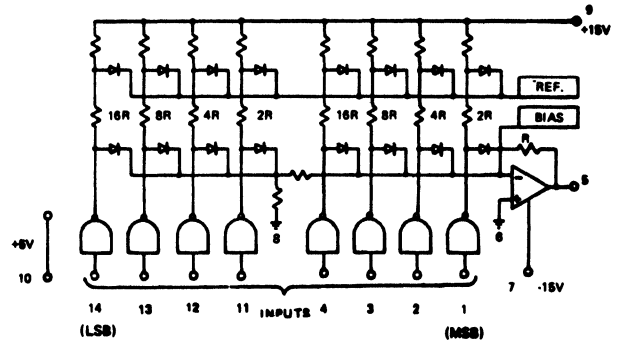
K02-65



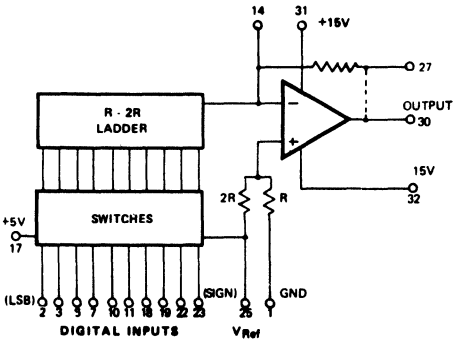
K02-66



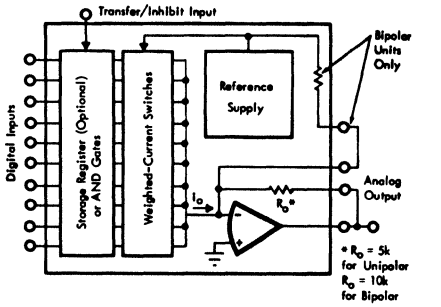
K02-67



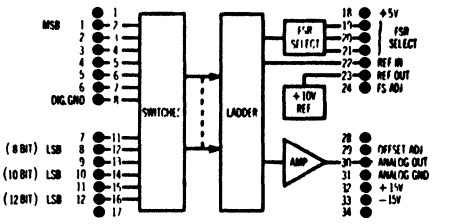
K02-68



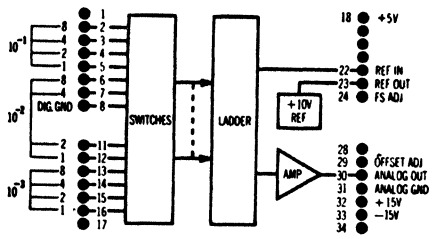
K02-69



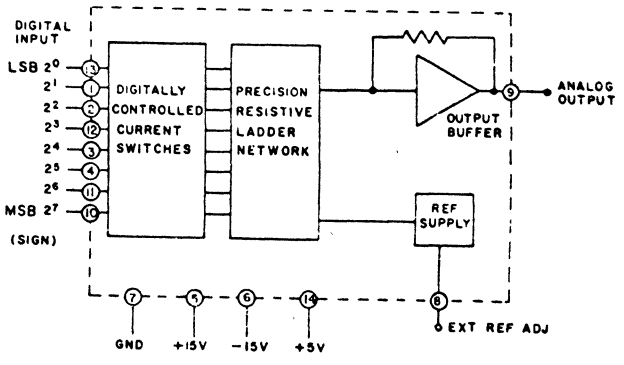
K02-70



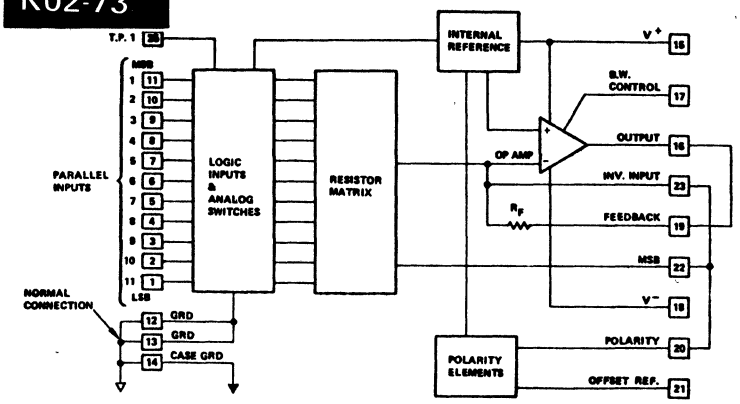
K02-71



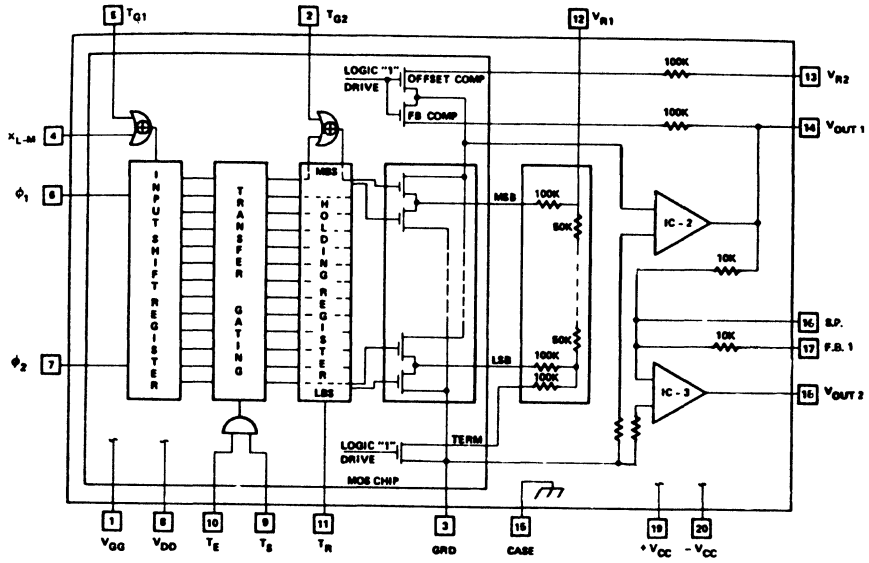
K02-72



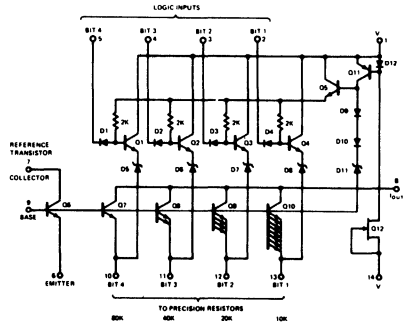
K02-73



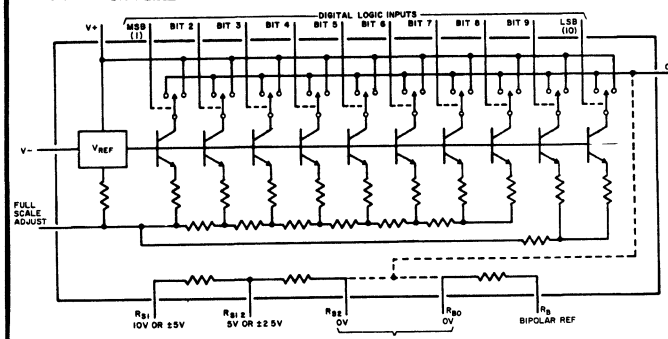
K02-74



K02-75



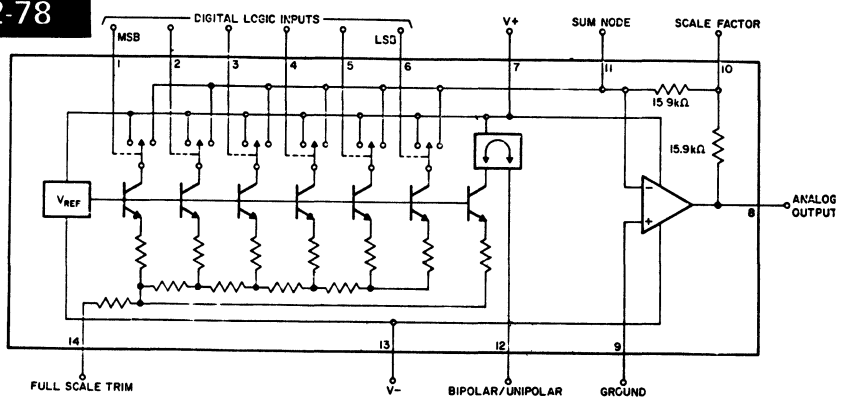
K02-77



NOTE:
DOTTED SECTION FOR K02-77a ONLY

APPLIES FOR K02-77 ONLY

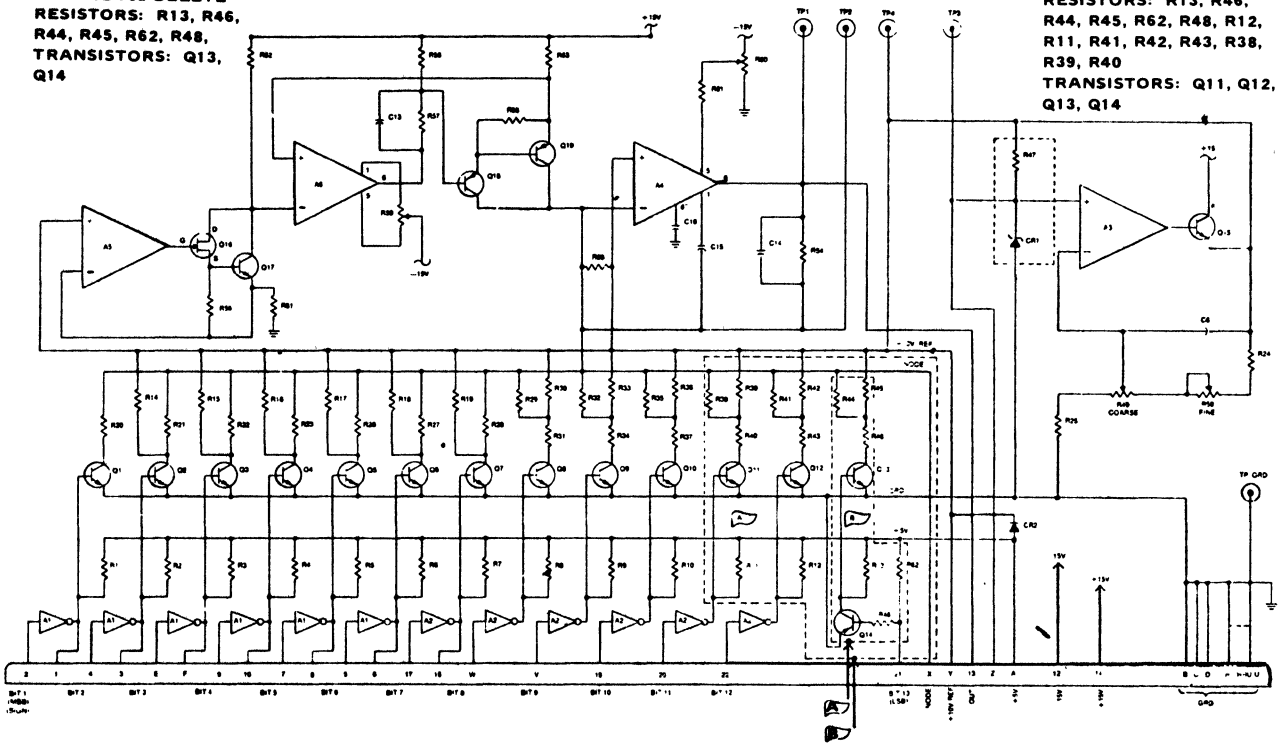
K02-78



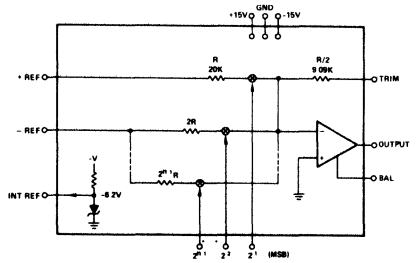
K02-79

NOTE: FOR K02-79a DELETE RESISTORS: R13, R46, R44, R45, R62, R48, TRANSISTORS: Q13, Q14

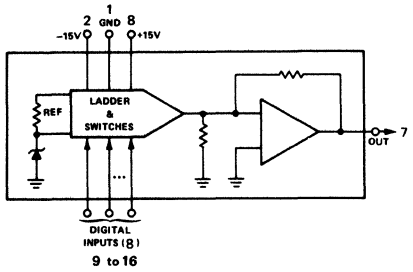
NOTE: FOR K02-79b DELETE RESISTORS: R13, R46, R44, R45, R62, R48, R12, R11, R41, R42, R43, R38, R39, R40 TRANSISTORS: Q11, Q12, Q13, Q14



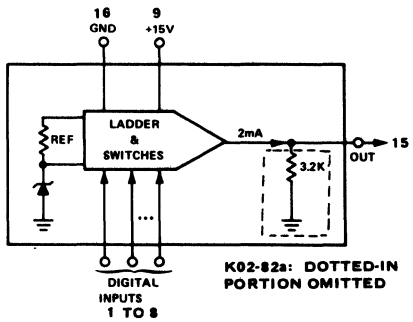
K02-80



K02-81

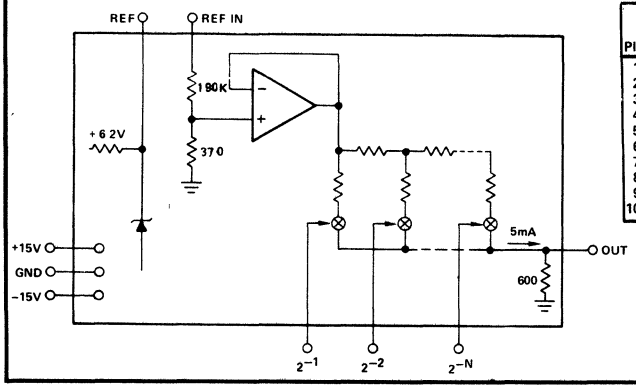


K02-82



K02-82a: DOTTED-IN PORTION OMITTED

K02-83



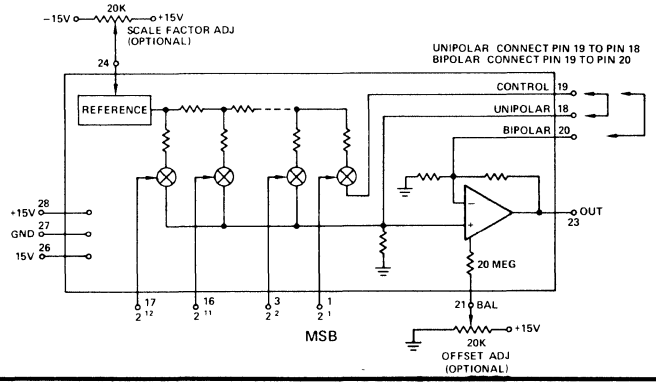
K02-83			
PIN		PIN	
1	+15V	18	REF
2	-15V		
3	REF IN		
4	GND	17	OUT
5	2^{-12}	16	2^{-1} MSB
6	2^{-11}	15	2^{-2}
7	2^{-10}	14	2^{-3}
8	2^{-9}	13	2^{-4}
9	2^{-8}	12	2^{-5}
10	2^{-7}	11	2^{-6}

K02-83a			
PIN		PIN	
K	KEY		
1	2^{-12}	28	+15V
2	2^{-11}	27	GND
3	2^{-10}	26	-15V
4	2^{-9}	25	N.C.
5	2^{-8}	24	N.C.
6	2^{-7}	23	N.C.
7	N.C.	22	N.C.
8	N.C.	21	REF IN
9	2^{-6}	20	REF
10	2^{-5}	19	N.C.
11	2^{-4}	18	N.C.
12	2^{-3}	17	N.C.
13	2^{-2}	16	OUT
14	2^{-1}	15	GND

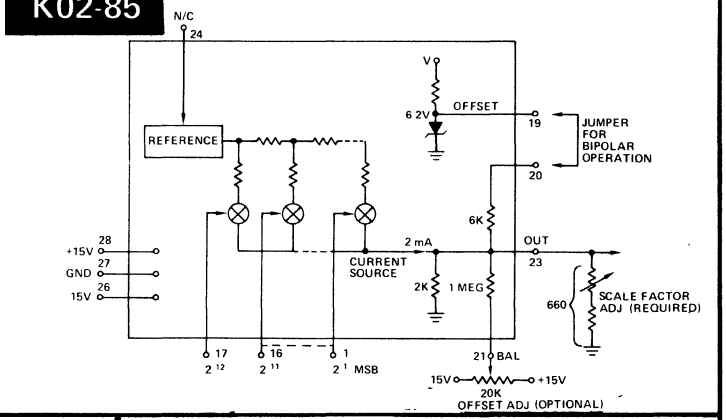
SECTION 12. LOGIC DRAWING

IN DRAWING NUMBER SEQUENCE

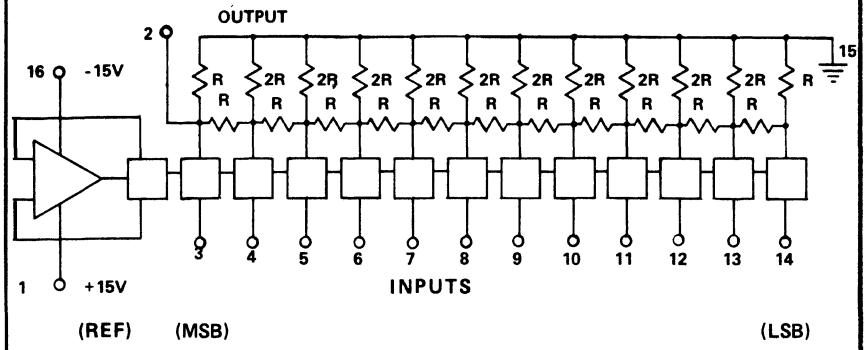
K02-84



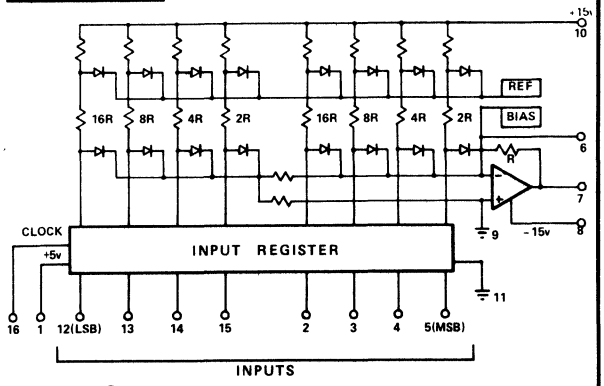
K02-85



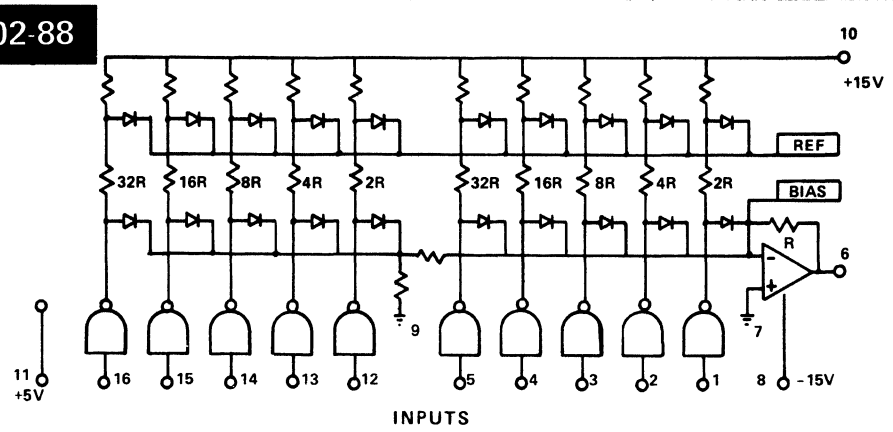
K02-86



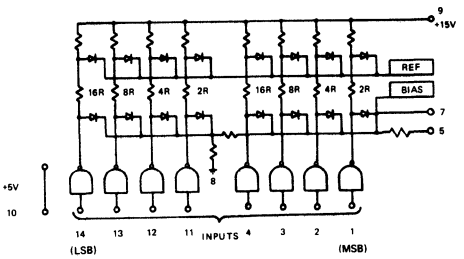
K02-87



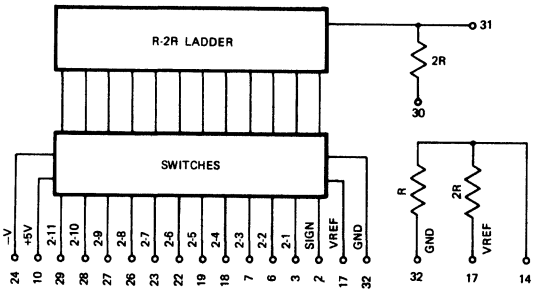
K02-88



K02-89



K02-90



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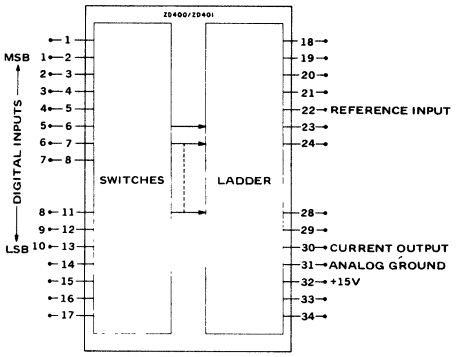

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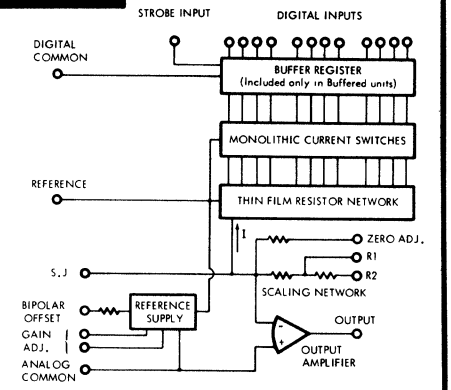

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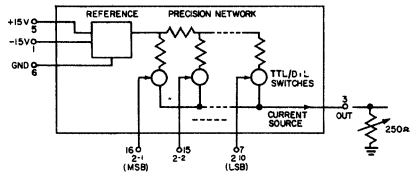

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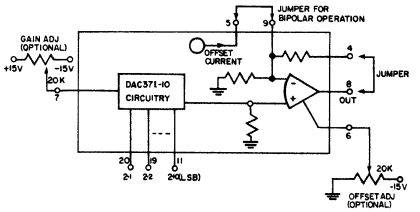

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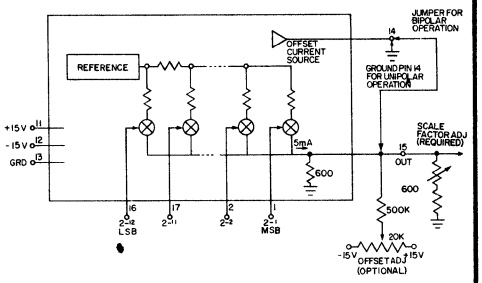
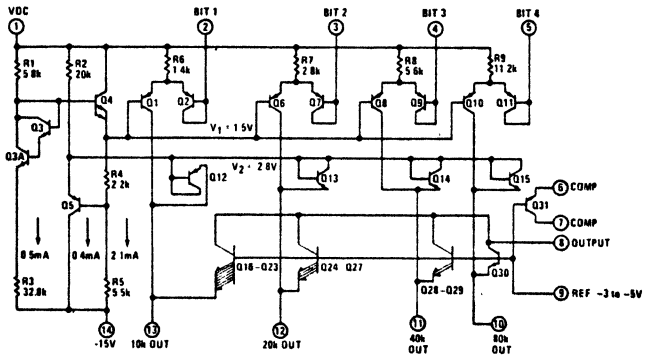


K02-103



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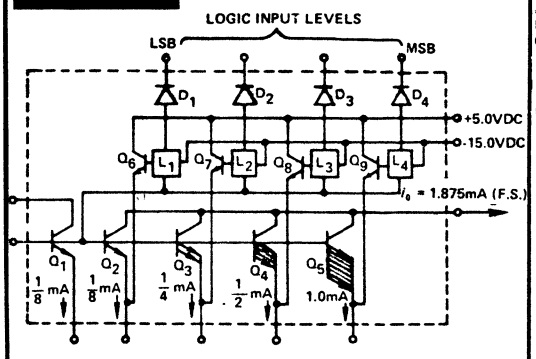

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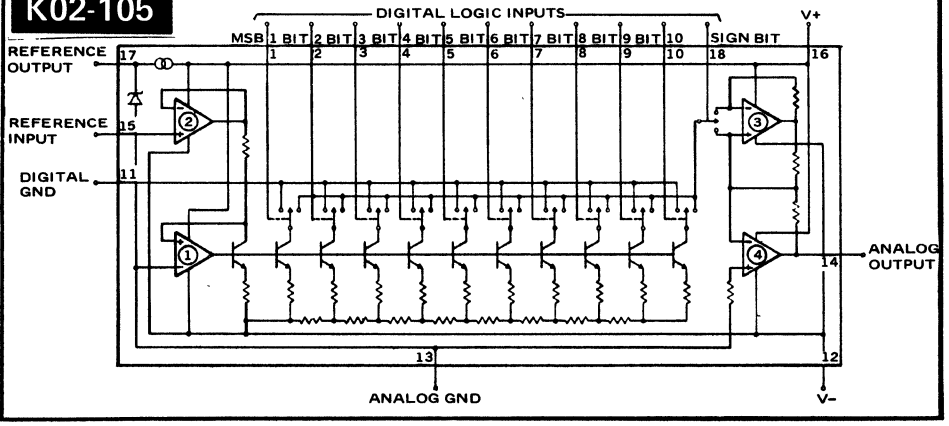

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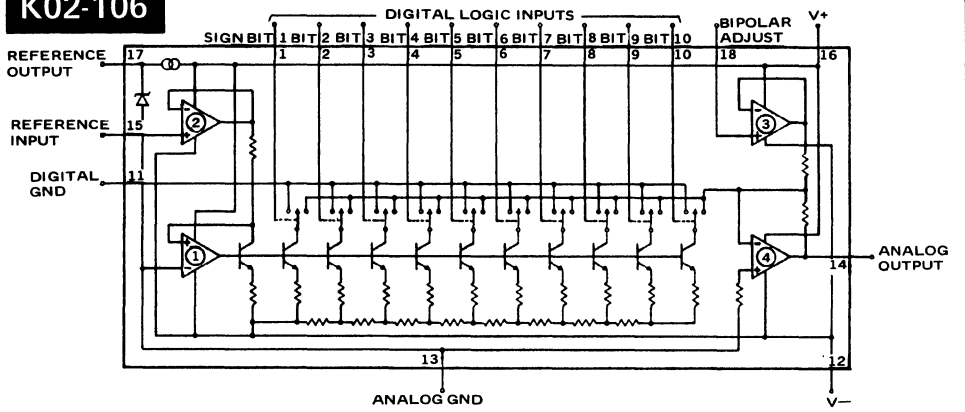

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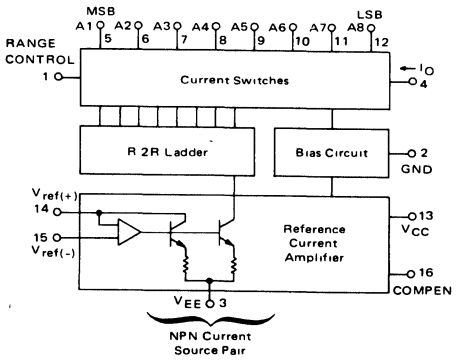

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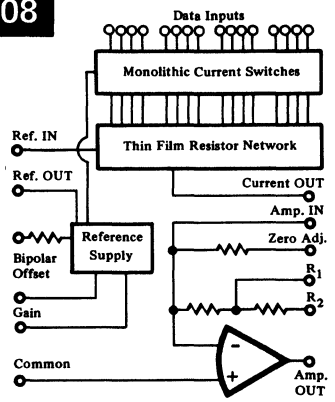

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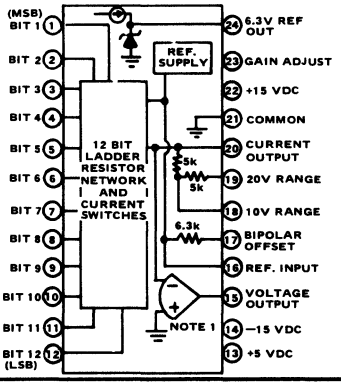

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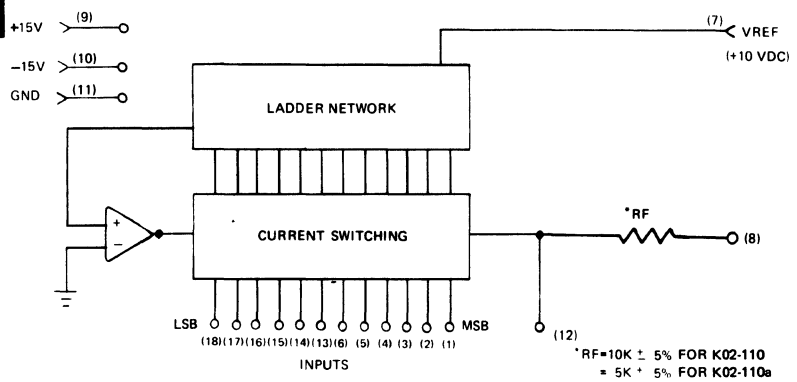
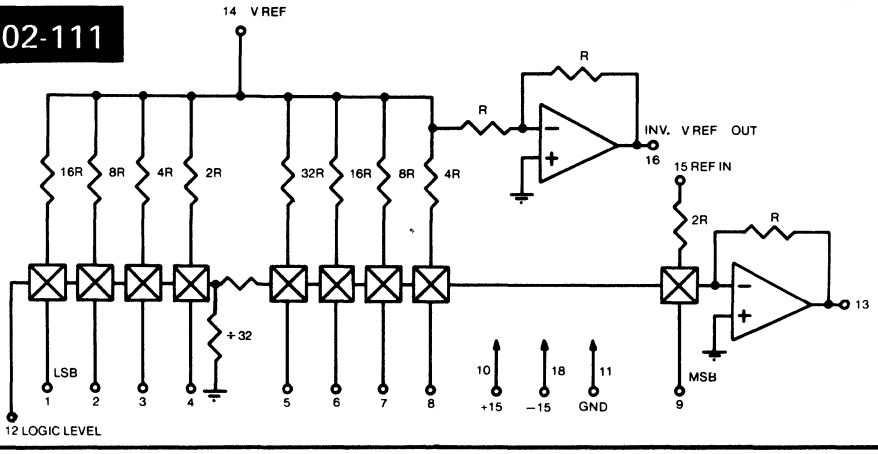
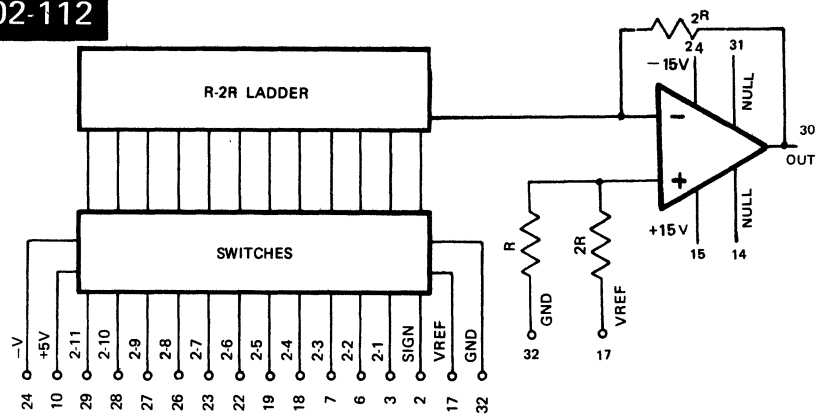


K02-111

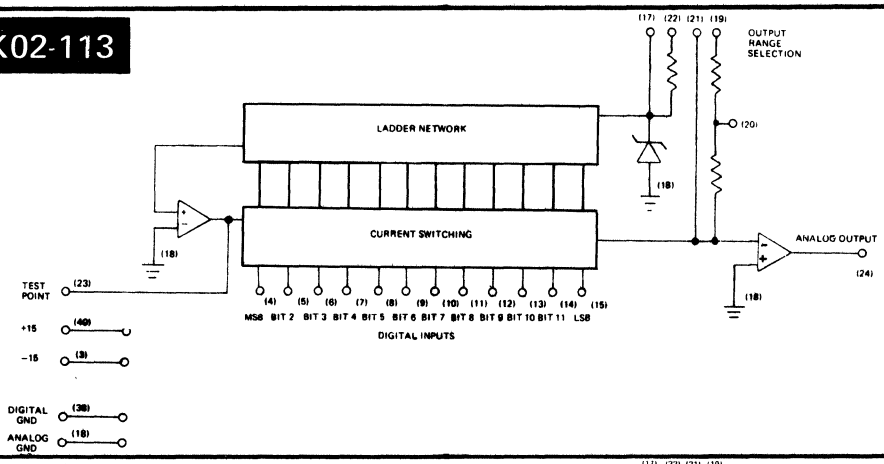


ALL DIMENSIONS IN INCHES

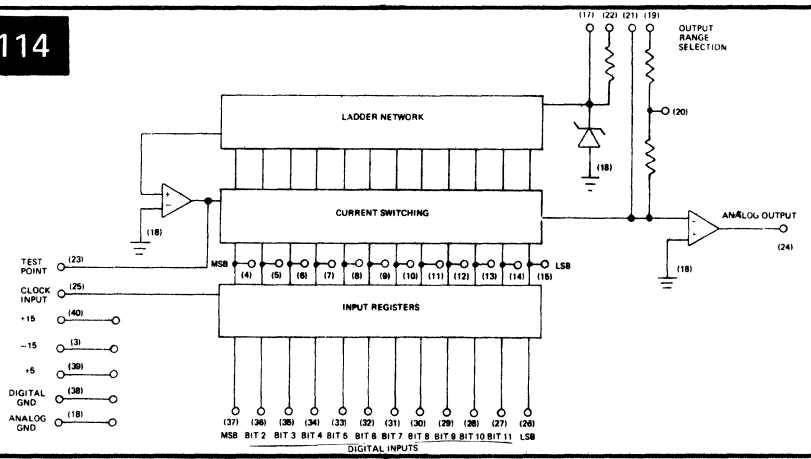
K02-112



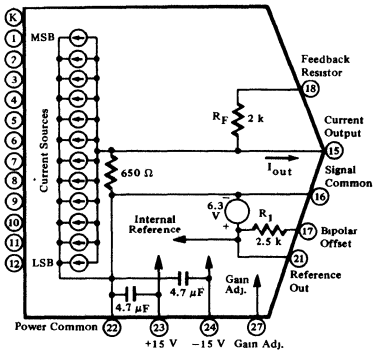
K02-113



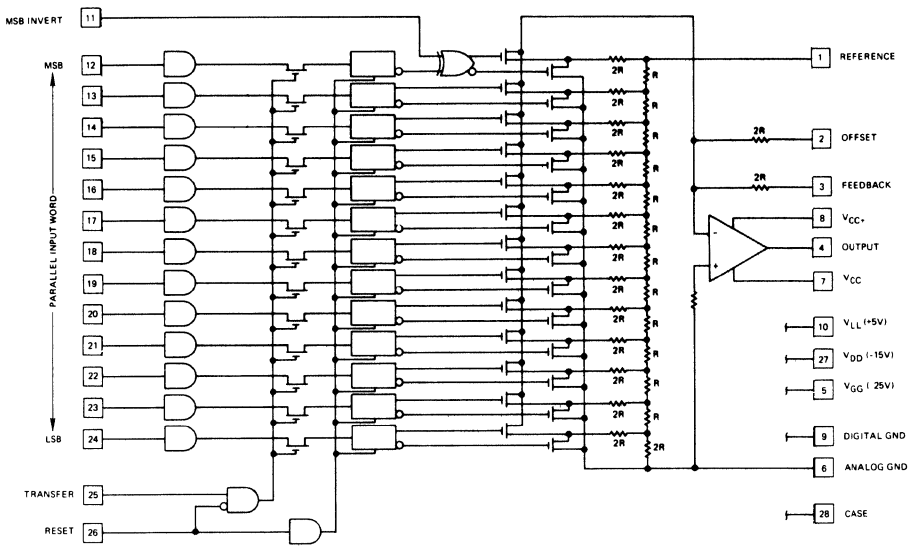
K02-114



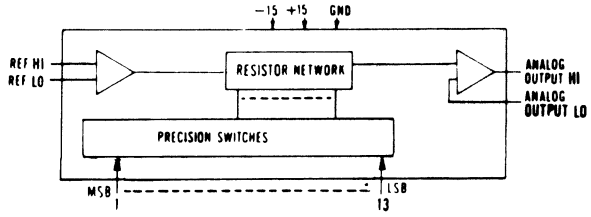
K02-115



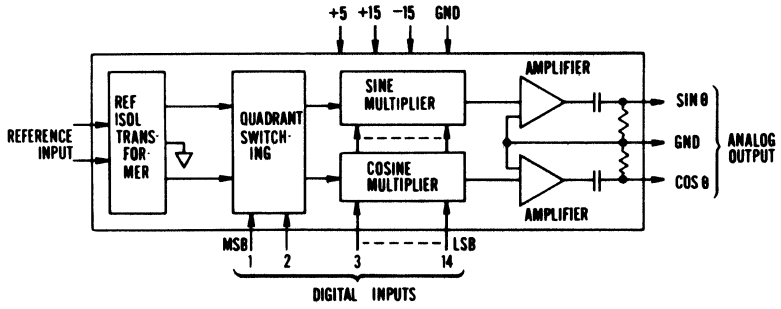
K02-116



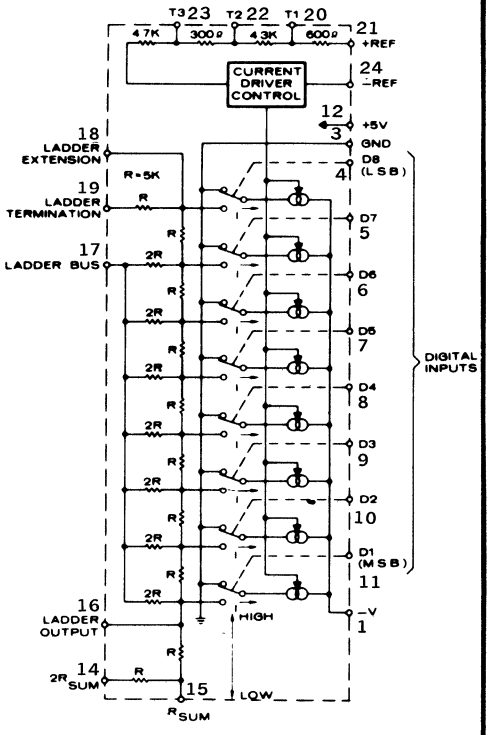
K02-117



K02-118



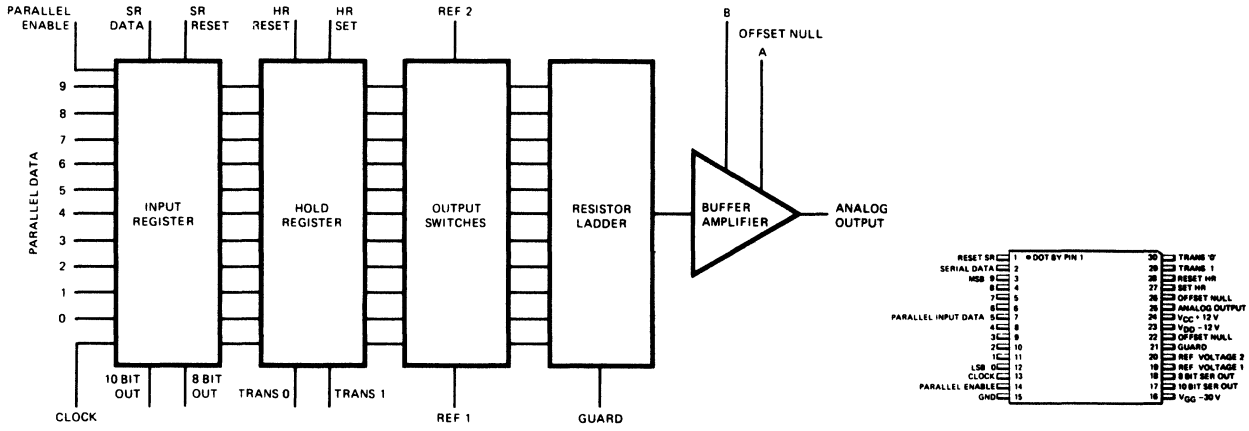
K02-119



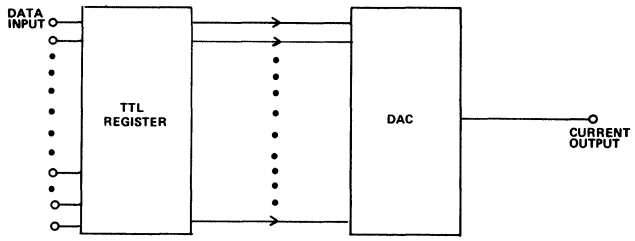
SECTION 12. LOGIC DRAWING

IN DRAWING NUMBER SEQUENCE

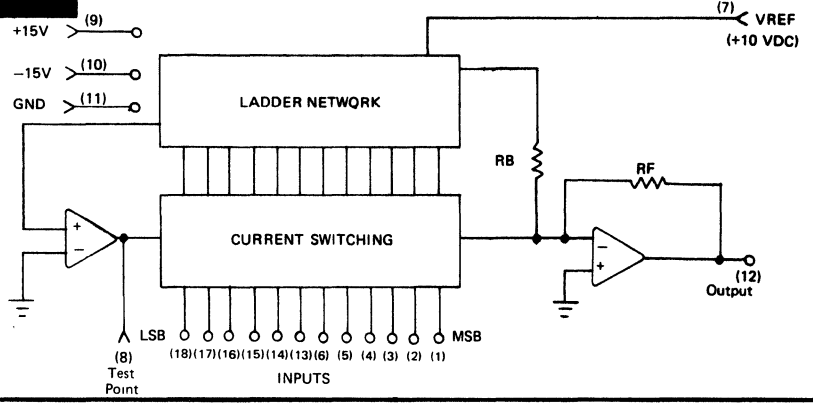
K02-120



K02-121



K02-122



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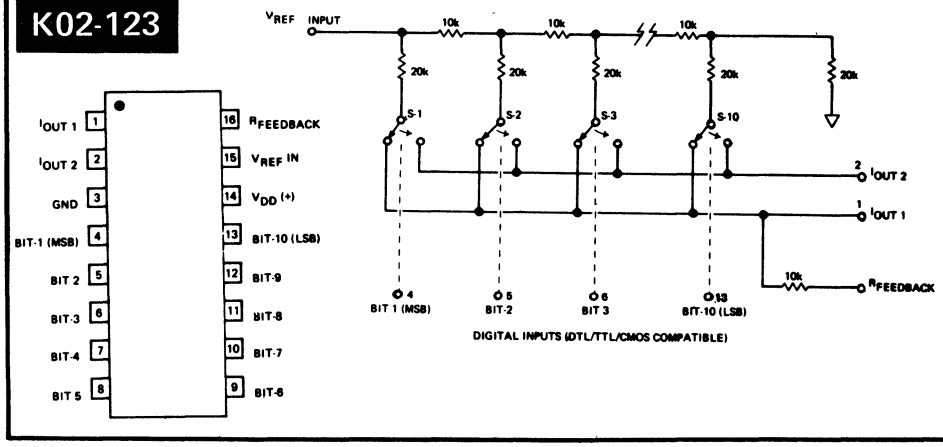
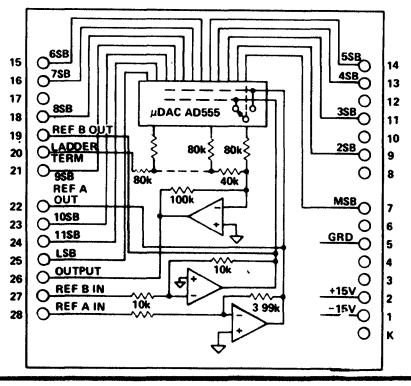
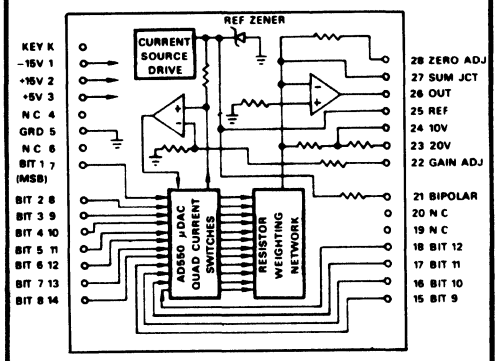


K02-124

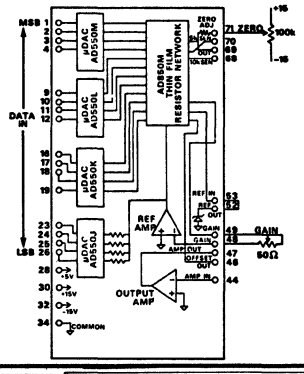


K02-125

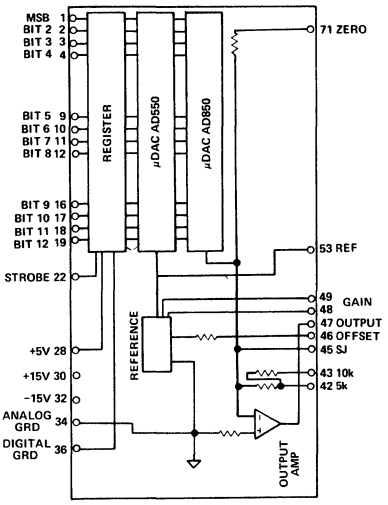
NOTE PINS SHOWN AS HAVING NO CONNECTIONS (N.C.) ARE DELETED

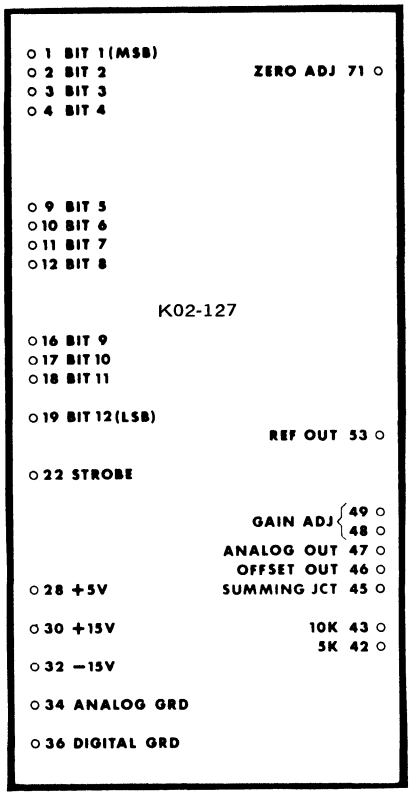


K02-126

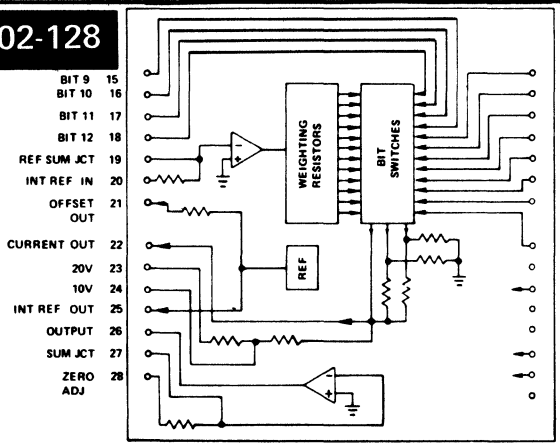


K02-127

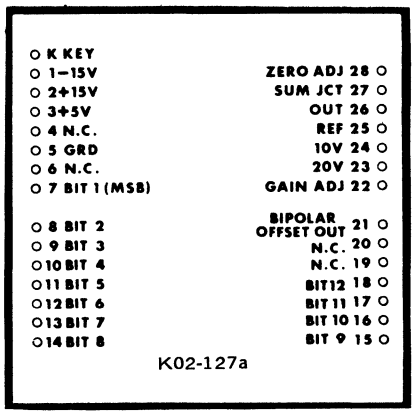




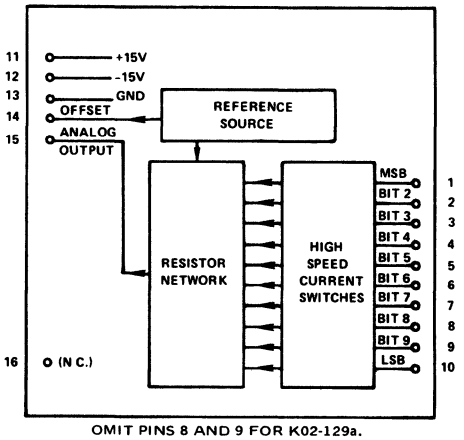
K02-128



NOTE PINS SHOWN AS HAVING NO CONNECTION (N C) ARE DELETED

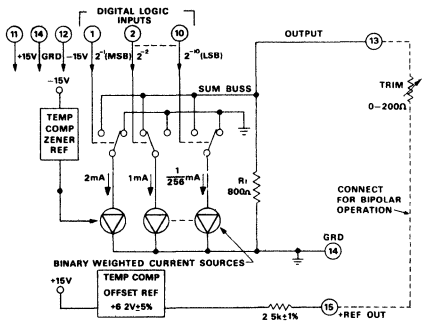


K02-129



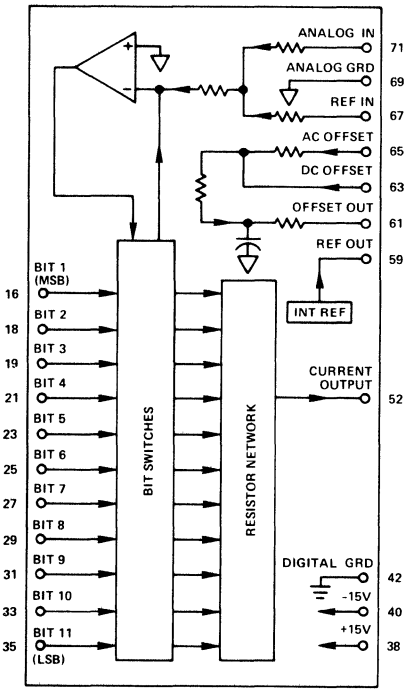
OMIT PINS 8 AND 9 FOR K02-129a.

K02-130

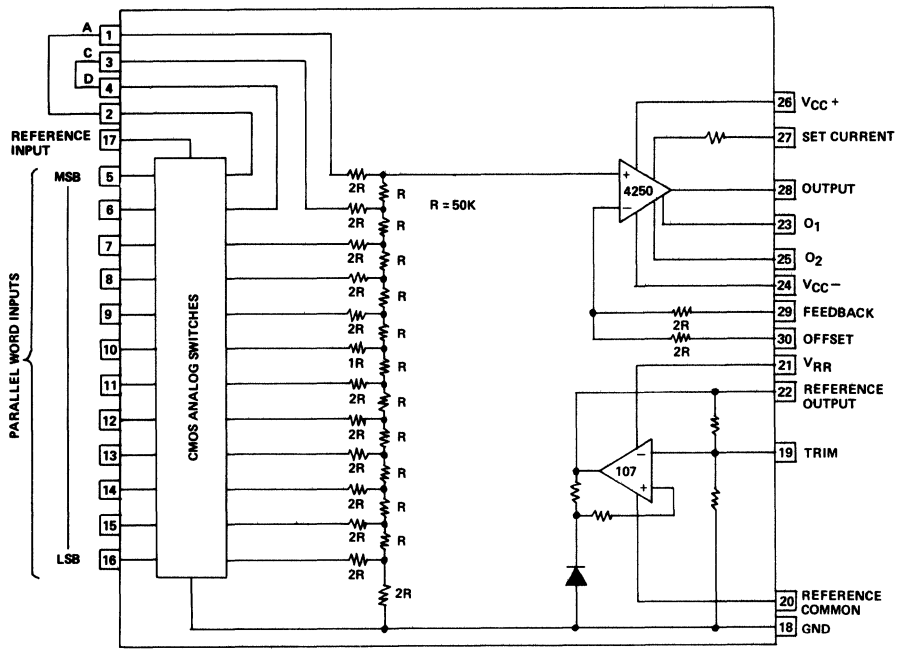


MODULE PIN	CARD PIN	FUNCTION
1	A	BIT 1 (MSB)
2	B	BIT 2
3	C	BIT 3
4	D	BIT 4
5	E	BIT 5
6	F	BIT 6
7	H	BIT 7
8	J	BIT 8
9	K	BIT 9
10	L	BIT 10 (LSB)
11	X	+15V
12	Y	-15V
13	U	D/A OUTPUT
14	Z	GRD
15	V	+REF OUTPUT

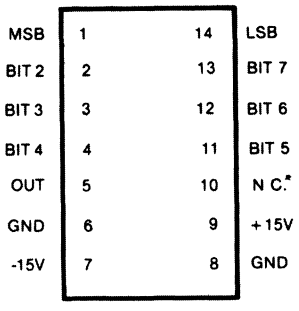
K02-131

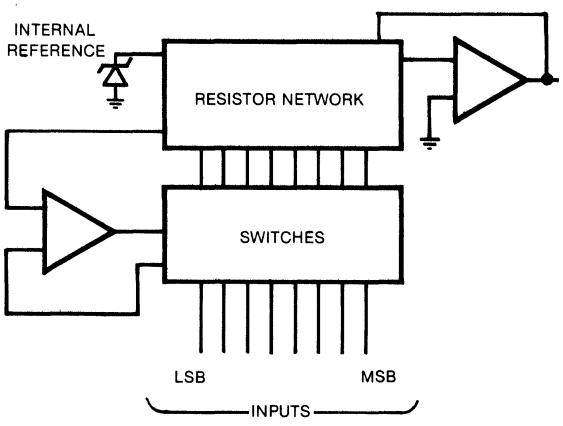


K02-132



K02-133





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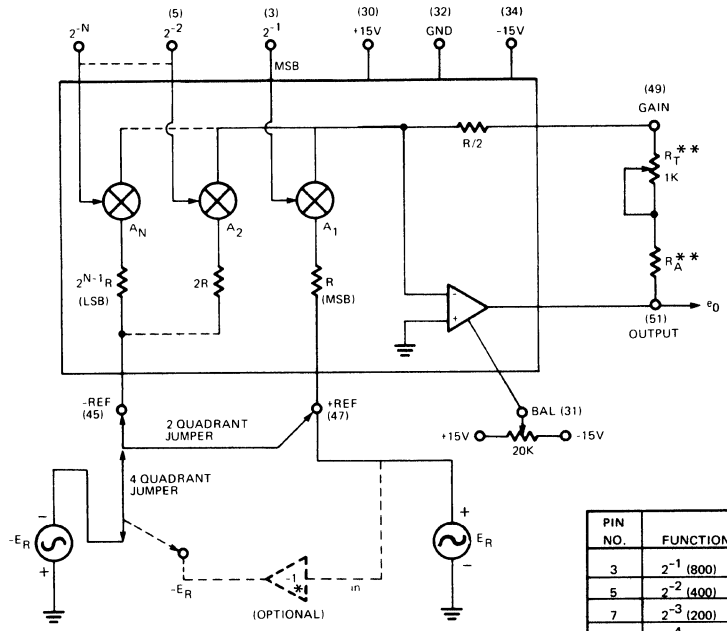
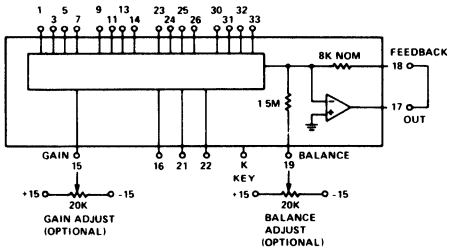
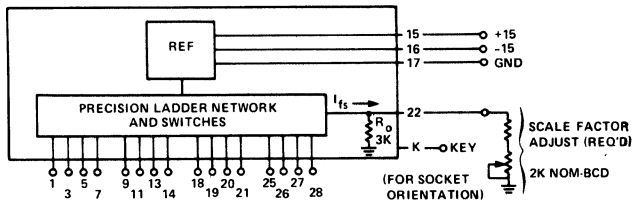


PIN NO.	FUNCTION	PIN NO	FUNCTION
3	2^{-1} (800)	23	2^{-11} (2)
5	2^{-2} (400)	25	2^{-12} (1)
7	2^{-3} (200)	30	+15 VDC
9	2^{-4} (100)	31	BALANCE
11	2^{-5} (80)	32	GRD
13	2^{-6} (40)	34	-15 VDC
15	2^{-7} (20)	45	-REF
17	2^{-8} (10)	47	+REF
19	2^{-9} (8)	49	GAIN
21	2^{-10} (4)	51	OUT

K02-135

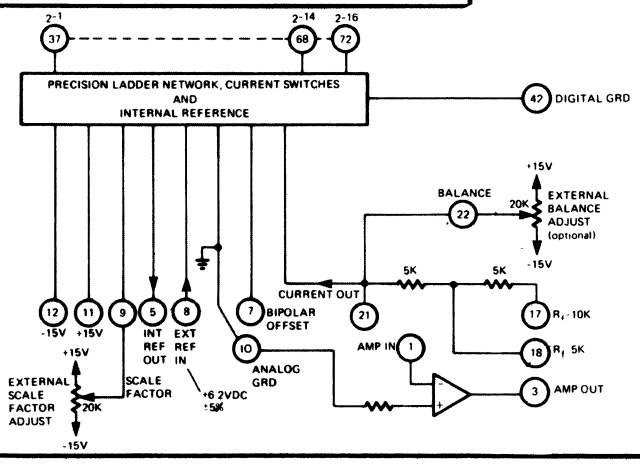


K02-136

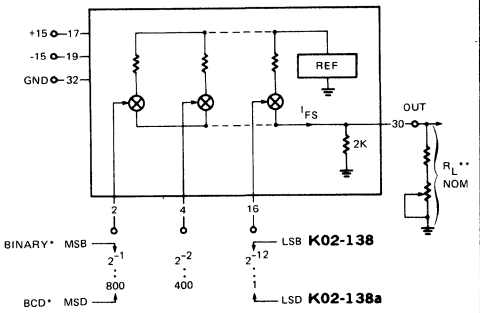


K02-137

PIN	FUNCTION
1	AMP IN
3	AMP OUT
5	REF OUT
7	BIPOLAR
8	REF IN
9	SCALE FACTOR
10	ANALOG GRD
11	+15V
12	-15V
17	10K
18	5K
21	I OUT
22	BAL
37	2^{-1}
40	2^{-2}
42	DIGITAL GRD
43	2^{-3}
49	2^{-4}
51	2^{-5}
53	2^{-6}
55	2^{-7}
57	2^{-8}
59	2^{-9}
61	2^{-10}
63	2^{-11}
65	2^{-12}
66	2^{-13}
68	2^{-14}
70	2^{-15}
72	2^{-16}

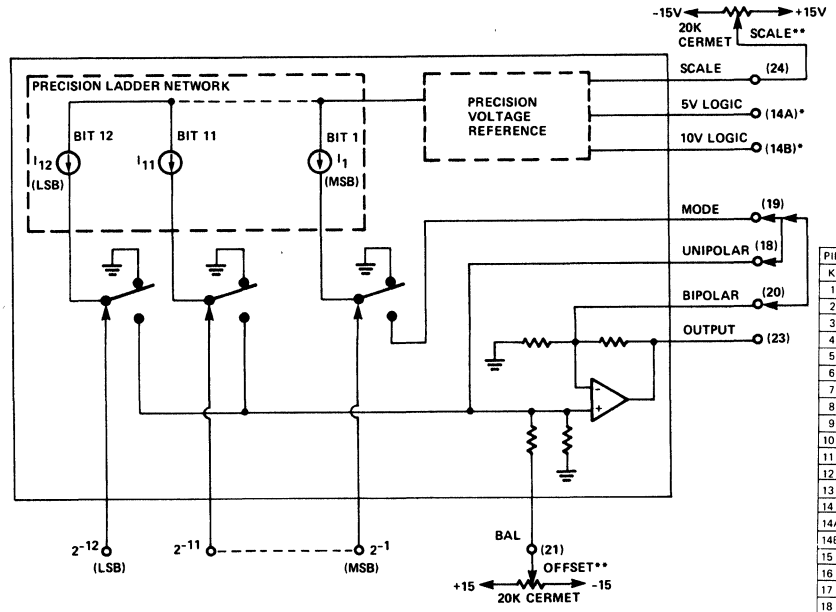


K02-138



PIN	K02-138	K02-138a
1	N/C	N/C
2	2^{-1} (MSB)	800 (MSD)
3	N/C	N/C
4	2^{-2}	400
5	N/C	N/C
6	N/C	N/C
7	2^{-3}	200
8	2^{-4}	100
9	2^{-5}	80
10	2^{-6}	40
11	2^{-7}	20
12	2^{-8}	10
13	2^{-9}	8
14	2^{-10}	4
15	2^{-11}	2
16	2^{-12} (LSB)	1 (LSD)
17	+15V	+15V
19	-15V	-15V
30	OUTPUT	OUTPUT
32	GROUND	GROUND

K02-139

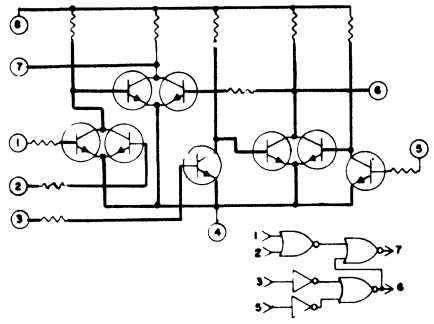


PIN	FUNCTION
K	KEY
1	2^{-1}
2	NC
3	2^{-2}
4	NC
5	2^{-3}
6	NC
7	2^{-4}
8	NC
9	2^{-5}
10	NC
11	2^{-6}
12	2^{-7}
13	2^{-8}
14	2^{-9}
14A	5V LOGIC
14B	10V LOGIC
15	2^{-10}
16	2^{-11}
17	2^{-12}
18	UNIPOLAR
19	MODE CONTROL
20	BIPOLAR
21	BALANCE
22	NC
23	OUTPUT
24	SCALE FACTOR
25	NC
26	-15V
27	GRD
28	+15V

* Ground 14A for 5V LOGIC
Ground 14B for 10V LOGIC

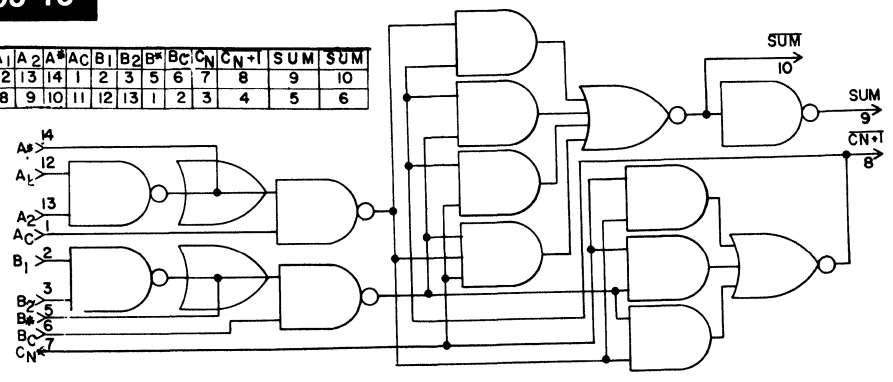
** Optional — make no connection if unused.

K03-11

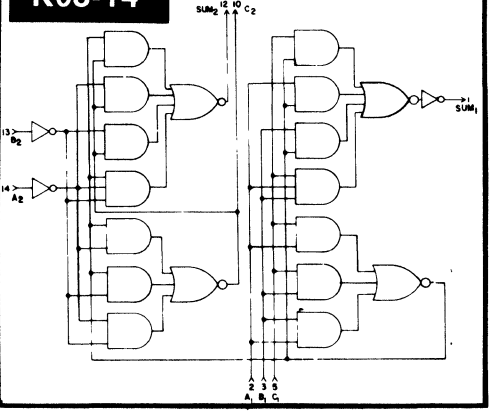


K03-13

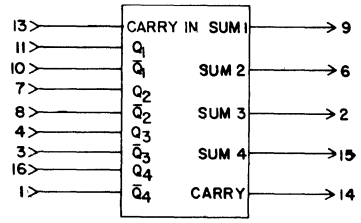
	A_1	A_2	A_C	B_1	B_2	B_C	C_N	C_{N+1}	SUM	SUM
FP	12	13	14	1	2	3	5	6	7	8	9	10
MP	8	9	10	11	12	13	1	2	3	4	5	6



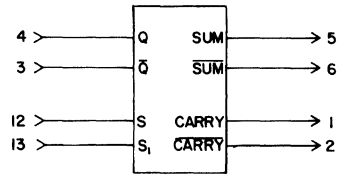
K03-14



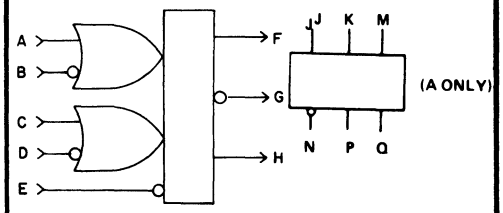
K03-15



K03-17



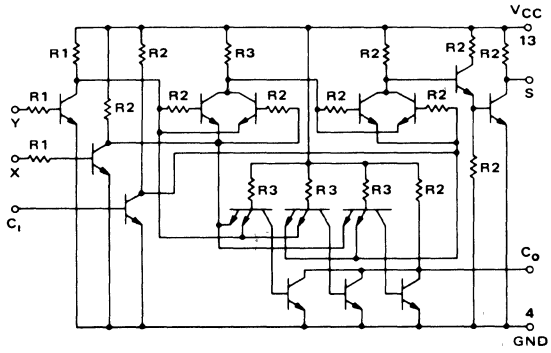
K03-18



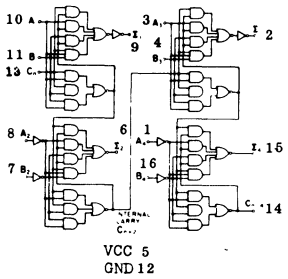
	CKT.NO.	A	B	C	D	E	F	G	H	J	K	M	N	P	Q
K03-18	1	2		3		4	5	7	6						
	2	14	1	13	15	12	11	9	10						
K03-18a	1	41	49	38	37	39	44	40	42	48	50	47	45	46	43
	2	23	31	20	19	21	26	22	24	30	32	29	27	28	25
	3	7	15	4	3	5	10	6	8	14	16	13	11	12	9

K03-19

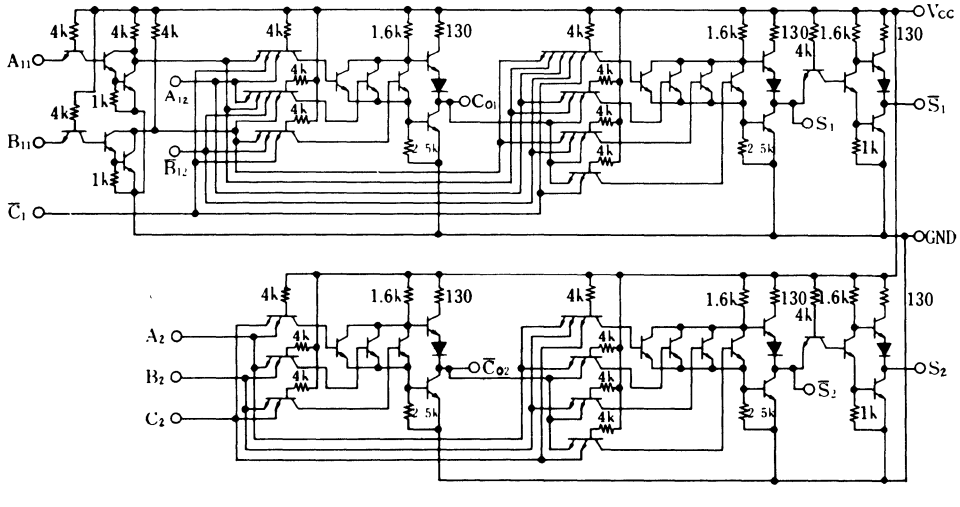
CKT	X	Y	S	Cin	Cout
1	14	15	1	16	6
2	12	11	10	16	6
3	2	3	5	16	6
4	9	8	7	16	6



K03-20



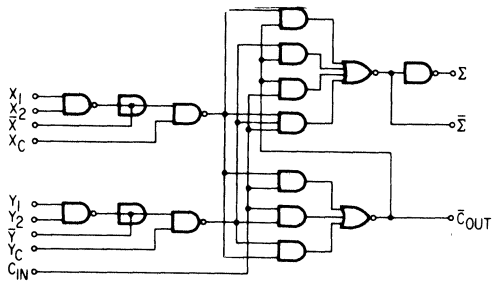
K03-21



CKT NO	A_{11}	$\bar{A}_{12}$	B_{11}	$\bar{B}_{12}$	$\bar{C}_1$	C_{01}	$\bar{S}_1$	S_1	V_{CC}	COM
1	14	1	13	15	12	11	9	10	16	8

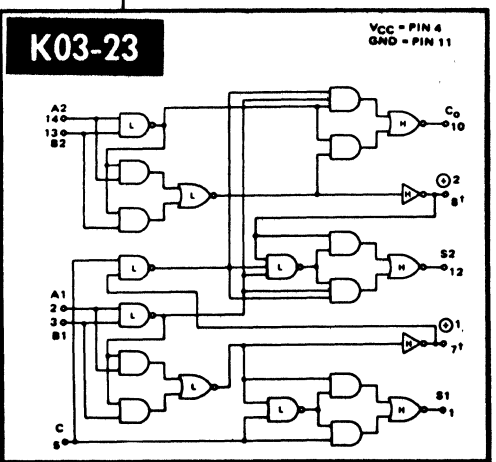
CKT NO	A_2	B_2	C_2	$\bar{C}_{02}$	S_2	$\bar{S}_2$	V_{CC}	COM
2	2	3	4	6	7	6	16	8

K03-22

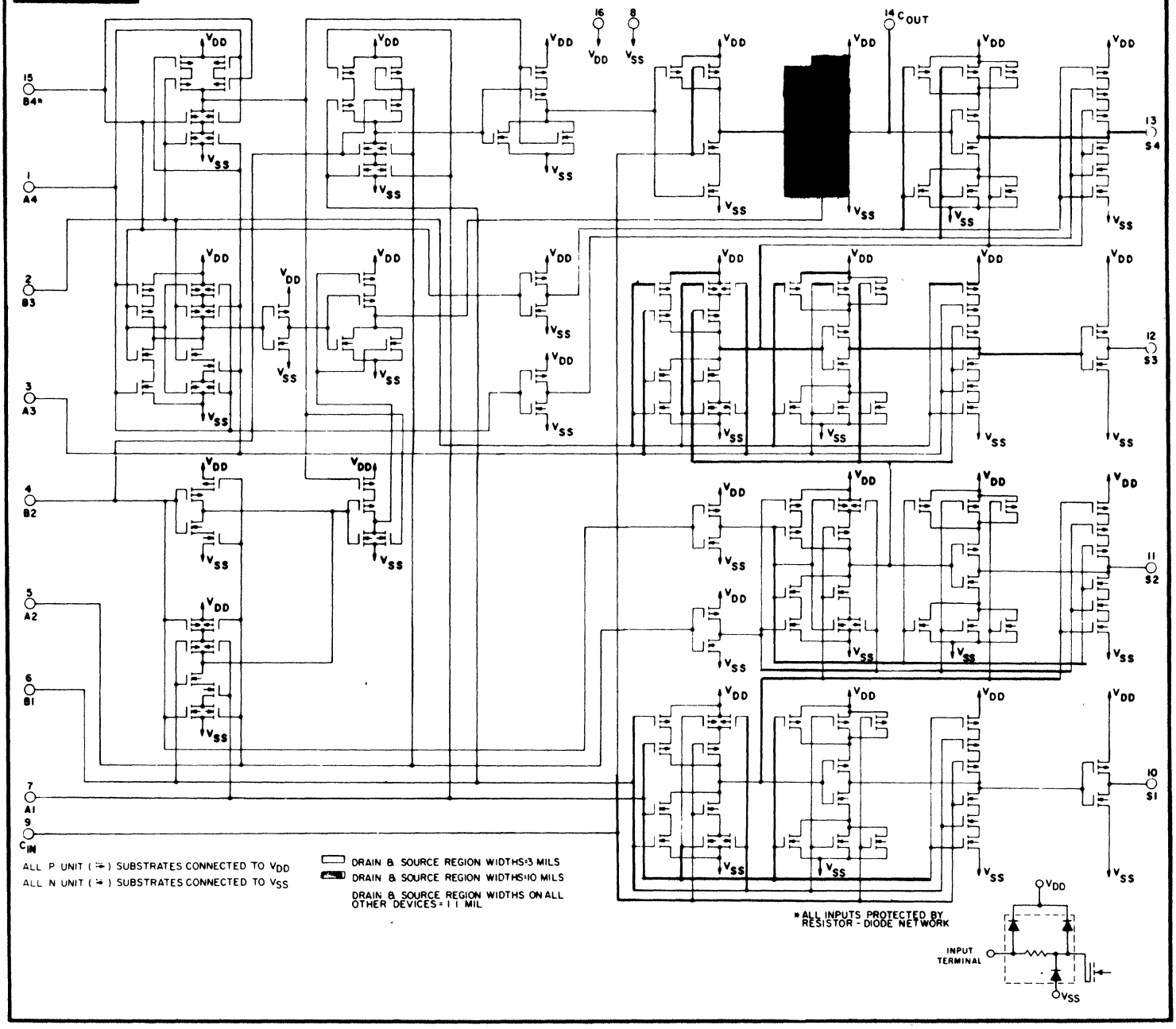


	PKG	X	YC	CIN	COUT	F	F	X1	X2	X	XC	Y1	Y2	VCC	GND
K03-22	MP	1	2	3	4	5	6	8	9	10	1	1	13	14	7
	FP	5	6	7	8	9	10	12	13	14	1	2	3	4	11
K03-22a		1	2	3	4	5	6	8	9	10	11	12	13	7	14

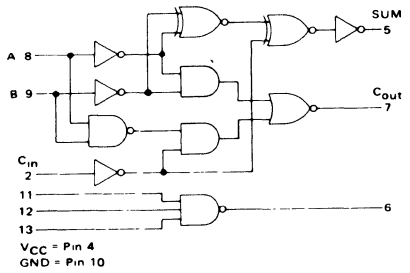
K03-23



K03-26



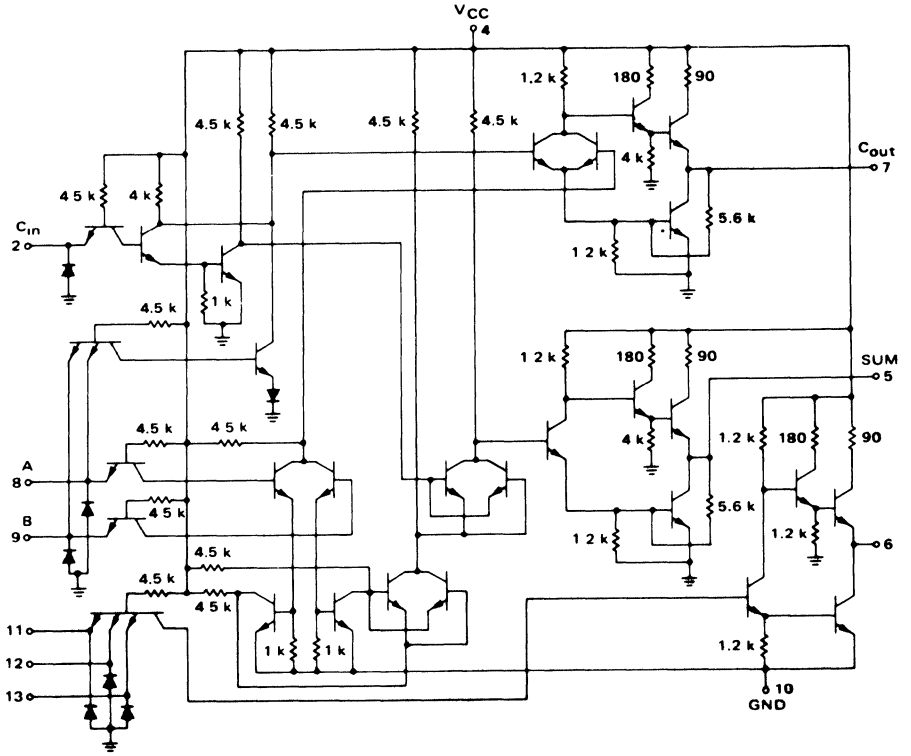
K03-28



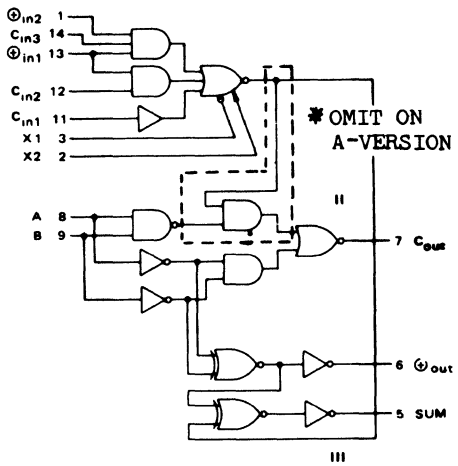
V_{CC} = Pin 4
GND = Pin 10

Input Loading Factor
A, B 2
C_{in}, Pins 11, 12, 13 = 1

Output Loading Factor
MC4326 15 MTTL I Loads
MC4327 7 MTTL I Loads
MC4026 12 MTTL I Loads
MC4027 6 MTTL I Loads

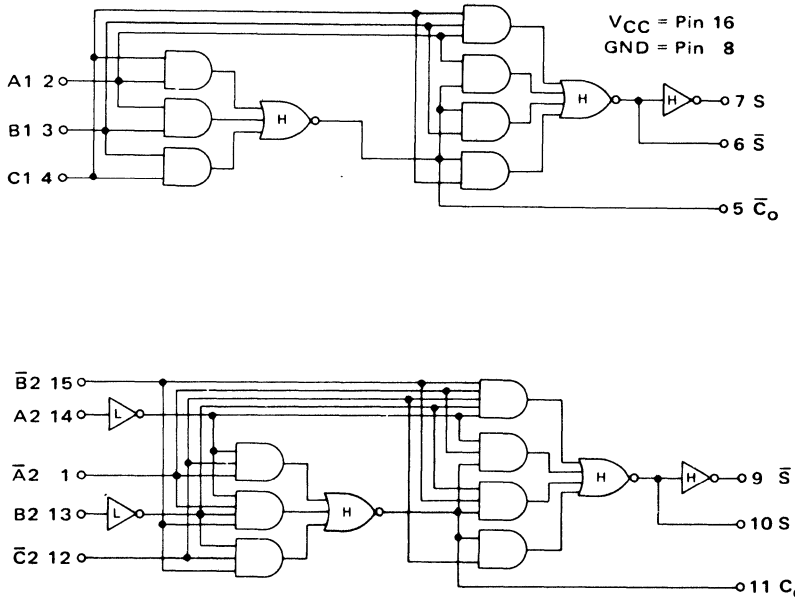


K03-29

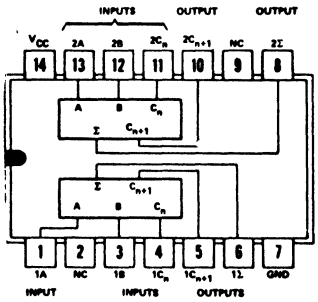


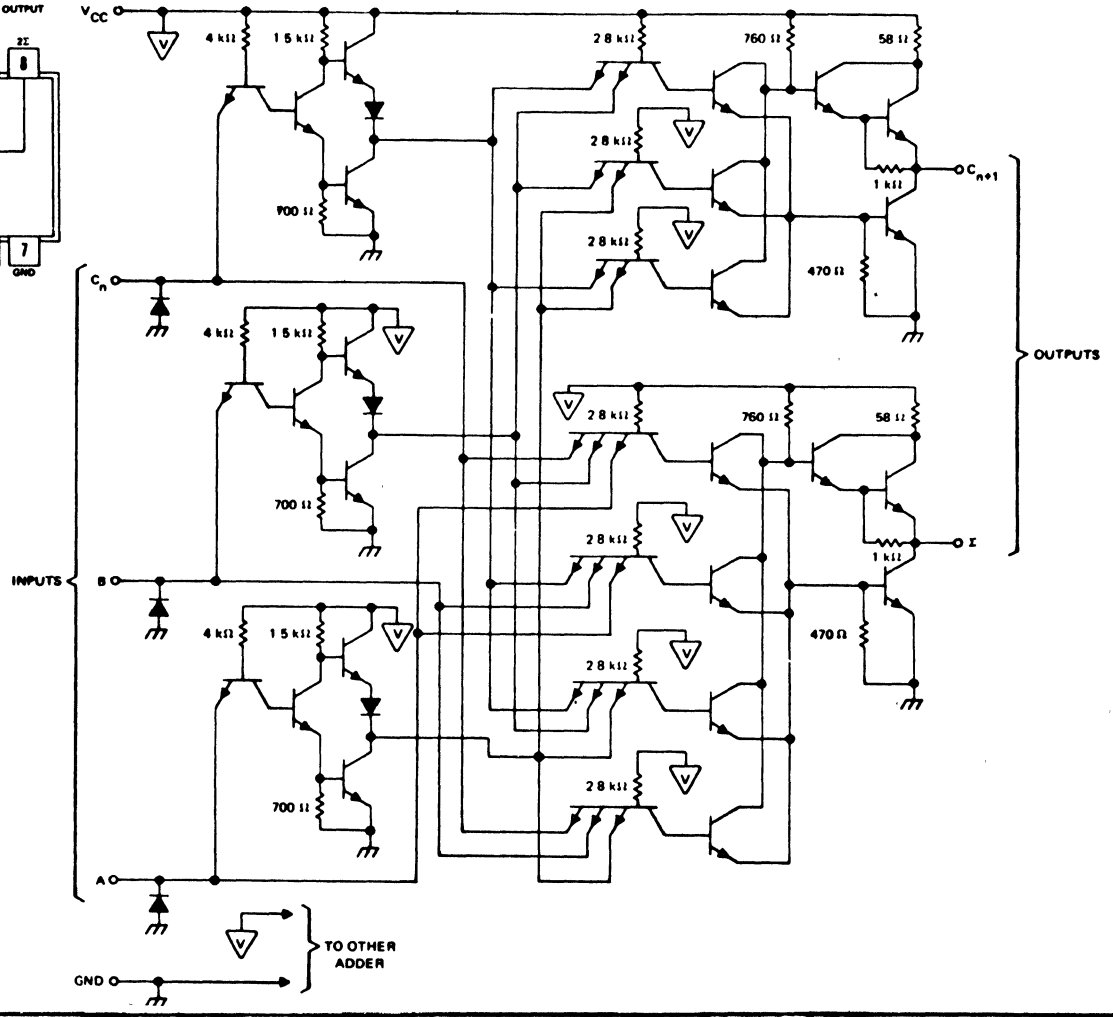
V_{CC} = PIN 4
GND = PIN 10

K03-31

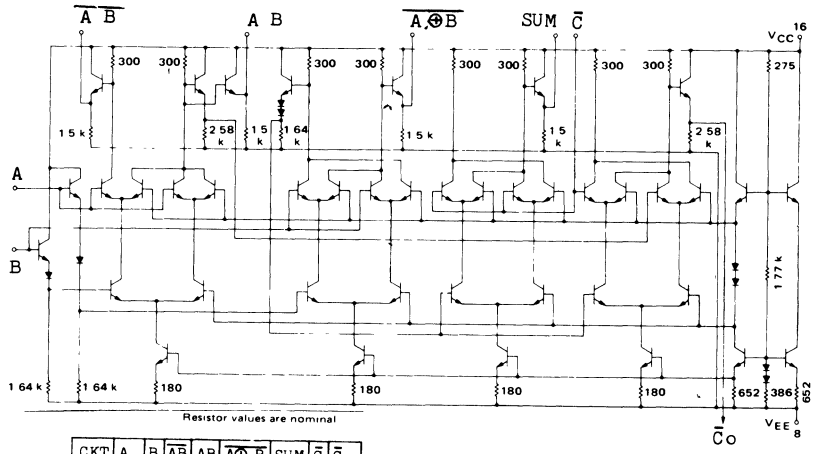


K03-32



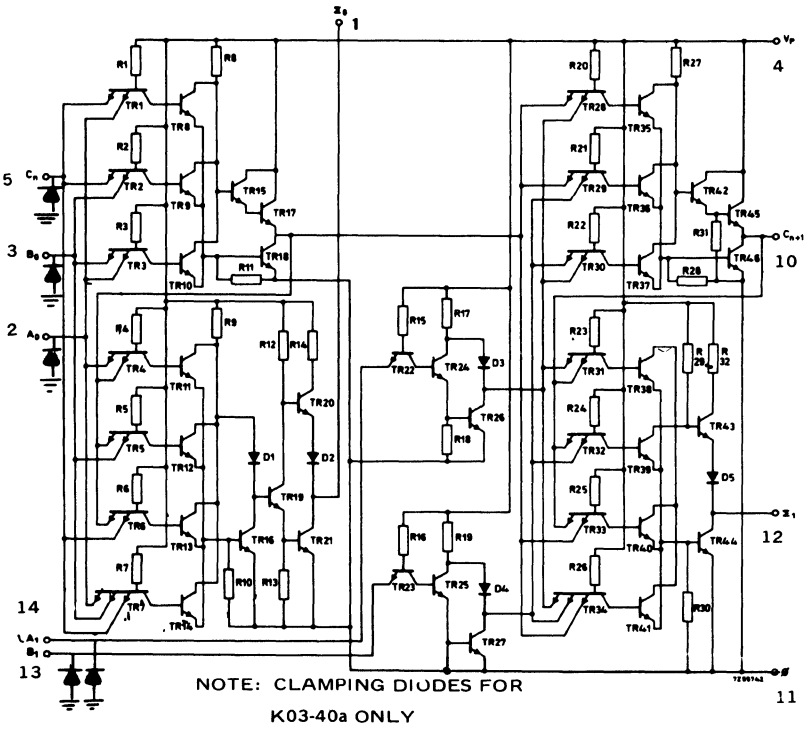


K03-37

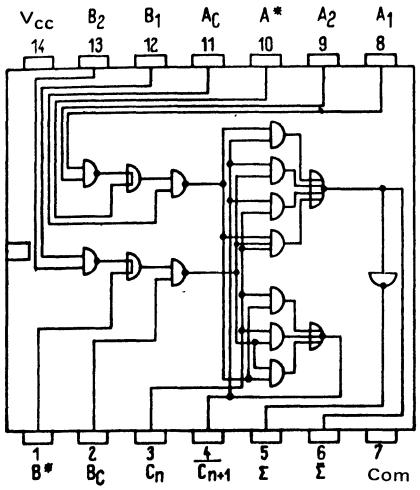


K03-37	CKT	A	B	$\overline{AB}$	AB	$\overline{A \oplus B}$	SUM	$\overline{C}$	$\overline{C}_O$
	1	6	7	5	4	3	2	1	
	2	10	9	11	12	13	14		15

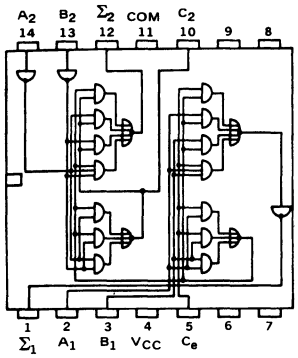
K03-40



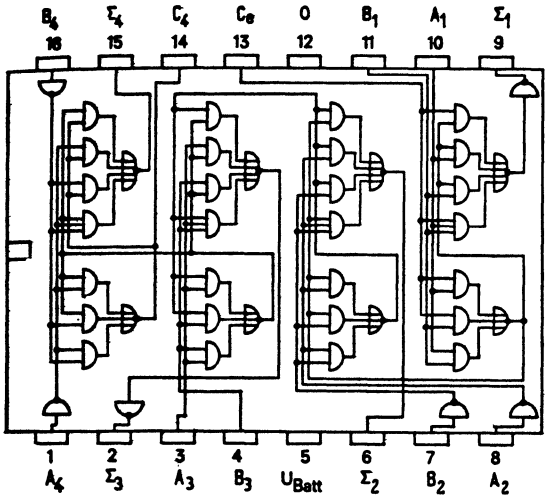
K03-41



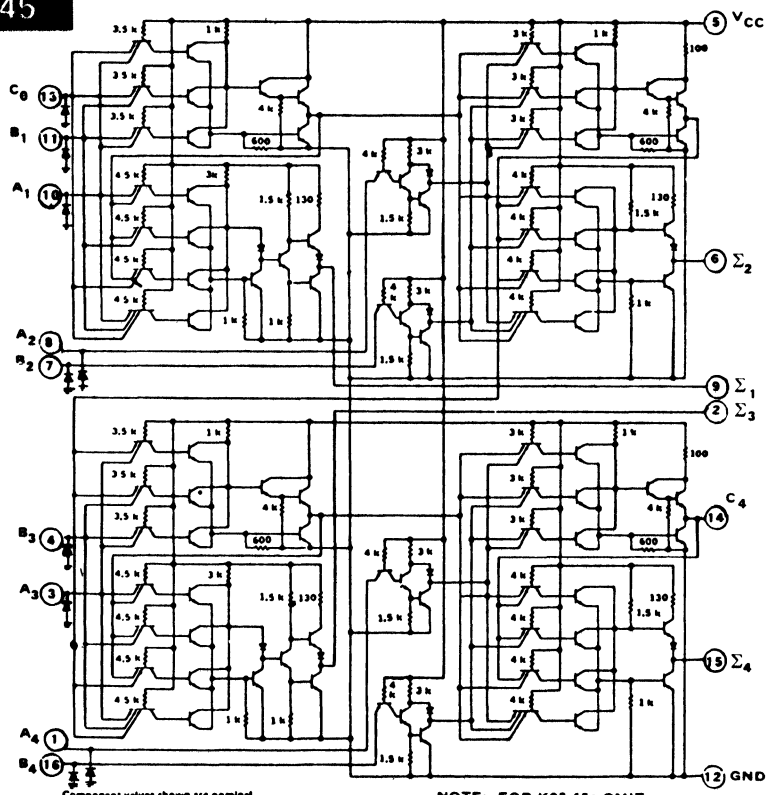
K03-42



K03-43



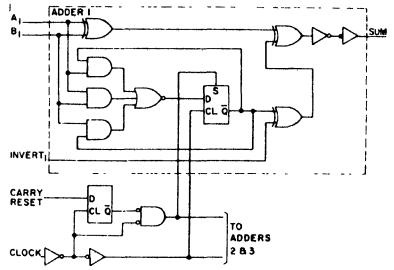
K03-45



Component values shown are nominal.
Resistor values are in ohms.

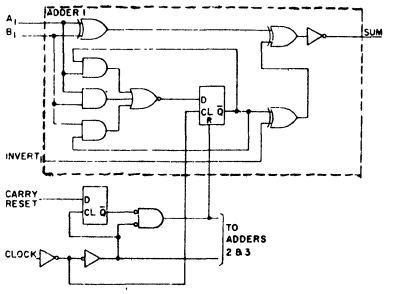
NOTE: FOR K03-45a OMIT CLAMPING DIODES

K03-46



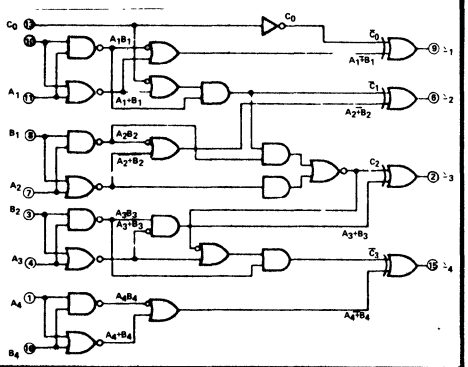
	CKT	A	B	INV	CARRY RESET	CLOCK	SUM	VDD	VSS
K03-46	1	10	11	7	6	3	9	16	8
	2	13	12	5	6	3	4	16	8
	3	15	14	2	6	3	1	16	8

K03-47

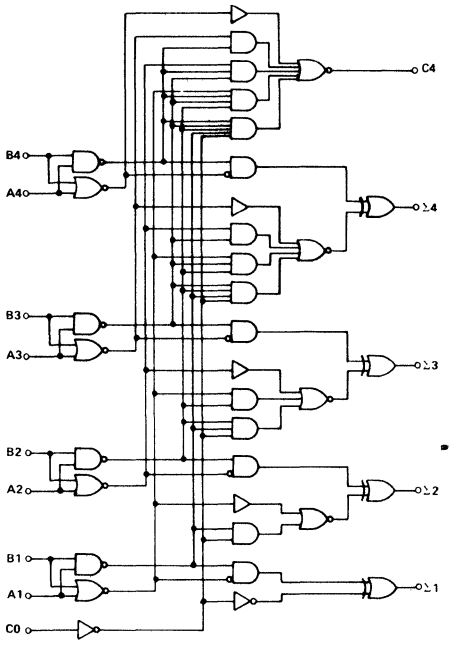


	CKT	A	B	INV	CARRY RESET	CLOCK	SUM	VDD	VSS
K03-47	1	10	11	7	6	3	9	16	8
	2	13	12	5	6	3	4	16	8
	3	15	14	2	6	3	1	16	8

K03-49

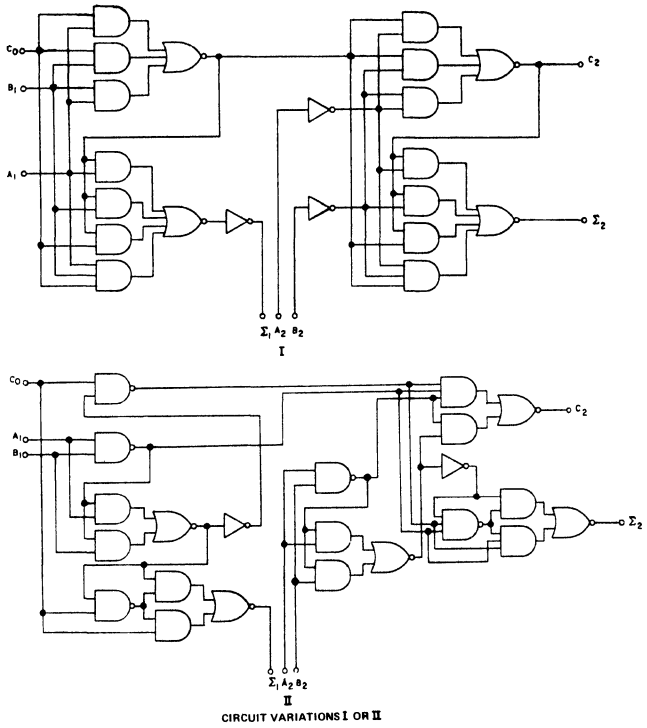


K03-50



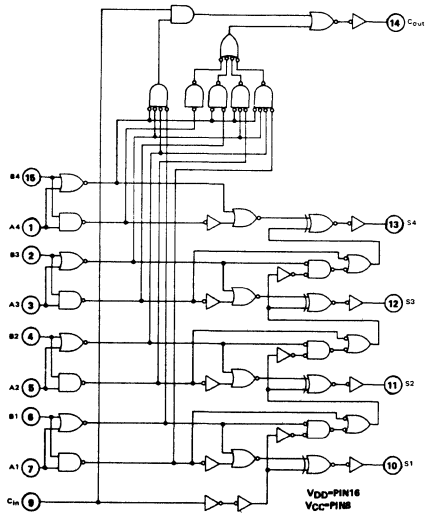
	A				B				C		Σ				GND	VCC
	1	2	3	4	1	2	3	4	0	4	1	2	3	4		
K03-50	10	8	3	1	11	7	4	16	13	14	9	6	2	15	12	5
K03-50a	5	3	14	12	6	2	15	11	7	9	4	1	13	10	8	16

K03-51

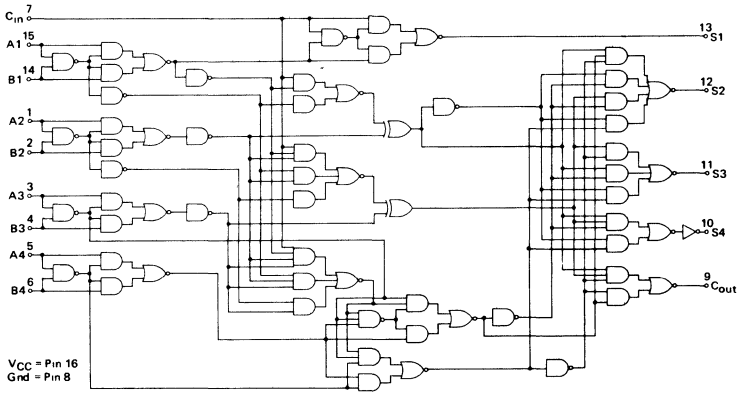


CIRCUIT VARIATIONS I OR II

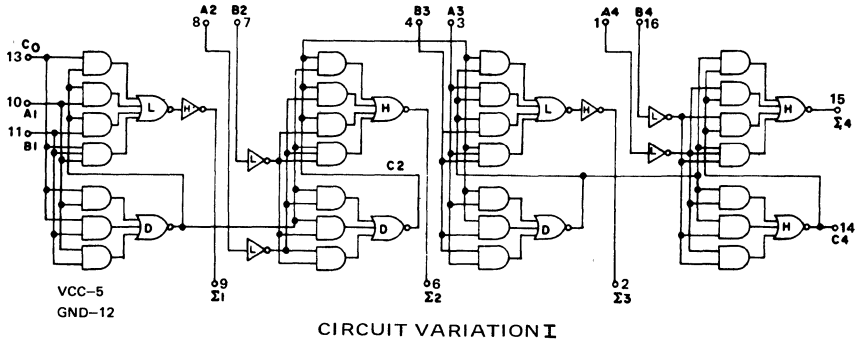
K03-53



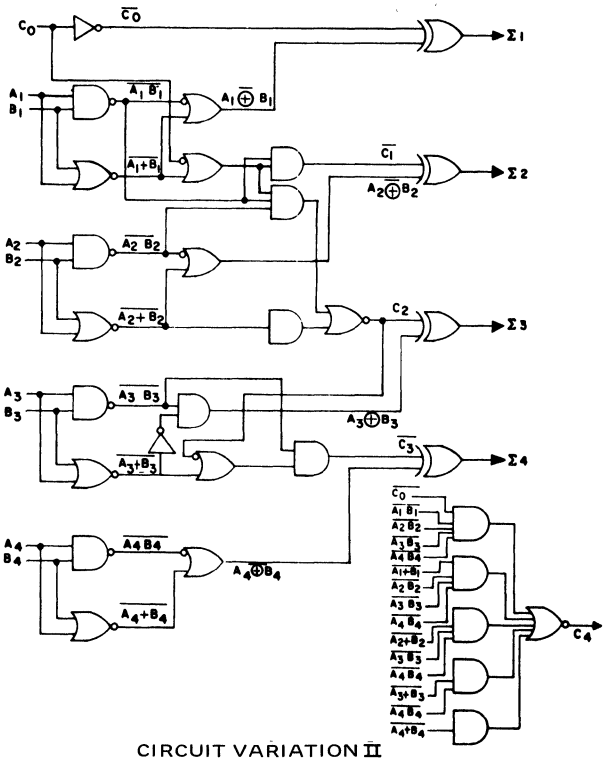
K03-55



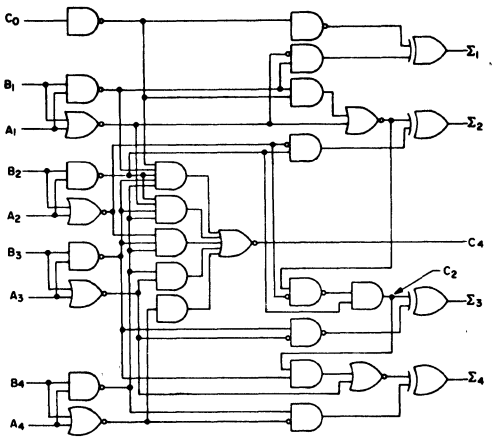
K03-56



CIRCUIT VARIATION I

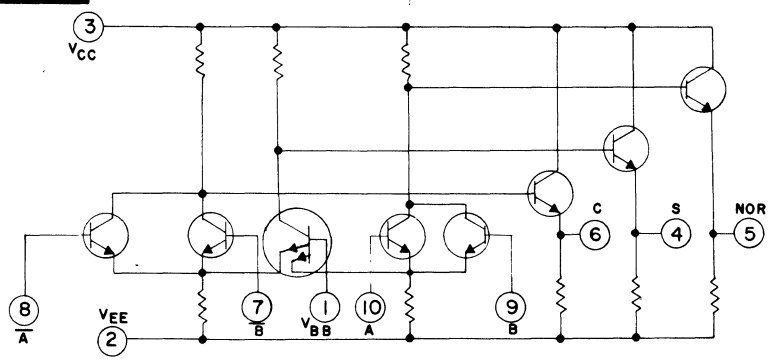


CIRCUIT VARIATION II

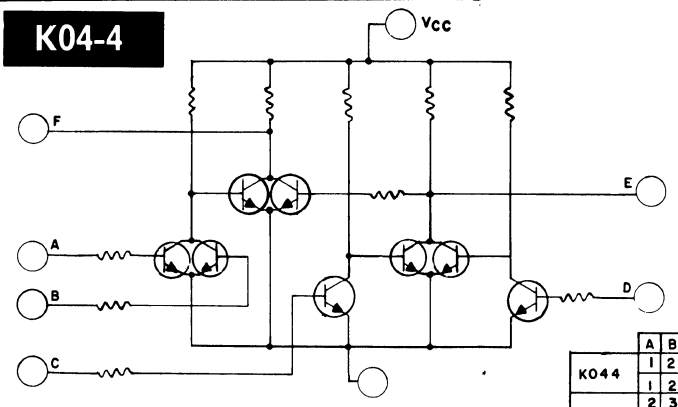


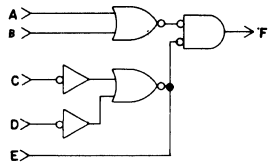
CIRCUIT VARIATION III

K04-3



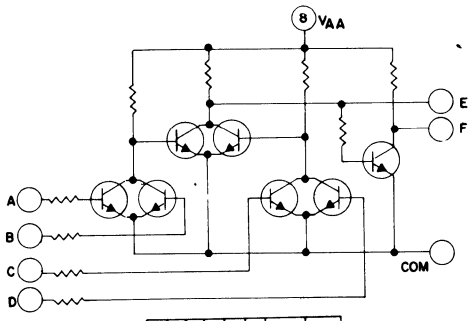
K04-4





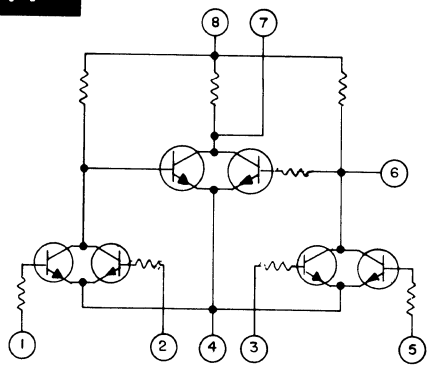
	A	B	C	D	E	F	COM	Vcc	PKG STYLE
K044	1	2	4	6	7	9	5	10	FP
	1	2	3	5	6	7	4	8	CN
K044A	2	3	4	6	7	9	5	10	FP
	1	2	3	5	6	7	4	8	CN

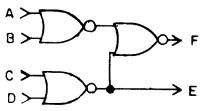
K04-6



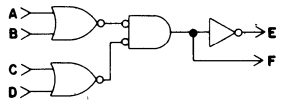
		A	B	C	D	E	F	VAA	COM
K046		1	2	3	5	7	6	8	4
K046a	FP	2	3	4	7	9	8	10	5
	CN	1	2	3	5	7	6	8	4
K046b	FP	1	2	4	6	9	7	10	5
	CN	1	2	3	5	7	6	8	4

K04-7

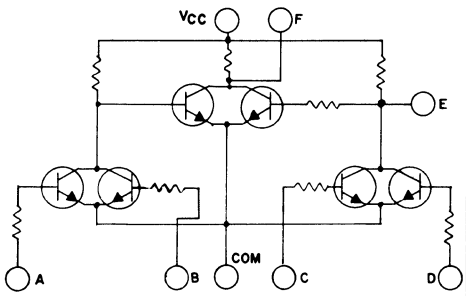


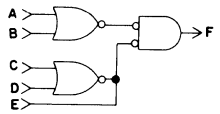


PIN	CN	FP
1	A	
2	B	
3	C	
4	COMM	
5	D	
6	E	
7	F	
8	VCC	



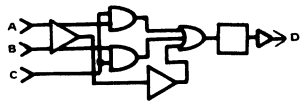
K04-12

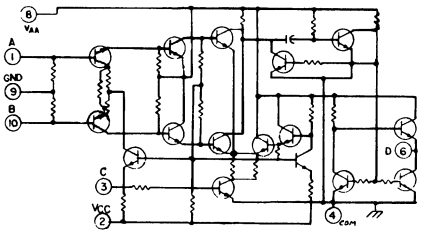




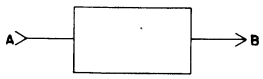
	CKT NO.	A	B	C	D	E	F	COM	Vcc	PKG.
K04-12	1	2	3	4	7	8	9	5	10	FP
	1	1	2	3	5	6	7	4	8	CN
K04-12A	1	1	14	2	3	12	13	4	11	MP
	2	8	7	6	5	10	9			
K04-12B	1	3	4	5	6	1	2	7	14	FP
	2	10	11	8	9	13	12			

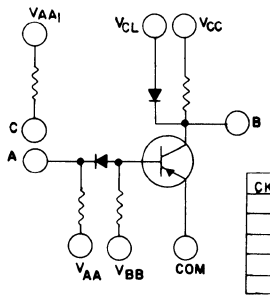
K05-9





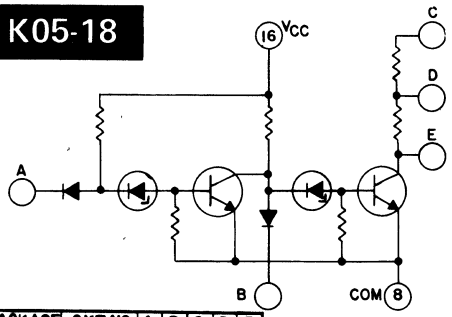
K05-17





CKT NO	A	B	C
1	E	F	D
2	J	K	H
3	M	N	L
4	R	S	P
5	U	V	T

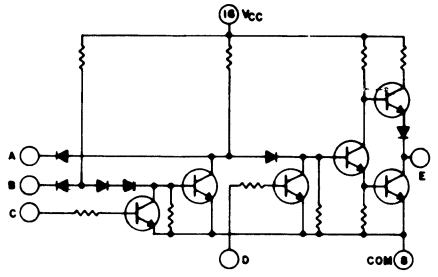
K05-18



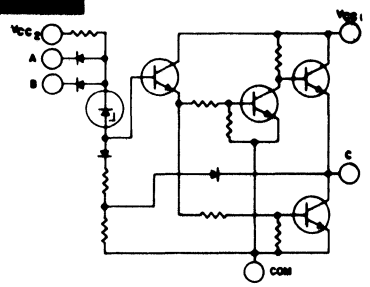
PACKAGE	CKT NO	A	B	C	D	E
CN & MP	1	5	4	1	2	3
	2	11	12	15	14	13
FP	1	6	5	2	3	4
	2	9	10	13	12	11

K05-19

PKG	CKT	A	B	C	D	E
CM,M	1	4	6	5	3	2
	2	12	10	11	13	14
FP	1	4	6	5	3	2
	2	11	9	10	12	13

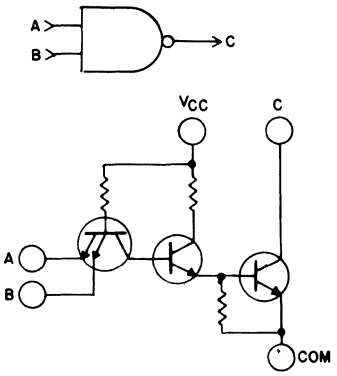


K05-20



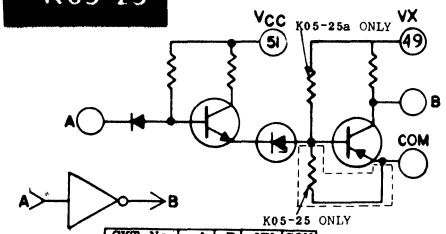
	PKG	CKT	A	B	C	VCC1	VCC2	COM
K05-20	FP	1	1	2	12	4	3	11
		2	6	7	10			
	MP	1	1	4	6	14	13	7
		2	10	12	8			

K05-21



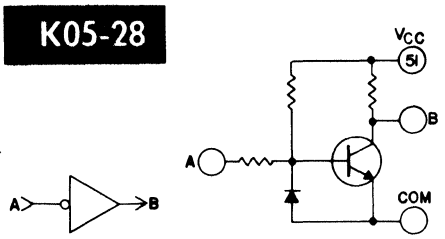
	PKG.	CKT.	A	B	C	V_{CC}	COM
K05-21	FP	1	2	3	1	4	11
		2	5	6	7		
		3	9	10	8		
		4	12	13	14		
	MP	1	1	2	3	14	7
		2	5	6	4		
		3	8	9	10		
		4	12	13	11		
K05-21a	FP	1	1		14	4	11
		2	3		2		
		3	5		6		
		4	7		8		
		5	10		9		
		6	12		13		
	MP	1	1		2	14	7
		2	3		4		
		3	6		5		
		4	8		9		
		5	11		10		
		6	13		12		

K05-25



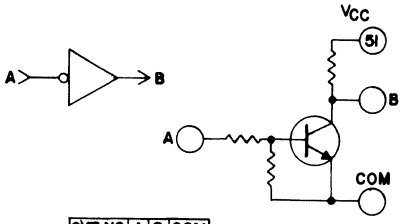
	CKT No.	A	B	VX	COM
K05-25	1	11	7		1,
	2	19	15		2,
	3	29	25	49	39,
	4	37	33		52
	5	45	43		
K05-25a	1	11	7		
	2	19	15		
	3	29	25	39,	1,
	4	37	33	49	2,
	5	45	43		52

K05-28



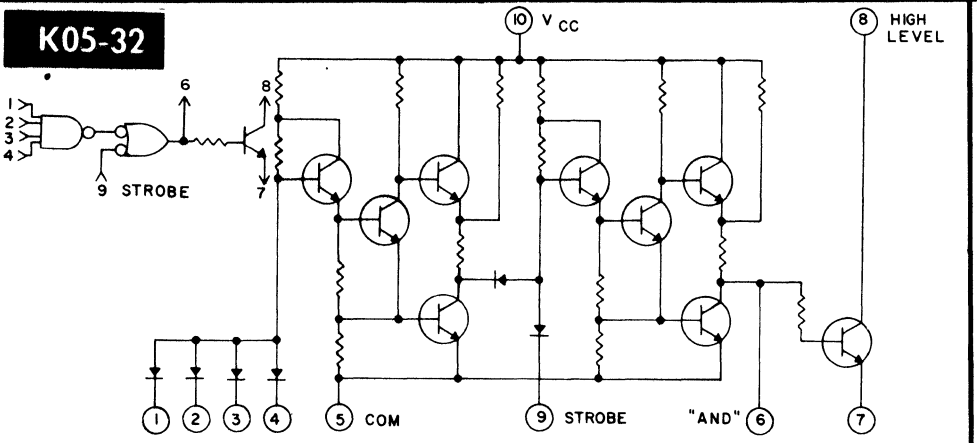
CKT NO.	A	B	COM
1	11	7	
2	19	15	
3	29	25	1,
4	37	33	52
5	45	43	

K05-29



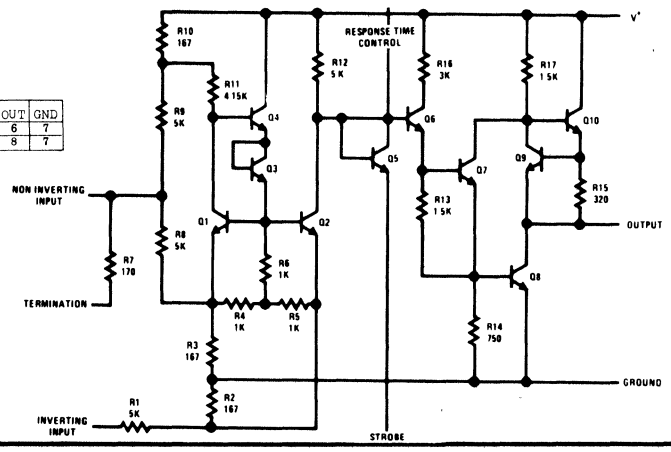
CKT NO.	A	B	COM
1	11	7	
2	19	15	
3	29	25	1,
4	37	33	52
5	45	43	

K05-32

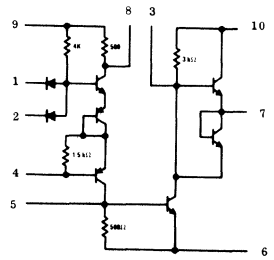


K05-33

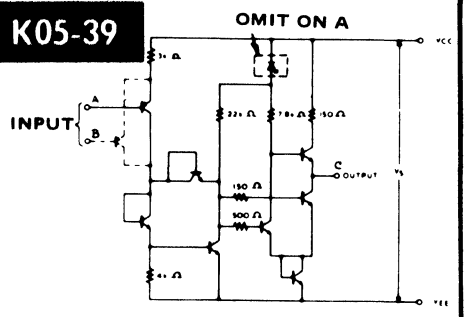
Ckt	IN	TN	TER	RES-TIME	STROBE	VCC	OUT	GND
1	3	1	2	5	4	14	6	7
2	11	13	12	9	10	14	8	7



K05-34

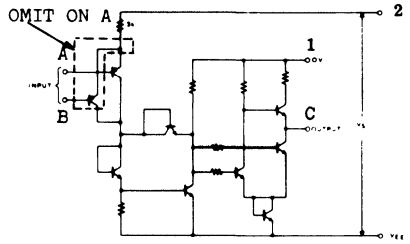


K05-39



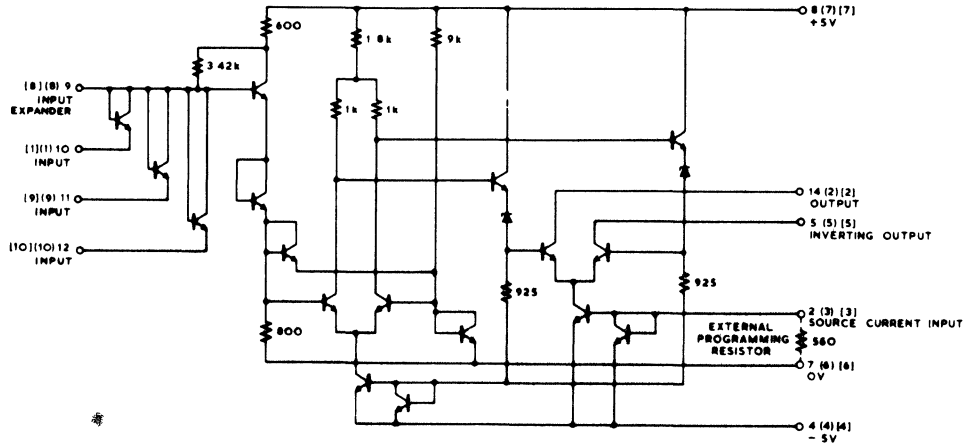
	PKG	CKT	A	B	C	VCC	VEE
K05-39	CN	1	2	3	4	1	10
		2	6		5		
		3	8	9	7		
	FP	1	1	10	9	3	2
		2	8		7		
		3	4	5	6		

K05-40

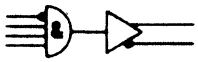


	CKT	A	B	C	V_{EE}
K05-40	1	4	5	6	3
	2	8	9	7	10
	3	12	13	11	14

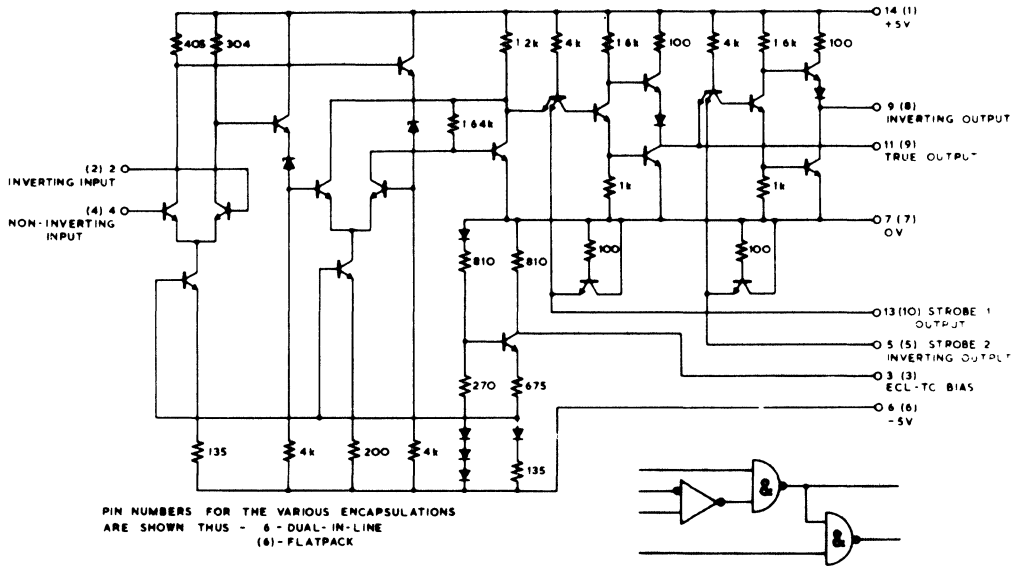
K05-42



PIN NUMBERS FOR THE VARIOUS ENCAPSULATIONS ARE SHOWN THUS -
2 - DUAL-IN-LINE
(3) - FLATPACK
[3] - TO-5

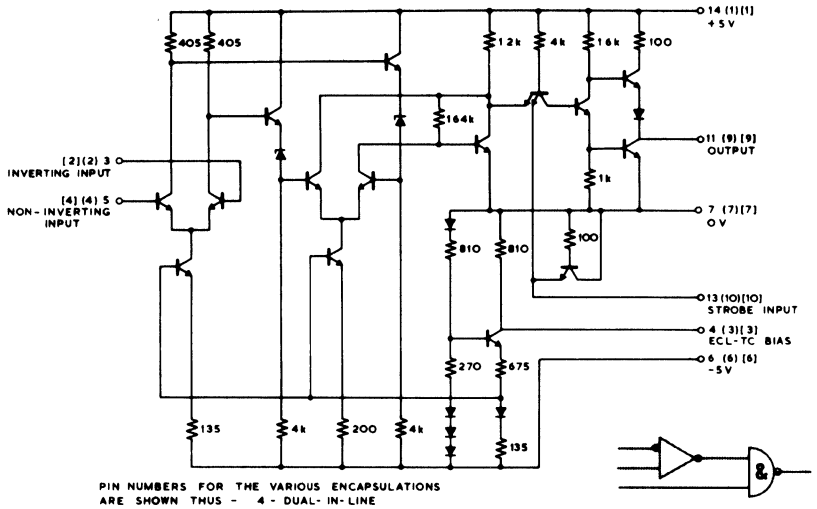


K05-43



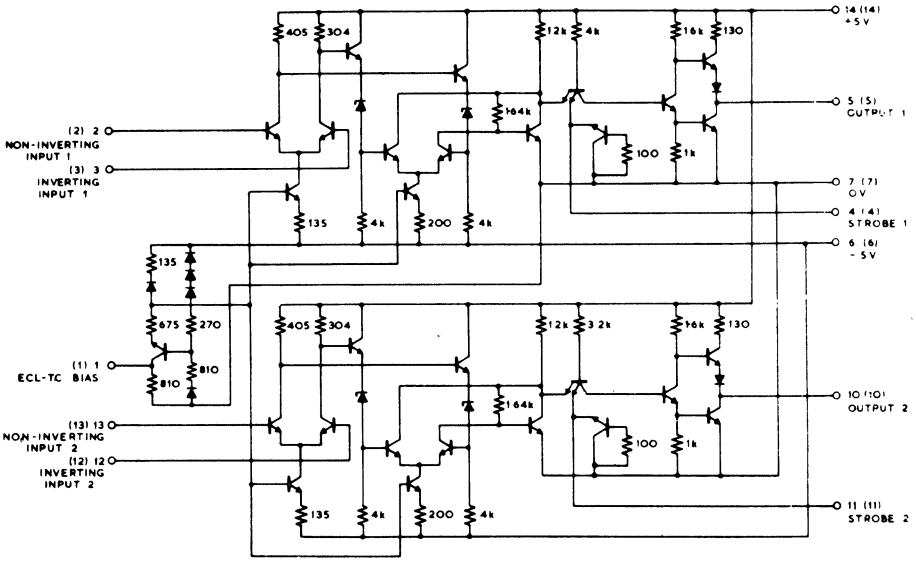
PIN NUMBERS FOR THE VARIOUS ENCAPSULATIONS ARE SHOWN THUS - 6 - DUAL-IN-LINE
(6) - FLATPACK

K05-44

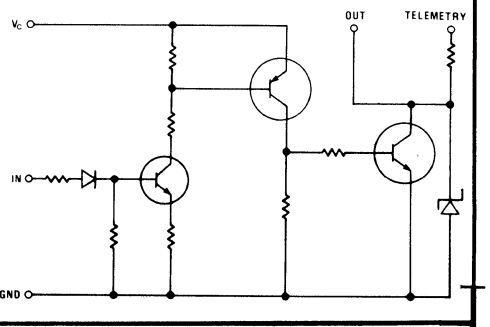


PIN NUMBERS FOR THE VARIOUS ENCAPSULATIONS ARE SHOWN THUS - 4 - DUAL-IN-LINE
(3) - FLATPACK
[3] - TO-5

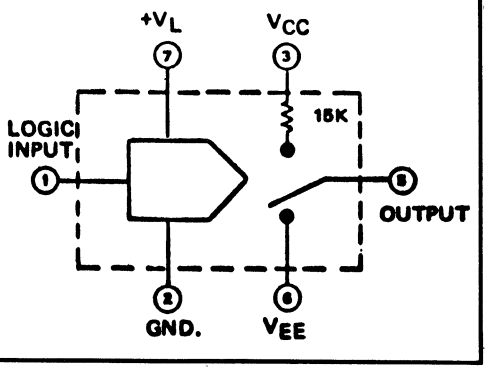
K05-45



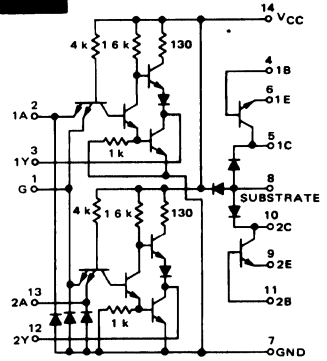
K05-47



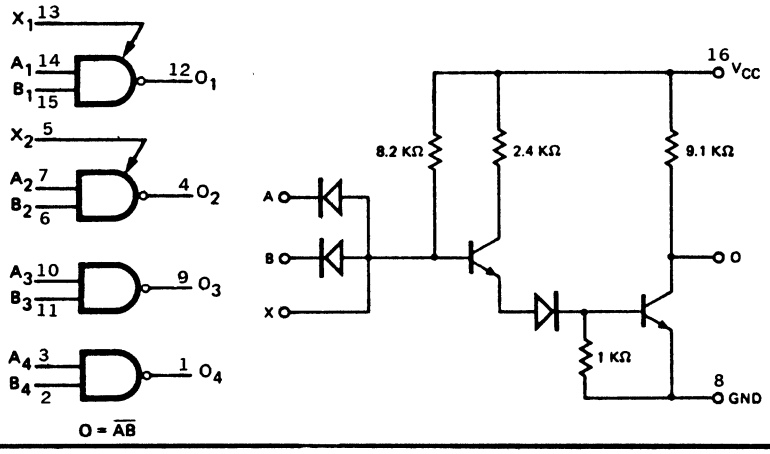
K05-48



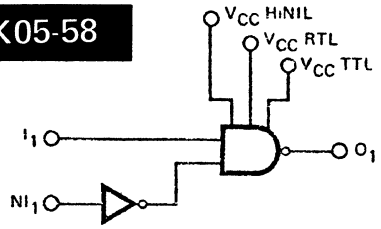
K05-55



K05-57

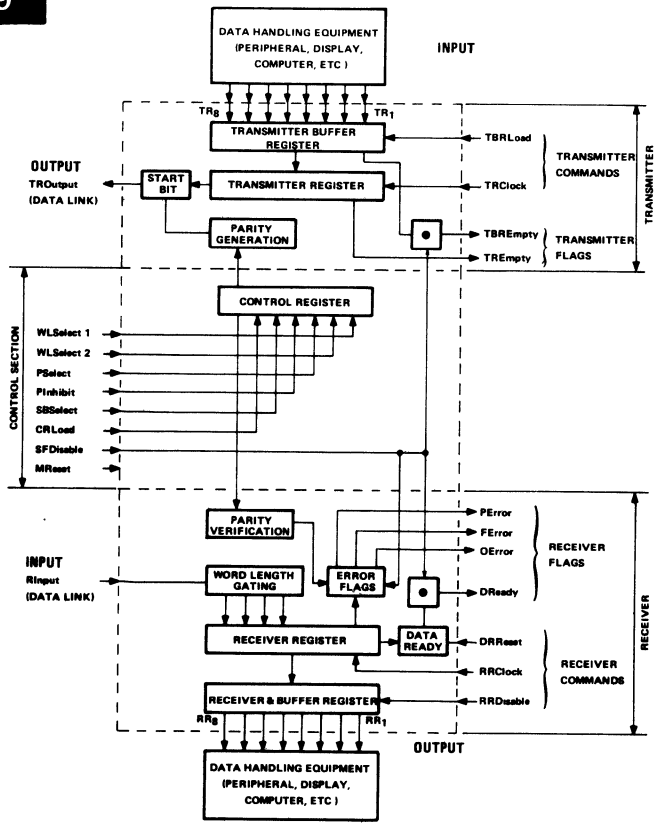


K05-58

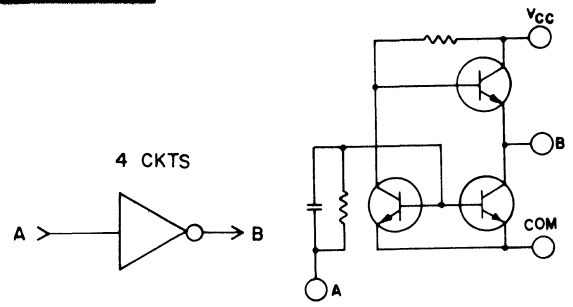


	CKT NO.	I	NI	O	VCC(H)	VCC(R)	VCC(T)
K05-58	1	5	4	2	16	3	1
	2	12	11	14	16	13	15

K05-59

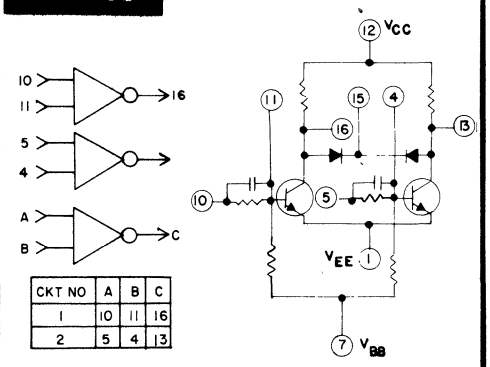


K06-10



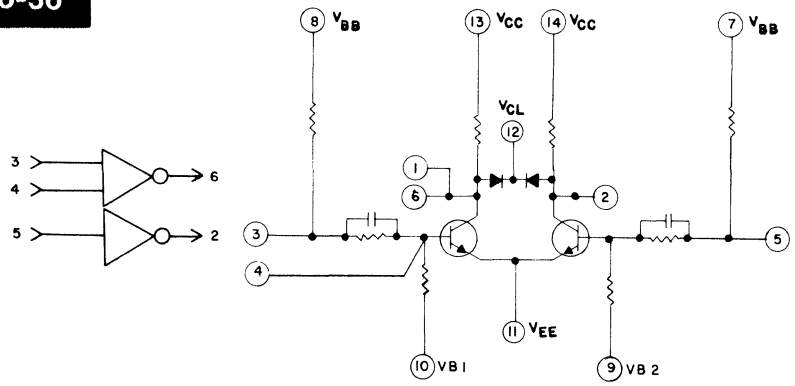
	OUTLINE STYLE	CKT NO	A	B	V_{CC}	COM
K0610	FP	1	6	1	3	8
		2	7	2		
		3	9	4		
		4	10	5		
K0610A	FP	1	5	6	8	3
		2	4	7		
		3	2	9		
		4	1	10		
	MP	1	7	10	12	5
		2	6	11		
		3	4	13		
		4	3	14		
K0610B	FP	1	1	10	8	3
		2	2	9		
		3	4	7		
		4	5	6		

K06-35

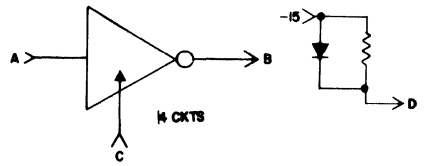


CKT NO	A	B	C
1	10	11	16
2	5	4	13

K06-36

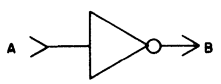


K06-40

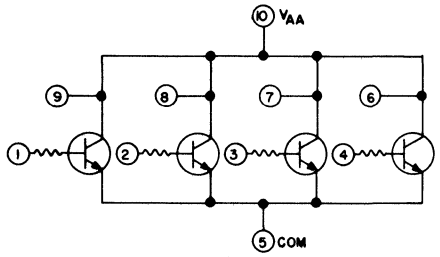


	K0640			
CKT NO	1	2	3	4
A	T	N	J	D
B	S	P	K	E
C	U	M	H	C
D	V	R	L	F
E				
F				

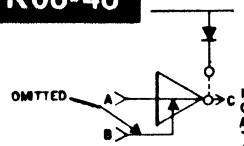
K06-43



CKT NO	A	B
1	1	9
2	2	8
3	3	7
4	4	6



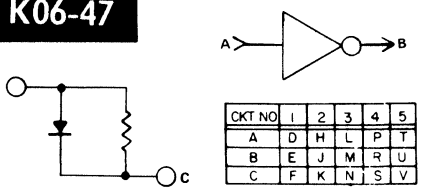
K06-46



K0646 C HAS 3 CLAMPED LOADS AVAILABLE ON CARD THAT ARE NOT CONNECTED

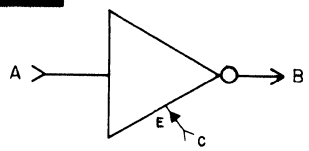
	K0646C			
CKT NO	1	2	3	4
A	E	P	K	U
B	D	N	J	T
C	F	R	L	V

K06-47



CKT NO	1	2	3	4	5
A	D	H	L	P	T
B	E	J	M	R	U
C	F	K	N	S	V

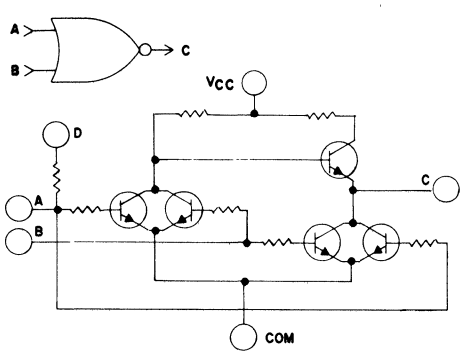
K06-48



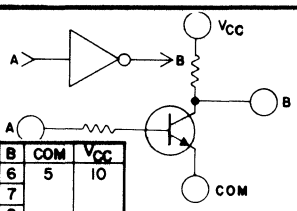
CKT NO	1	2	3	4	5	6	7
A	E	H	K	M	D	S	U
B	D	F	J	L	N	R	T
C							V

K06-50

	A	B	C	D	COM	VCC	PKG STYLE
TO91	2	4	7	1	5	10	FP
TO99	2	3	6	1	4	8	CN

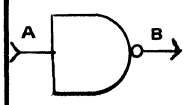


K06-69



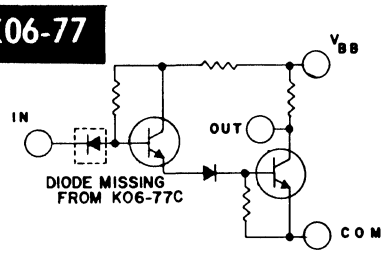
	CKT NO.	A	B	COM	V_{CC}
K06-69	1	1	6	5	10
	2	2	7		
	3	3	8		
	4	4	9		
K06-69A	1	1	6	7	14
	2	2	5		
	3	3	4		
	4	11	10		
	5	12	9		
	6	13	8		
K06-69B	1	1	9	5	10
	2	2	8		
	3	3	7		
	4	4	6		

K06-71



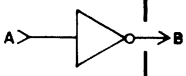
K0671 CKT	K0671 TERM A	K0671 TERM B	K0671A CKT	K0671A TERM A	K0671A TERM B
1	35	33	1	8	F
2	32	34	2	J	7
3	31	30	3	6	H
4	28	29	4	5	D
5	27	25	5	C	4
6	24	26	6	3	E
7	23	22	7	14	N
8	20	21	8	R	13
9	19	17	9	12	P
10	16	18	10	11	L
11	15	14	11	K	10
12	12	13	12	9	M
13	9	11	13	20	V
14	10	8	14	X	19
15	7	6	15	18	W
16	4	5	16	17	T
			17	S	16
			18	15	U

K06-77



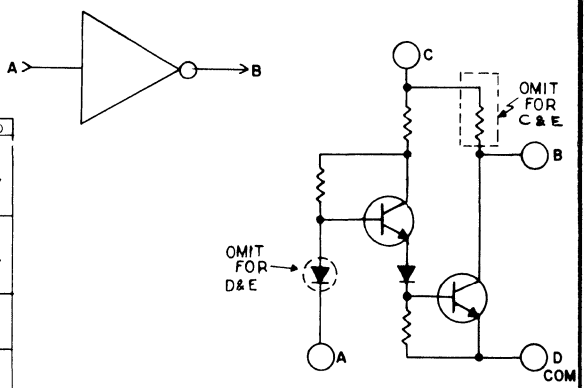
	TERM CKT	1	2	3	4	5	6
K0677	IN	B	D	F	H	J	L
	OUT	A	C	E	G	I	K
K0677A, C	IN	1	3	5	9	11	13
	OUT	2	4	6	8	10	12
K0677B	IN	1	3	7	9		
	OUT	2	4	6	8		

K06-79



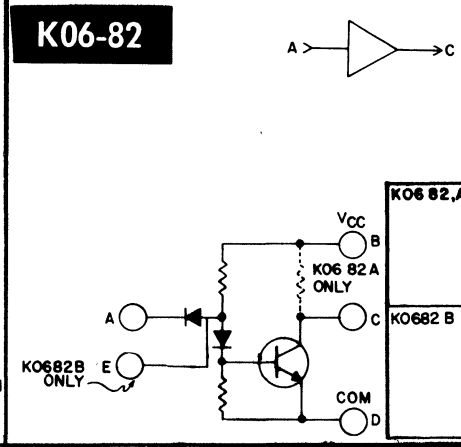
	CKT NO.	A	B	V_{DD}	COM
K06-79	1	5	4		
	2	3	2		
	3	1	6		
K06-79A	1	1	2	14	7
	2	3	4		
	3	5	6		
	4	9	8		
	5	11	10		
	6	13	12		
K06-79B	1	2	22	18	6
	2	3	21		
	3	4	20		
	4	5	19		
	5	7	14		13
	6	8	9		
	7	10	11		
	8	16	15		

K06-81



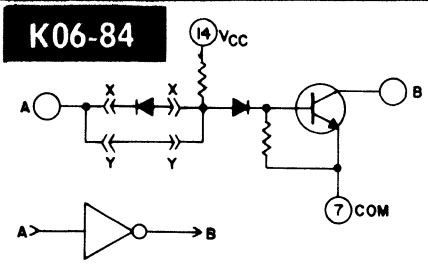
	CKT NO	A	B	C	D
K0681	1	1	6		
	2	2	3		
	3	5	4		
	4	9	10	14	7
	5	12	11		
	6	13	8		
K0681a, c, d, e	1	1	2		
	2	3	4		
	3	5	6		
	4	9	8	14	7
	5	11	10		
	6	13	12		
K0681b	1	1	2		
	2	3	4		
	3	7	6	10	5
	4	9	8		
K0681f	1	1	2		
	2	3	4		
	3	5	6	14	7
	4	9	8		
	5	11	10		
	6	13	12		

K06-82



	CKT NO	A	B	C	D	E
K06 82,A	1	2	7	12	14	-
	2	4	7	10	14	-
	3	6	7	8	14	-
	4	9	7	5	14	-
	5	11	7	3	14	-
	6	13	7	1	14	-
K0682 B	1	-	7	12	14	2
	2	-	7	10	14	4
	3	-	7	8	14	6
	4	-	7	5	14	9
	5	-	7	3	14	11
	6	-	7	1	14	13

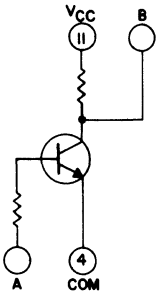
K06-84



K0684	"X" ON, "Y" OFF
K0684A	"Y" ON, "X" OFF

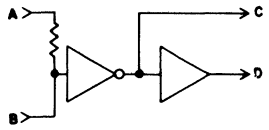
	CKT NO	A	B
K0684,A	1	1	2
	2	3	4
	3	5	6
	4	9	8
	5	11	10
	6	13	12

K06-86



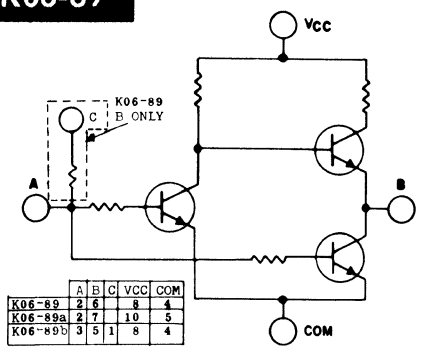
	CKT	A	B
K06-86	1	14	1
	2	13	2
	3	12	3
	4	10	5
	5	9	6
	6	8	7
K06-86a	1	1	9
	2	2	8
	3	3	7
	4	4	6

K06-88

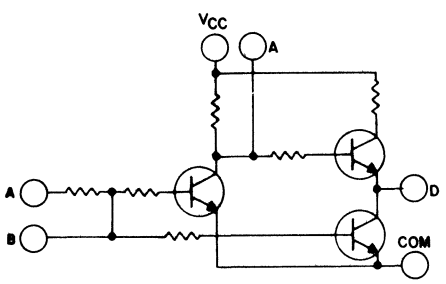


	CKT NO	A	B	C	D	COM	V_{CC}
K0688	1	12	13	2	3	4	11
	2	9	6	10	5		
K0688A	1	1	2	3	4	5	10
	2	7	8	9	6		
K0688B	1	1	3	7	5	4	8
	1	2	4	9	7	5	10

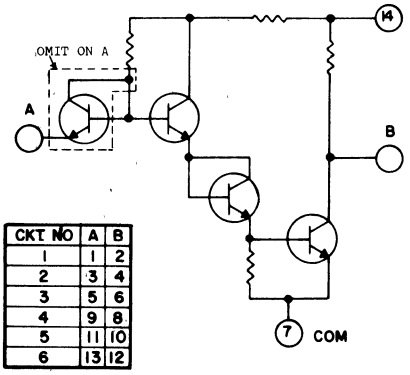
K06-89



	A	B	C	VCC	COM
K06-89	2	6		8	4
K06-89a	2	7		10	5
K06-89b	3	5	1	8	4



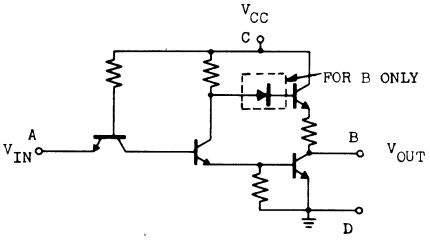
K06-95



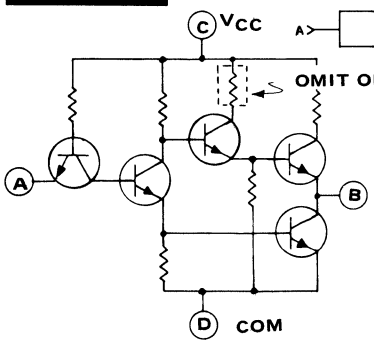
CKT NO	A	B
1	1	2
2	3	4
3	5	6
4	9	8
5	11	10
6	13	12

K06-103

	CKT No.	PKG	A	B	C	D
K06-103	1		1	14	4	11
	2		3	2	4	11
	3		5	6	4	11
	4		7	8	4	11
	5		9	10	4	11
	6		13	12	4	11
K06-103a	1	MP	1	2	14	7
	2		3	4	14	7
	3		5	6	14	7
	4		9	8	14	7
	5		11	10	14	7
	6		13	12	14	7
	1	FP	1	14	4	11
	2		3	2	4	11
	3		5	6	4	11
	4		7	8	4	11
	5		9	10	4	11
	6		13	12	4	11
K06-103b	1		1	2	4	10
	2		3	5	4	10
	3		6	7	4	10
	4		8	9	4	10
	5		11	12	4	10
	6		13	14	4	10

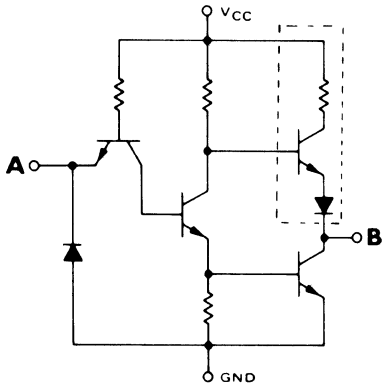


K06-106



	PKG	CKT	A	B	C	D
K06-106		1	1	2	4	10
		2	3	5	4	10
		3	6	7	4	10
		4	8	9	4	10
		5	11	12	4	10
		6	13	14	4	10
	MP	1	1	2	14	7
		2	3	4	14	7
		3	5	6	14	7
		4	9	8	14	7
		5	11	10	14	7
		6	13	12	14	7
K06-106a	FP	1	1	14	4	11
		2	3	2	4	11
		3	5	6	4	11
		4	7	8	4	11
		5	9	10	4	11
		6	13	12	4	11

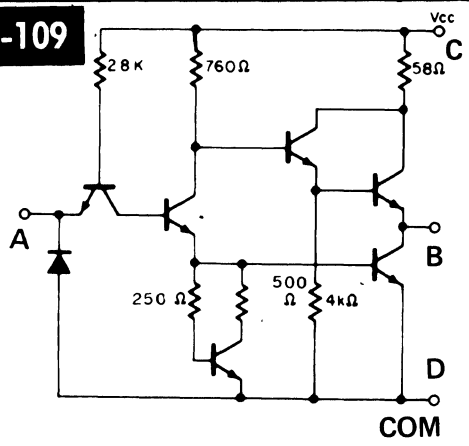
K06-107



OMITTED ON K06-107a, d

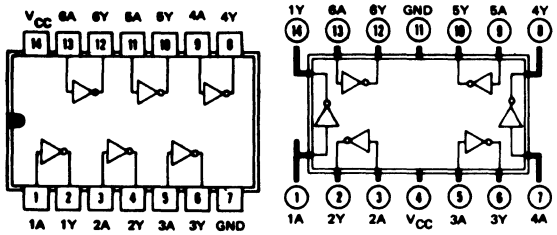
	PKG	CKT	A	B	VCC	GND
K06-107	FP	1	1	14	4	11
		2	3	2		
		3	5	6		
		4	7	8		
		5	9	10		
		6	13	12		
K06-107a,e	MP	1	1	2	14	7
		2	3	4		
		3	5	6		
		4	9	8		
		5	11	10		
		6	13	12		
K06-107b	FP, MP	1	1	2	4	10
		2	3	5		
		3	6	7		
		4	8	9		
		5	11	12		
		6	13	14		
K06-107c		1	3	2	4	10
		2	5	6		
		3	8	7		
		4	14	1		
		5	12	13		
		6	11	9		
K06-107d	FC, FP	1	1	14	4	11
		2	3	2		
		3	5	6		
		4	7	8		
		5	9	10		
K06-107f	MP	1	1	2	14	7
		2	3	4		
		3	5	6		
		4	9	8		
		5	11	10		
		6	13	12		

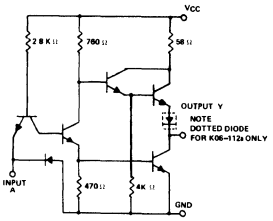
K06-109



	PKG	CKT	A	B	C	D
K06-109	M	1	1	2	14	7
		2	3	4	14	7
		3	5	6	14	7
		4	9	8	14	7
		5	11	10	14	7
		6	13	12	14	7
	FP	1	1	14	4	11
		2	3	2	4	11
		3	5	6	4	11
		4	7	8	4	11
		5	9	10	4	11
		6	13	12	4	11
K06-109a	FP, M	1	1	2	14	7
		2	3	5	14	7
		3	6	7	14	7
		4	8	9	14	7
		5	11	12	14	7
		6	13	14	14	7
K06-109b	FP, M	1	1	2	14	7
		2	3	4	14	7
		3	5	6	14	7
		4	9	8	14	7
		5	11	10	14	7
		6	13	12	14	7

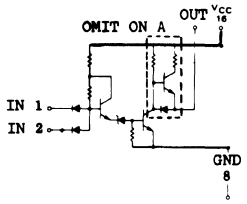
K06-112



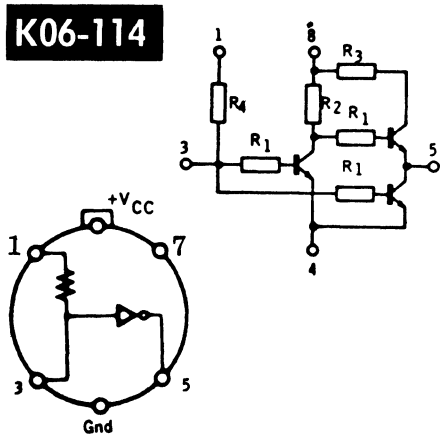


K06-113

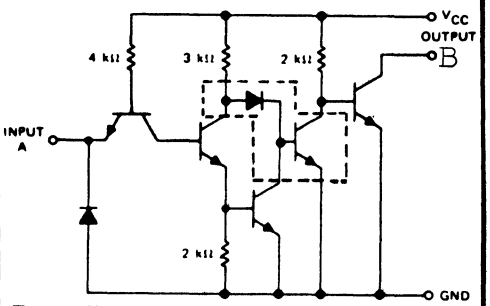
	CKT.NO.	IN1	IN2	OUT
K06-113,a	1	3	4	5
	2	6	4	7
	3	1	12	2
	4	10	12	9
	5	13	12	11
	6	15	12	14



K06-114



K06-115

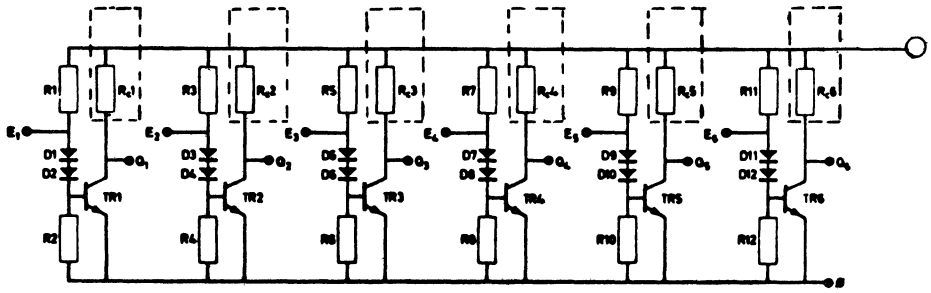


DOTTED AREA OMITTED ON A

	NO.CKTS.	A	B	VCC	GND
K06-115,a	1	1	2	14	7
	2	3	4		
	3	5	6		
	4	9	8		
	5	11	10		
	6	13	12		

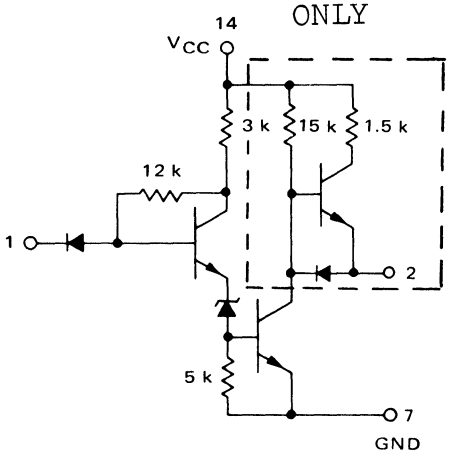
K06-116

DOTTED SECTIONS ON K06-116a ONLY



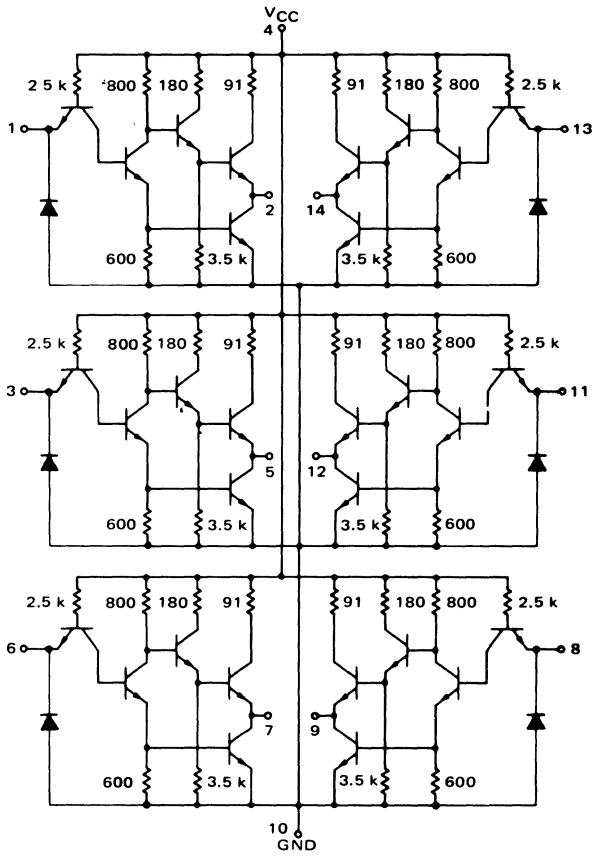
K06-117

K06-117a ONLY

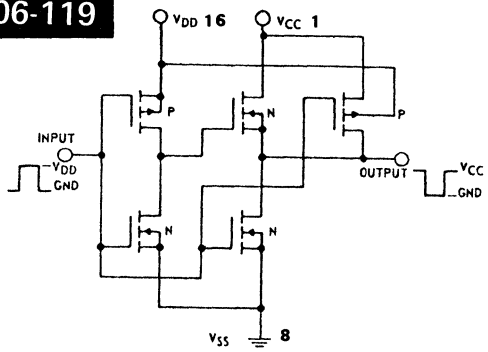


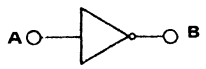
K06-117,a	CKT	A	B
	1	1	2
	2	3	4
	3	5	6
	4	9	8
	5	11	10
	6	13	12

K06-118



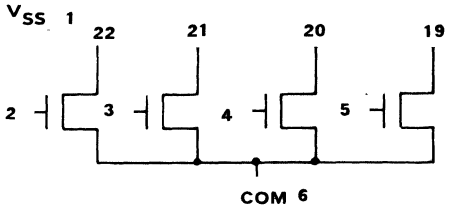
K06-119





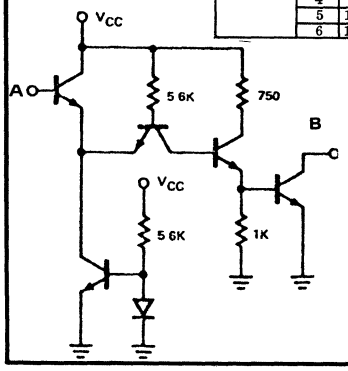
K06-119	CKT	A	B
	1	3	2
	2	5	4
	3	7	6
	4	9	10
	5	11	12
	6	14	15

K06-120

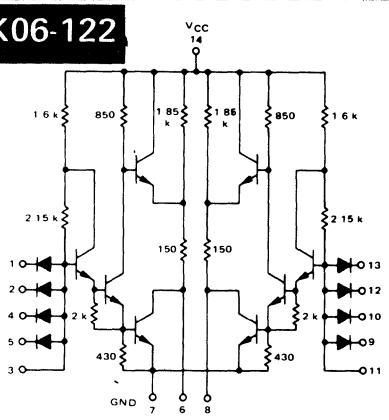


K06-121

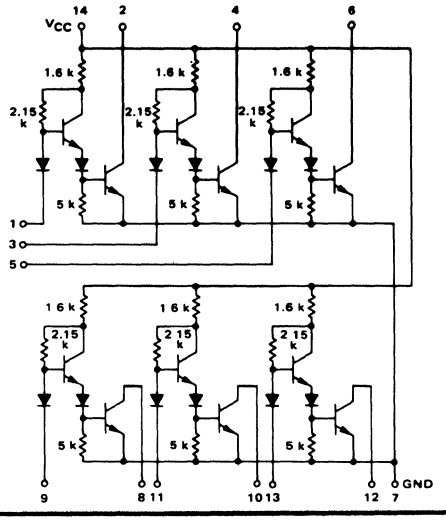
K06-121	CKT	A	B	VCC	GND
	1	3	2	8	1
	2	5	4		
	3	7	6		
	4	9	10		
	5	11	12		
	6	13	14		



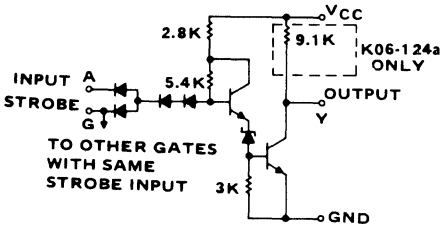
K06-122



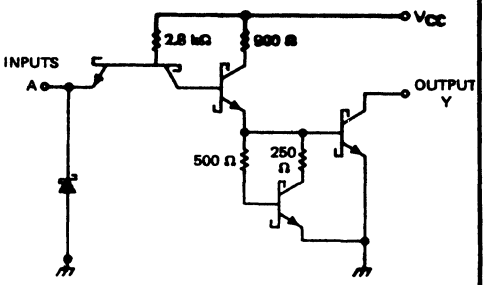
K06-123



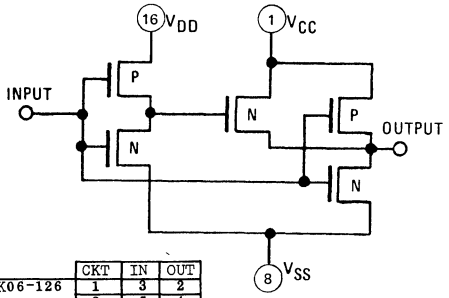
K06 124



K06-125



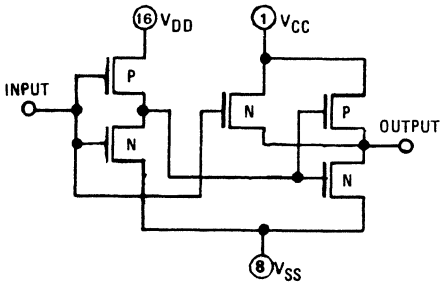
K06-126



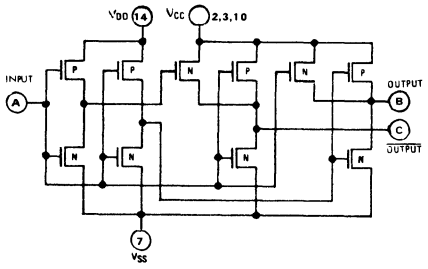
K06-126	CKT	IN	OUT
	1	3	2
	2	5	4
	3	7	6
	4	9	10
	5	11	12
	6	14	15

K06 127

K06-127	CKT	IN	OUT
	1	3	2
	2	5	4
	3	7	6
	4	9	10
	5	11	12
	6	14	15

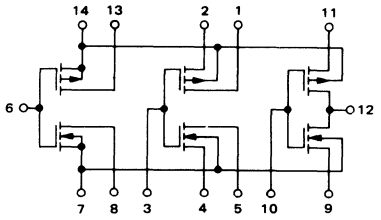


K06-128



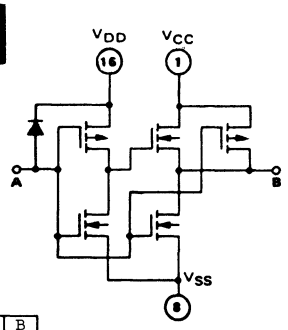
K06-128	CKT	A	B	C
	1	12	13	1
	2	6	5	4
	3	8	11	9

K06-129



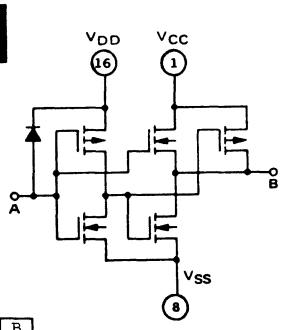
V_{DD} = Pin 14
V_{SS} = Pin 7

K06-130



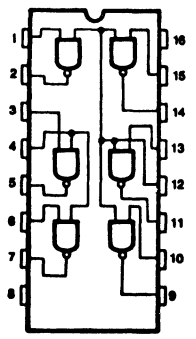
K06-130	CKT	A	B
	1	3	2
	2	5	4
	3	7	6
	4	9	10
	5	11	12
	6	14	15

K06-131



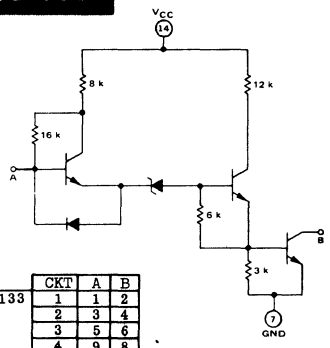
K06-131	CKT	A	B
	1	3	2
	2	5	4
	3	7	6
	4	9	10
	5	11	12
	6	14	15

K06-132



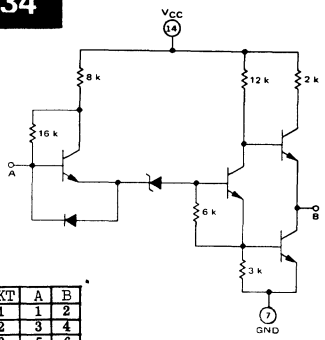
GND = PIN 8
V_{CC} = PIN 16

K06-133



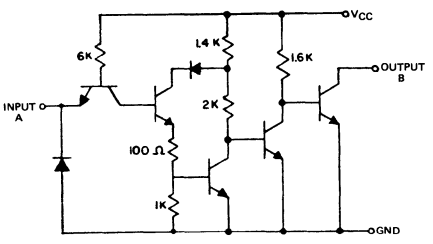
K06-133	CKT	A	B
	1	1	2
	2	3	4
	3	5	6
	4	9	8
	5	11	10
	6	13	12

K06-134



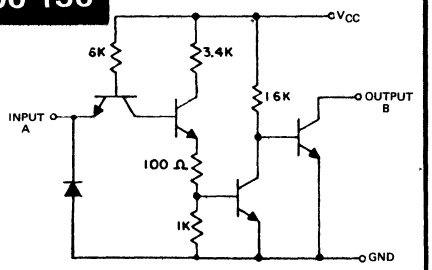
K06-134	CKT	A	B
	1	1	2
	2	3	4
	3	5	6
	4	9	8
	5	11	10
	6	13	12

K06-135



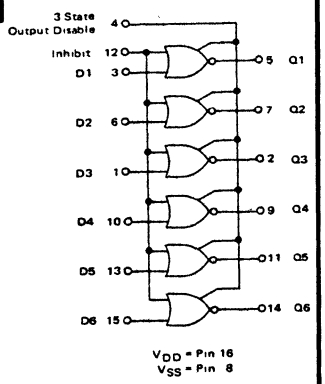
K06-135	NO. CKTS.	A	B	VCC	GND
	1	1	2	14	7
	2	3	4		
	3	5	6		
	4	9	8		
	5	11	10		
	6	13	12		

K06-136

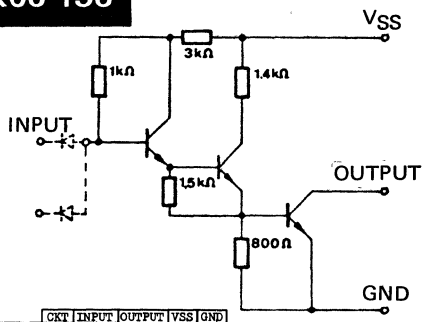


	NO. CKTS.	A	B	VCC	GND
K06-136	1	1	2	14	7
	2	3	4		
	3	5	6		
	4	9	8		
	5	11	10		
	6	13	12		

K06-137

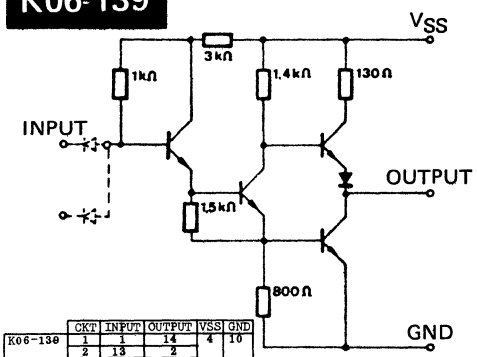


K06-138



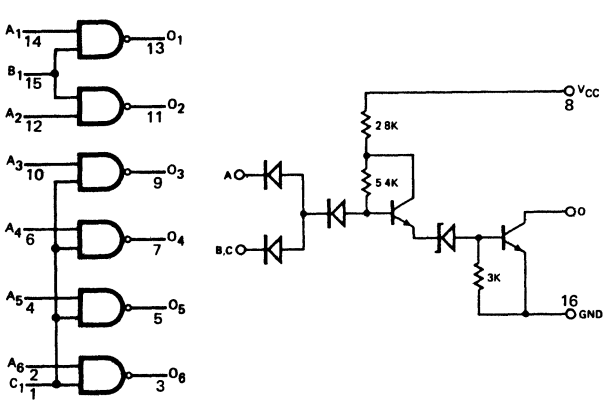
	CKT	INPUT	OUTPUT	VSS	GND
K06-138	1	1	14	4	10
	2	13	2		
	3	3	12		
	4	11	5		
	5	6	9		
	6	8	7		

K06-139

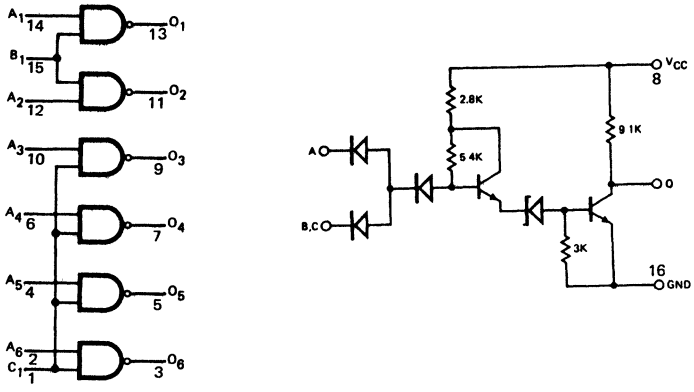


	CKT	INPUT	OUTPUT	VSS	GND
K06-139	1	1	14	4	10
	2	13	2		
	3	3	12		
	4	11	5		
	5	6	9		
	6	8	7		

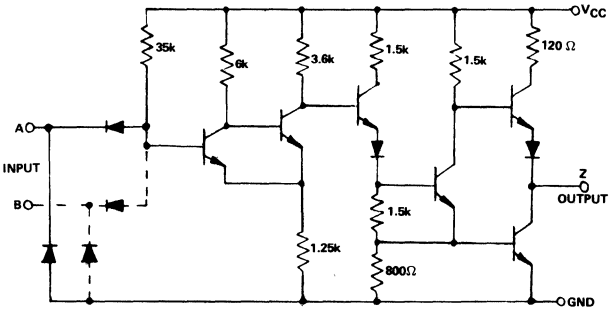
K06-140

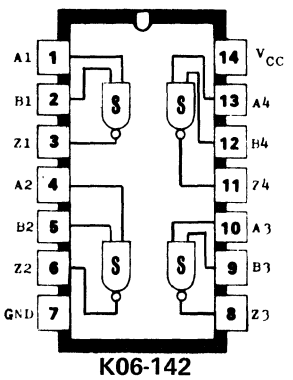


K06-141

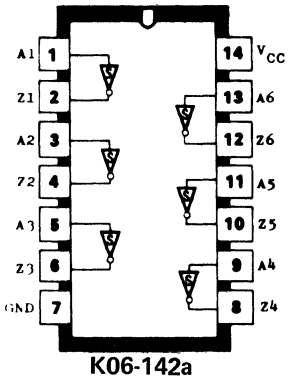


K06-142



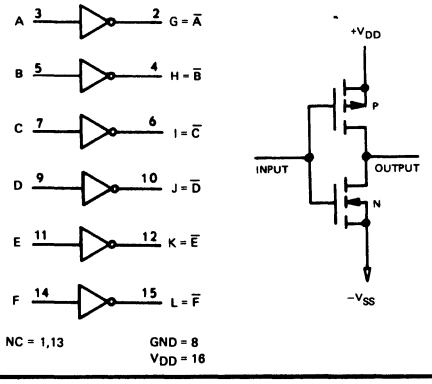


K06-142



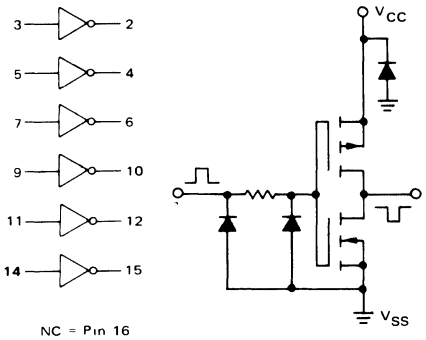
K06-142a

K06-143



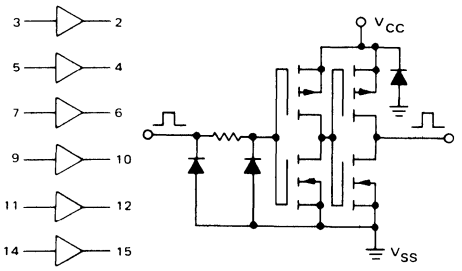
NC = 1,13 GND = 8 V_{DD} = 16

K06-144



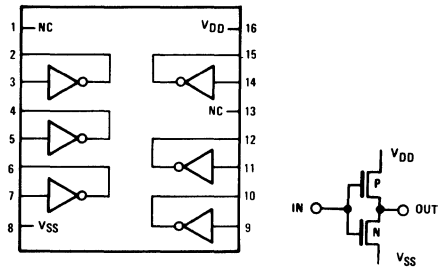
NC = Pin 16
V_{SS} = Pin 8
V_{CC} = Pin 1

K06-145

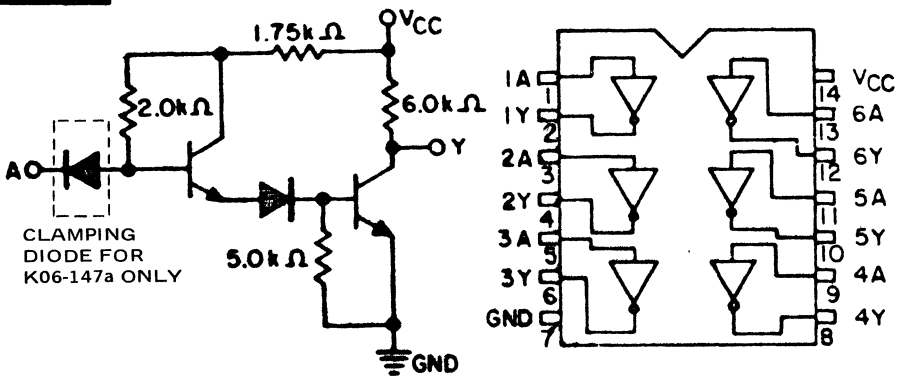


NC = Pin 16
V_{SS} = Pin 8
V_{CC} = Pin 1

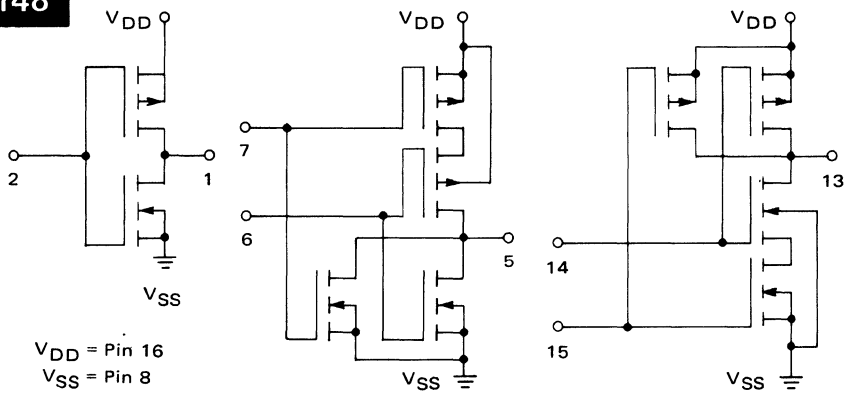
K06-146



K06-147

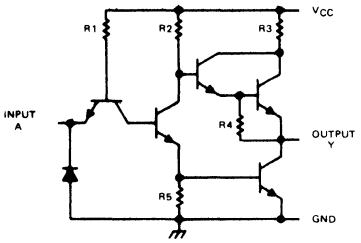


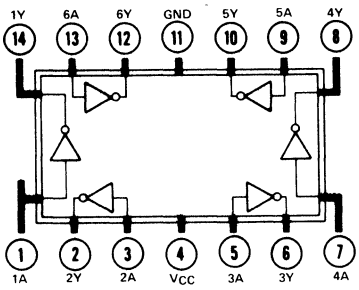
K06-148



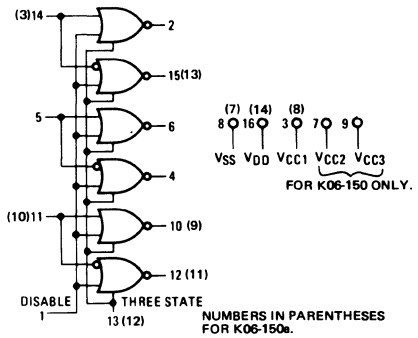
V_{DD} = Pin 16
V_{SS} = Pin 8

K06 149



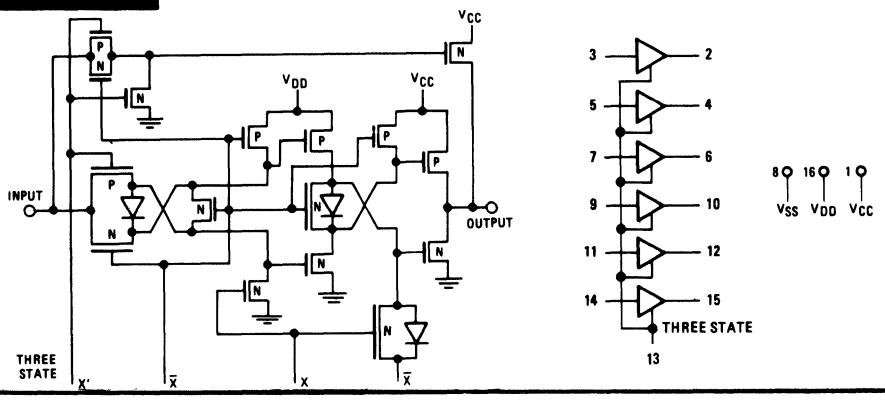


K06-150

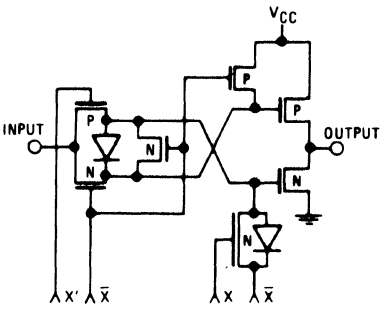


NUMBERS IN PARENTHESES FOR K06-150a.

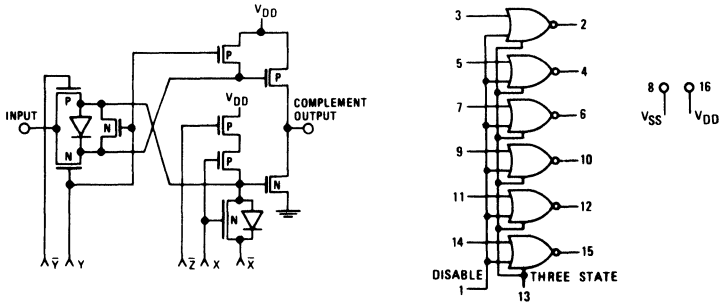
K06-151

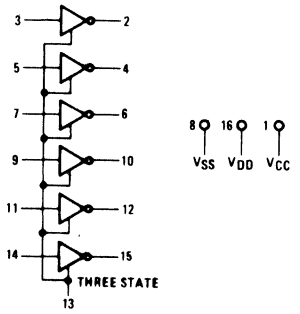


K06-152

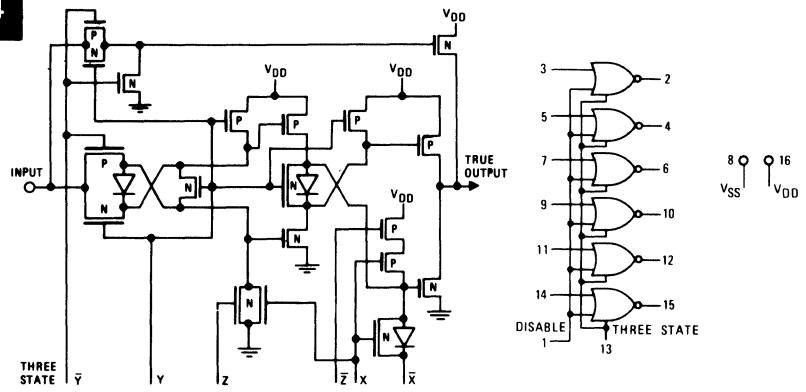


K06-153

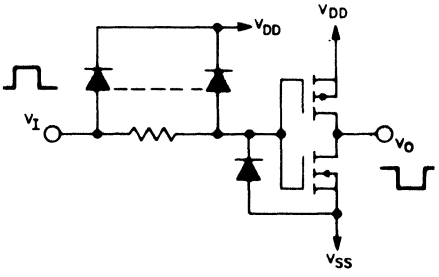


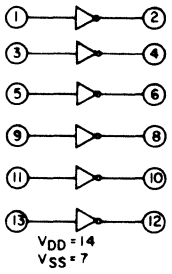


K06-154

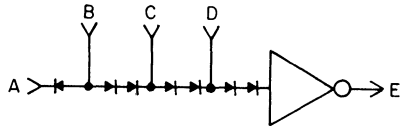


K06-155



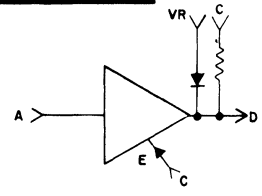


K07-10



CKT NO	1	2	3
A	J	P	V
B	H	N	U
C	F	M	T
D	E	L	S
F	D	K	R

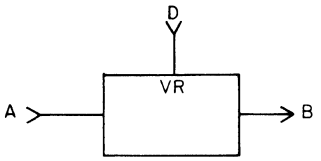
K07-11



CKT NO	1	2	3
A	D	K	R
B	E	L	S
C	F	M	T
D	H	N	U

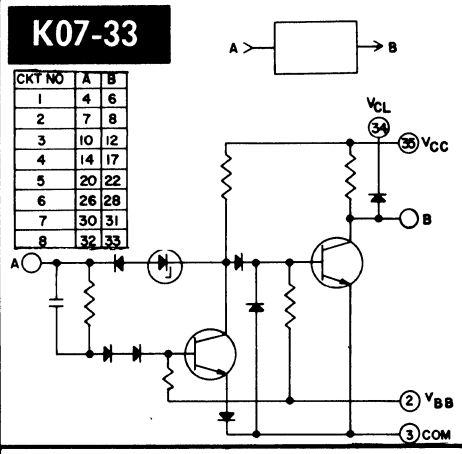
K07IIA THE REFERENCE VOLTAGE TERMINAL (C) OF THE SECOND AND THIRD CIRCUIT ARE TIED TOGETHER AT PIN "M"

K07-12



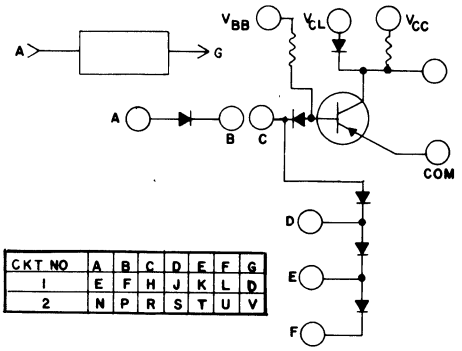
CKT NO	1	2	3	4	5	6
A	F	J	L	N	R	T
B	H	K	M	P	S	U

K07-33



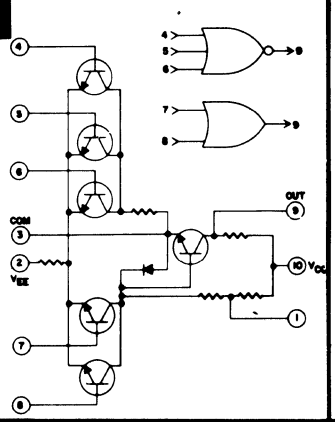
CKT NO	A	B
1	4	6
2	7	8
3	10	12
4	14	17
5	20	22
6	26	28
7	30	31
8	32	33

K07-35

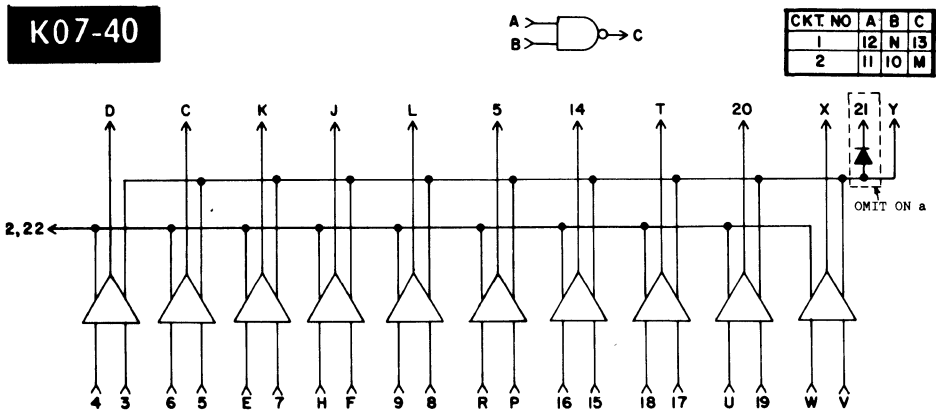


CKT NO	A	B	C	D	E	F	G
1	E	F	H	J	K	L	D
2	N	P	R	S	T	U	V

K07-38



K07-40

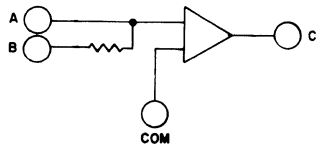


CKT NO	A	B	C
1	12	N	13
2	11	10	M

K07-45

	CKT NO	A	B	C
K07-45	1	3	4	1
	2	C	D	2
	3	F	E	7
	4	6	5	8
	5	16	17	14
	6	T	U	15
	7	W	X	21
	8	20	19	22
K07-45A	1	8	9	4
	2	6	7	5
	3	12	13	16
	4	10	11	17
	5	23	24	18
	6	21	22	20
	7	27	28	32
	8	25	26	33

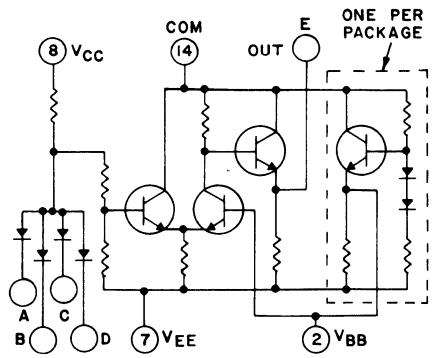
K07-46



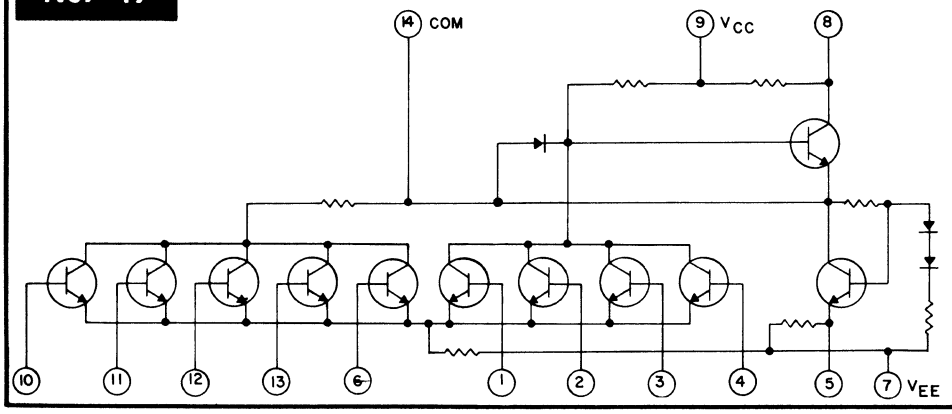
CKT NO	A	B	C	COM
1	E	5	D	4
2	H	7	F	6
3	L	10	K	9
4	N	12	M	11
5	S	15	R	14
6	U	17	T	16
7	X	20	W	19
8	Z	22	Y	21

K07-48

CKT. NO.	A	B	C	D	E
1	3	4	5	6	1
2	9	10	11	12	13

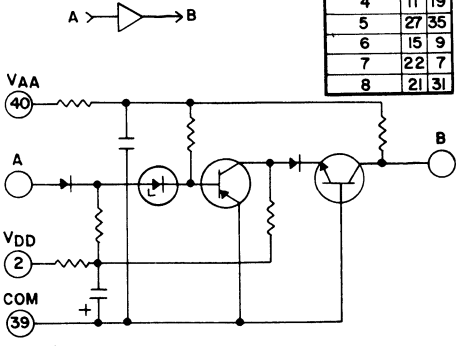


K07-49

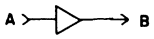


K07-52

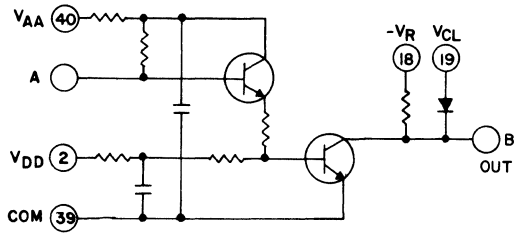
CKT. NO.	A	B
1	33	24
2	13	17
3	26	29
4	11	19
5	27	35
6	15	9
7	22	7
8	21	31



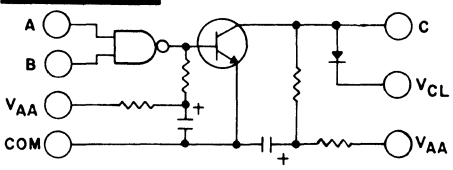
K07-53



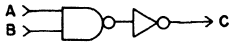
CKT. NO.	A	B
1	23	27
2	29	31
3	33	35
4	25	21
5	15	6
6	9	7
7	13	11
8	5	4



K07-54

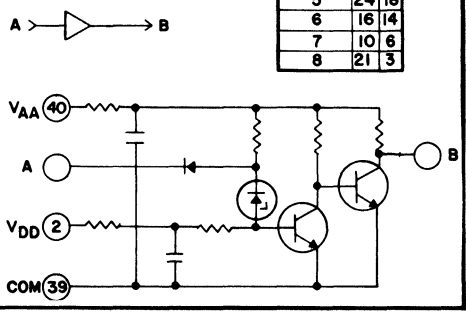


CKT. NO.	A	B	C
1	24	27	35
2	28	25	33
3	30	23	31
4	26	21	29
5	15	6	17
6	13	12	7
7	11	4	5
8	9	8	3

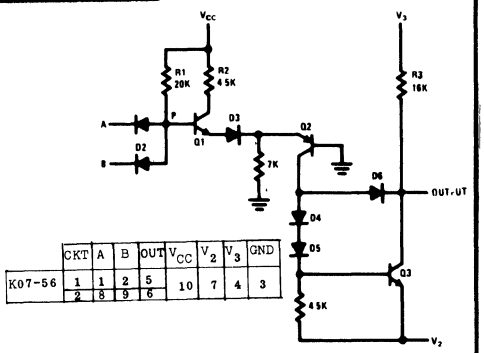


K07-55

CKT. NO.	A	B
1	34	36
2	30	32
3	28	26
4	20	22
5	24	18
6	16	14
7	10	6
8	21	3

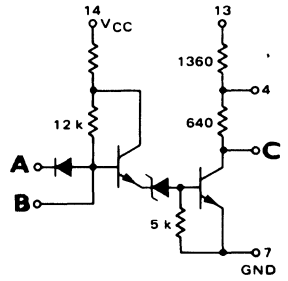


K07-56



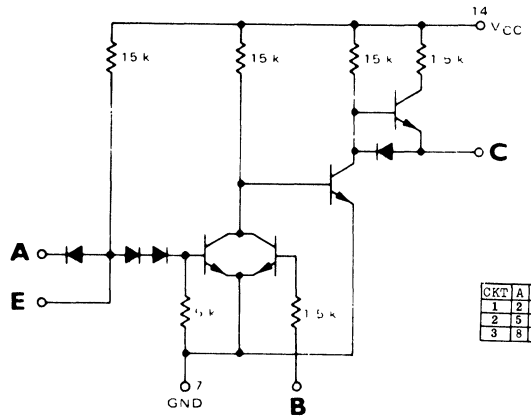
	CKT	A	B	OUT	V_{CC}	V_2	V_3	GND
K07-56	1	1	2	5	10	7	4	3
	2	8	9	6				

K07-57



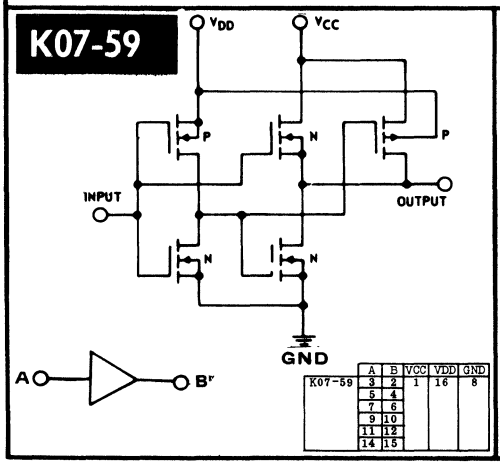
CKT	A	B	C
1	1	2	3
2	6	5	8
3	11	NC	10

K07-58



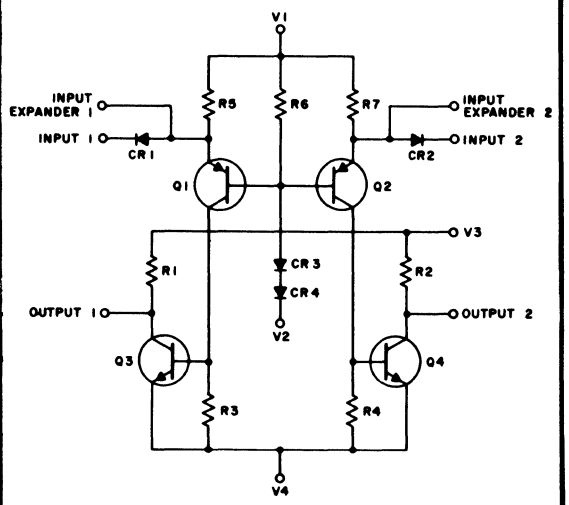
CKT	A	B	C	E
1	2	13	12	1
2	5	4	3	6
3	8	10	11	9

K07-59

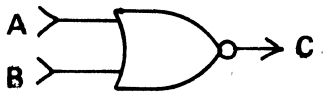


	A	B	VCC	VDD	GND
K07-59	3	2	1	16	8
	5	4			
	7	6			
	9	10			
	11	12			
	14	15			

K07-60

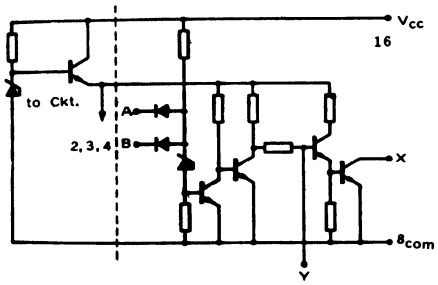


K07-61

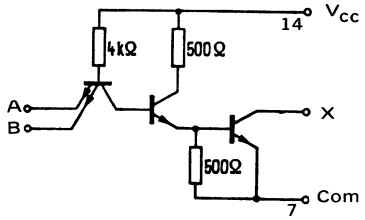


K07-61	CKT NO.	A	B	C
	1	3	4	2
	2	5	6	7
	3	11	12	10
	4	13	14	15

K07-64

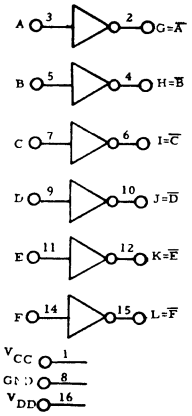


K07-65

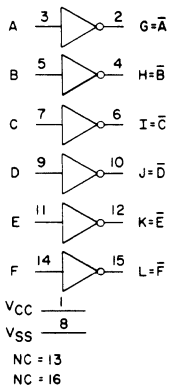


K07-65	CKT	A	B	X
	1	1	2	3
	2	4	5	6
	3	10	9	8
	4	13	12	11

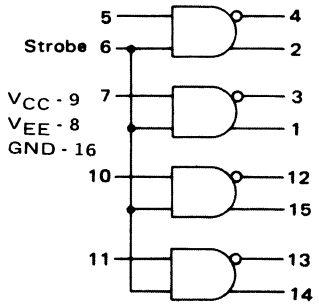
K07-67



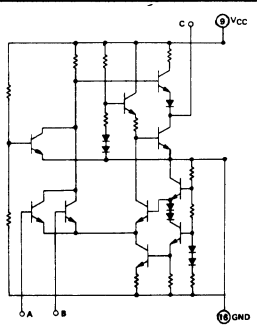
K07-68



K07-69

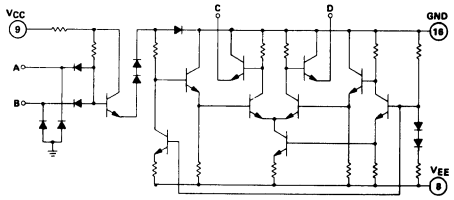


K07-70



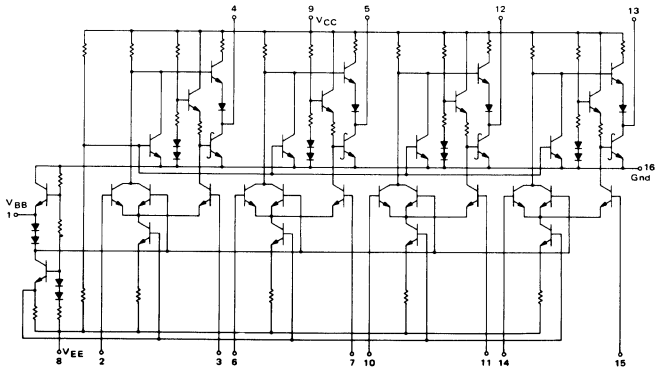
K07-70	CKT	A	B	C
	1	1	2	4
	2	6	7	5
	3	10	11	12
	4	14	15	13

K07-71

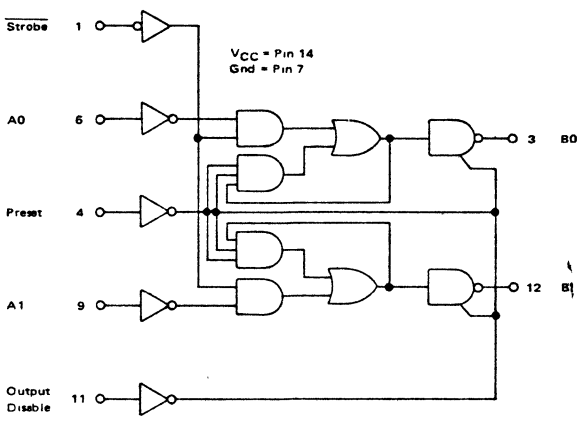


K07-71	CKT	A	B	C	D
	1	5	6	4	2
	2	7	6	3	1
	3	10	6	12	15
	4	11	6	13	14

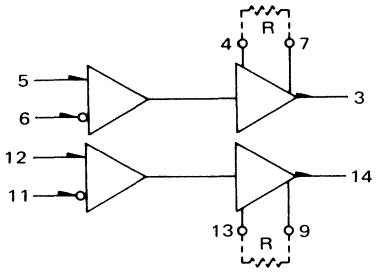
K07-72



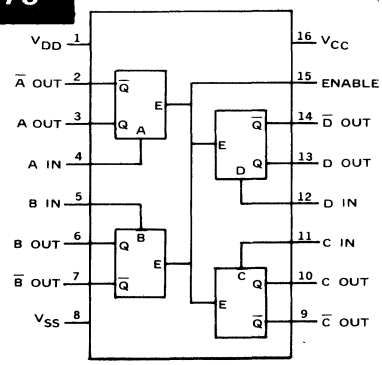
K07-73



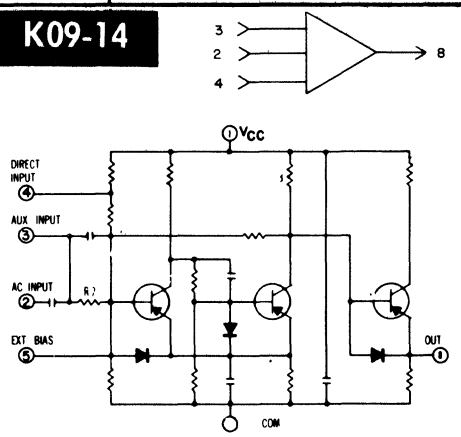
K07-74



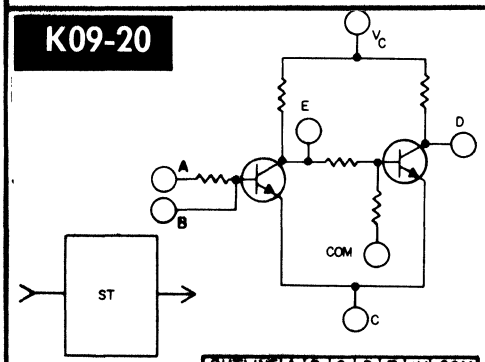
K07-75



K09-14

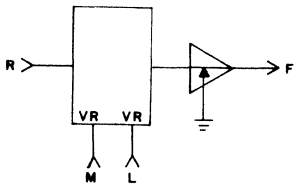


K09-20

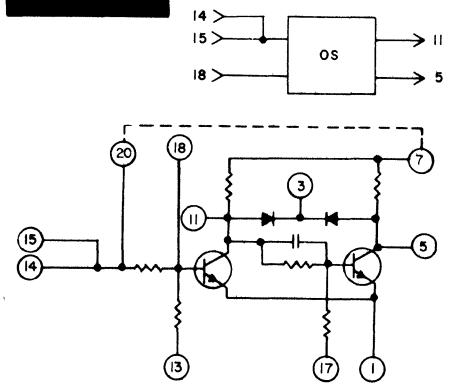


	OUTLINE	A	B	C	D	E	IV	COM
K09-20	G	9	5	10	8	6	7	4
	QBT	2	3	4	1	7	8	5
K09-20A	MP	9	5	10	8	6	7	4

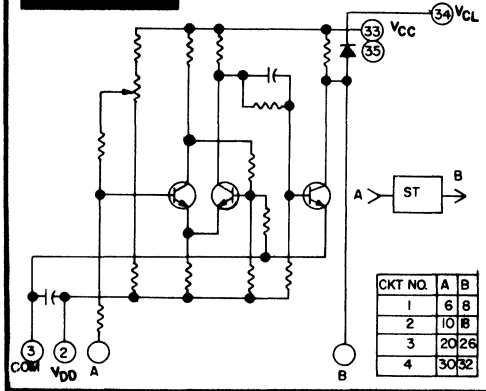
K09-21



K09-22

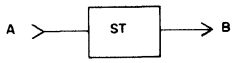


K09-37

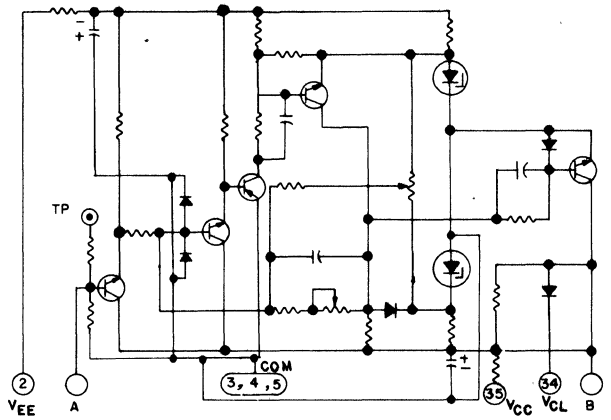


CKT NO.	A	B
1	6	8
2	10	8
3	20	26
4	30	32

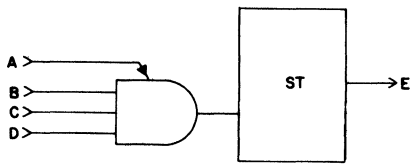
K09-38



CKT NO.	A	B
1	14	12
2	18	20



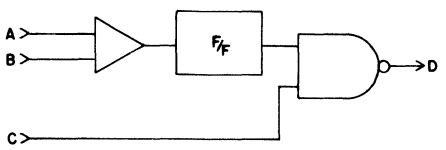
K09-44



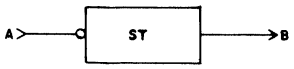
CKT. NO	A	B	C	D	E
1	2	1	14	13	12
2	6	7	8	9	11

K09-45

CKT. NO	A	B	C	D
1	8	11	4	5
2	16	14	21	20

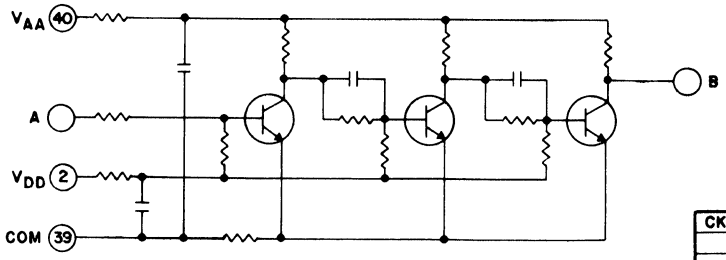


K09-46



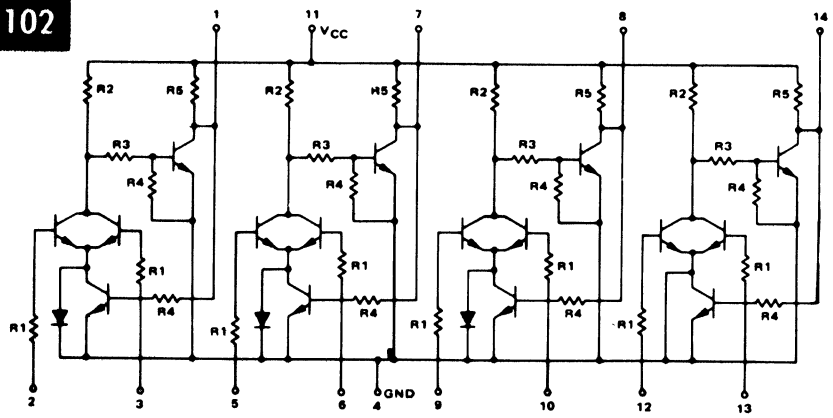
	CKT NO.	A	B
K09-46	1	L	3
	2	Z	S
K09-46A	1	4	17
	2	35	19

K09-101

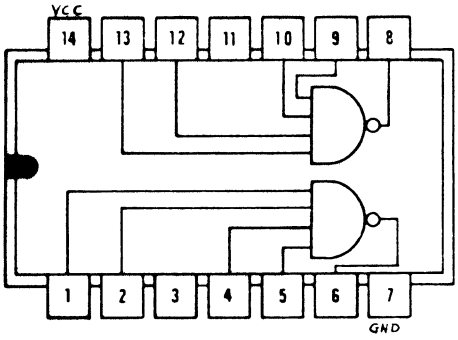


CKT NO.	A	B
1	36	8
2	34	6
3	32	10

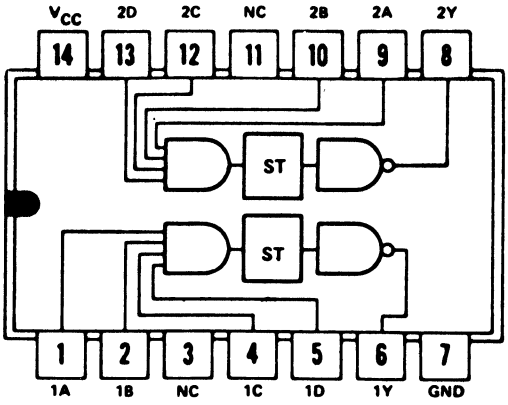
K09-102



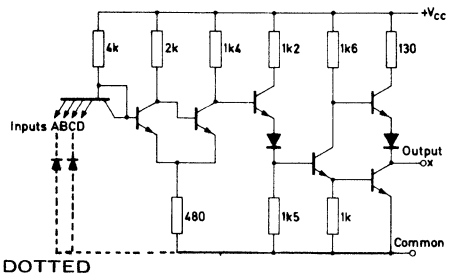
K09-104



K09-105



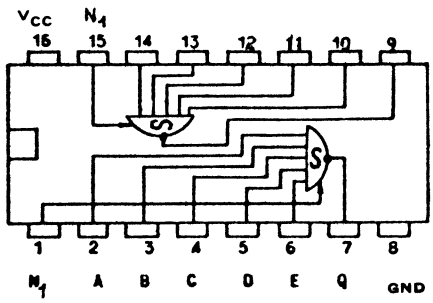
K09-106



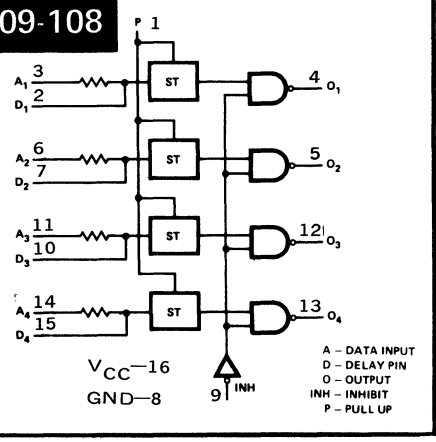
DOTTED PORTION FOR K09-106a ONLY

	CKT	A	B	C	D	X	VCC	COM
K09-106	1	1	2	4	5	6	14	7
	2	9	10	12	13	8	14	7
K09-106a	1	1	2			3	14	7
	2	4	5			6		
	3	9	10			8		
	4	13	12			11		

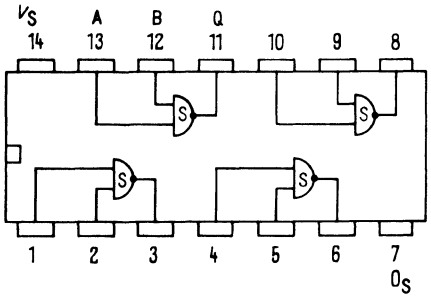
K09-107



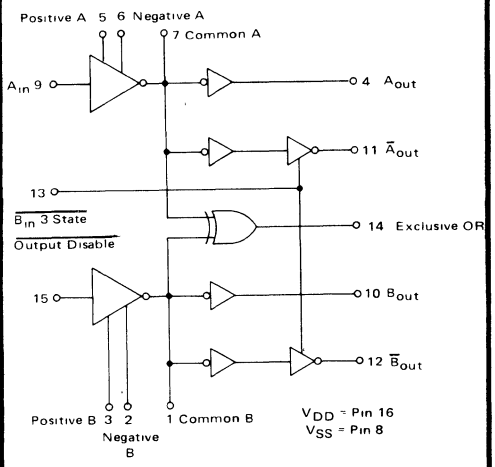
K09-108



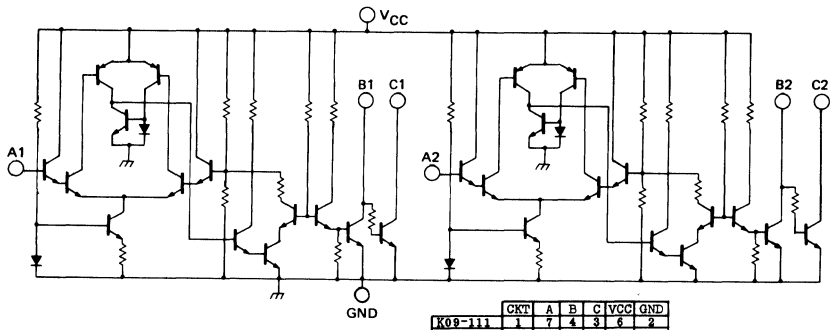
K09-109



K09-110

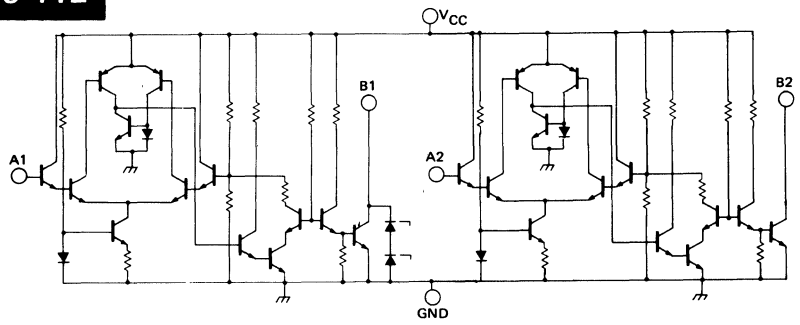


K09-111



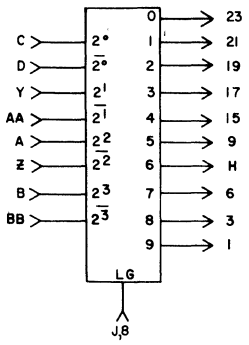
	CKT	A	B	C	VCC	GND
K09-111	1	7	4	3	6	2
K09-111a	1	7	1	8	6	2
	2	5	3	4		

K09-112



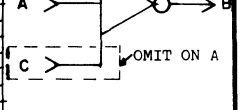
	CKT	A	B
K09-112	1	7	3
K09-112a	1	7	3
	2	5	4

K10-1

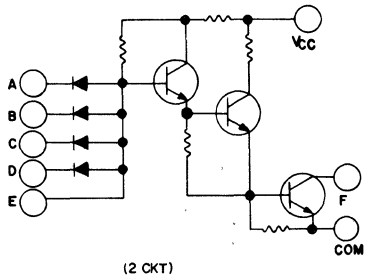


K10-11

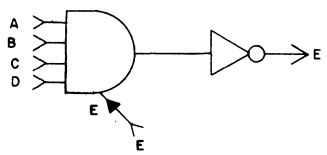
	CKT.No.	A	B	C
K10-11	1	E	D	
	2	H	F	
	3	K	J	
	4	M	L	
	5	P	N	
	6	S	R	
	7	U	T	V
K10-11a	1	E	F	
	2	H	J	
	3	K	L	
	4	M	N	
	5	P	R	
	6	S	T	
	7	U	V	
K10-11c	1	3	2	
	2	5	4	
	3	7	6	
	4	9	10	
	5	11	12	
	6	14	15	



K10-20

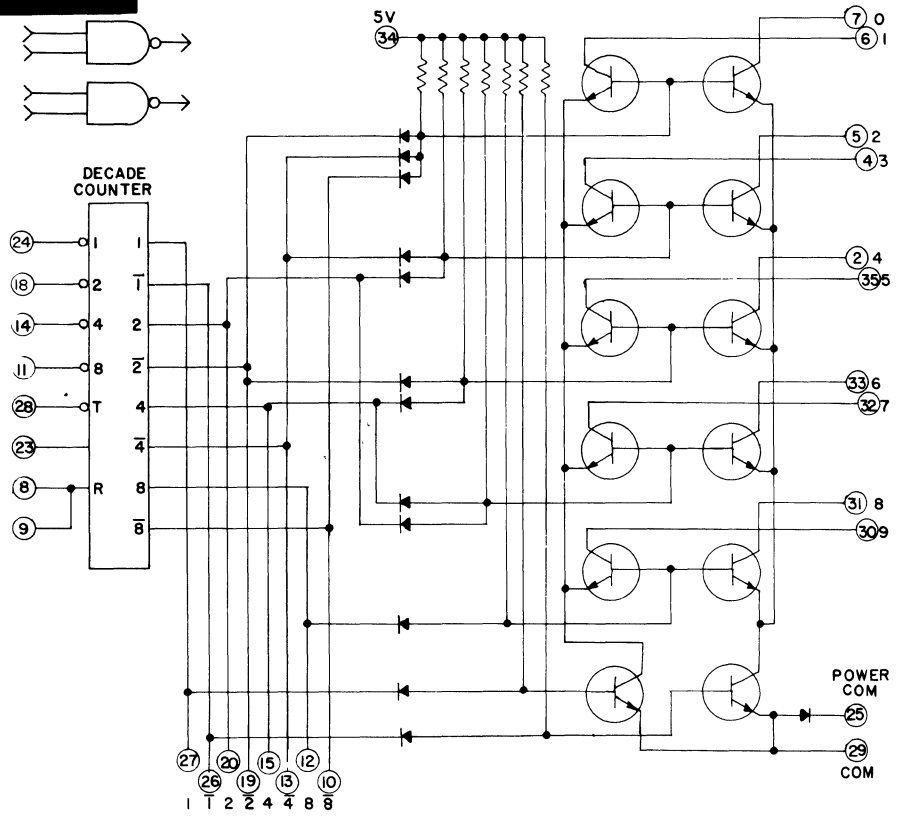


(2 CKT)



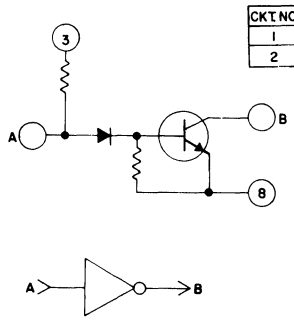
CKT NO	A	B	C	D	E	F	VCC	COM	OUTLINE
1	1	2	3	NC	NC	4	10	5	CN_1
2	9	8	NC	NC	7	6	10	5	
1	1	2	4	5	3	6	14	7	TO 8 FP
2	13	12	10	9	11	8	14	7	
1	1	2	3	4		5	12	6	CN_2
2	11	9	8		10	7	12	6	

K10-22

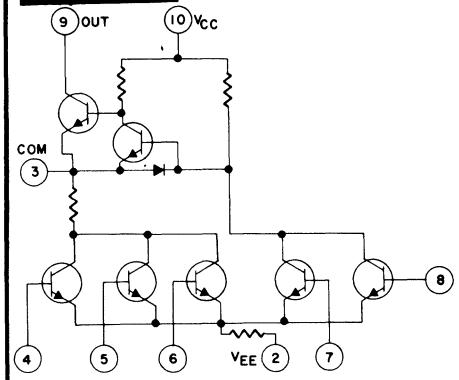


K10-29

CKT NO	A	B
1	1	6
2	2	5

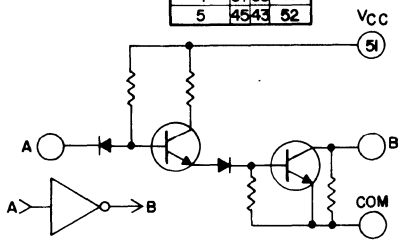


K10-31

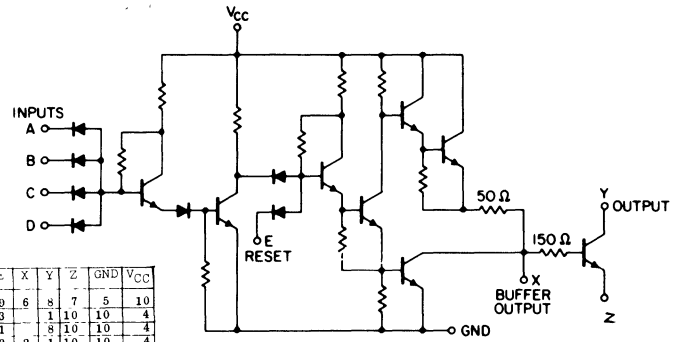


K10-35

CKT NO	A	B	COM
1	11	7	1
2	19	15	2
3	29	25	39
4	37	33	49
5	45	43	52

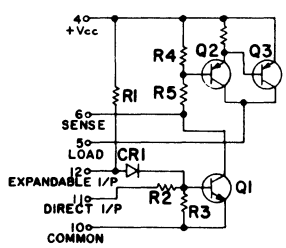


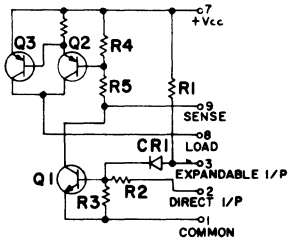
K10-36



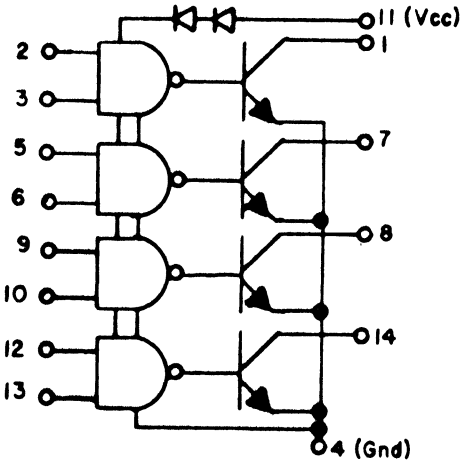
	CKT	A	B	C	D	E	X	Y	Z	GND	VCC
K10-36	1	1	2	3	4	9	6	8	7	5	10
K10-36a	1	5	6	7	9	3		1	10	10	4
	2	2	14	13	12	11		8	10	10	4
K10-36b	1	5	6	7		3	2	1	10	10	4
	2	12	13	14		11	9	8	10	10	4

K10-37

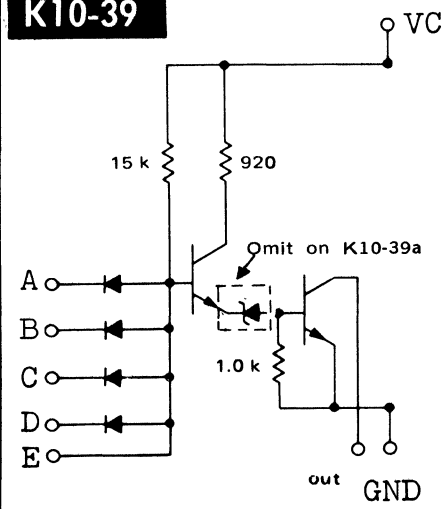




K10-38

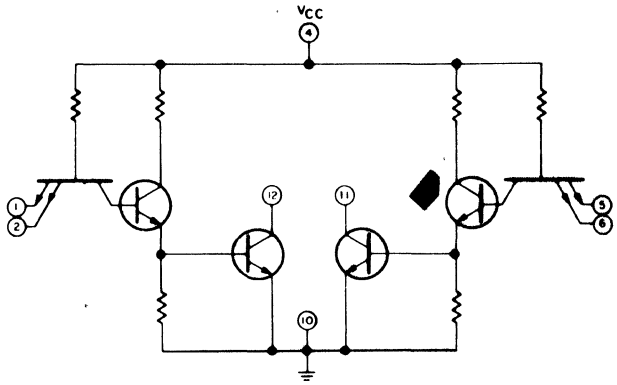


K10-39

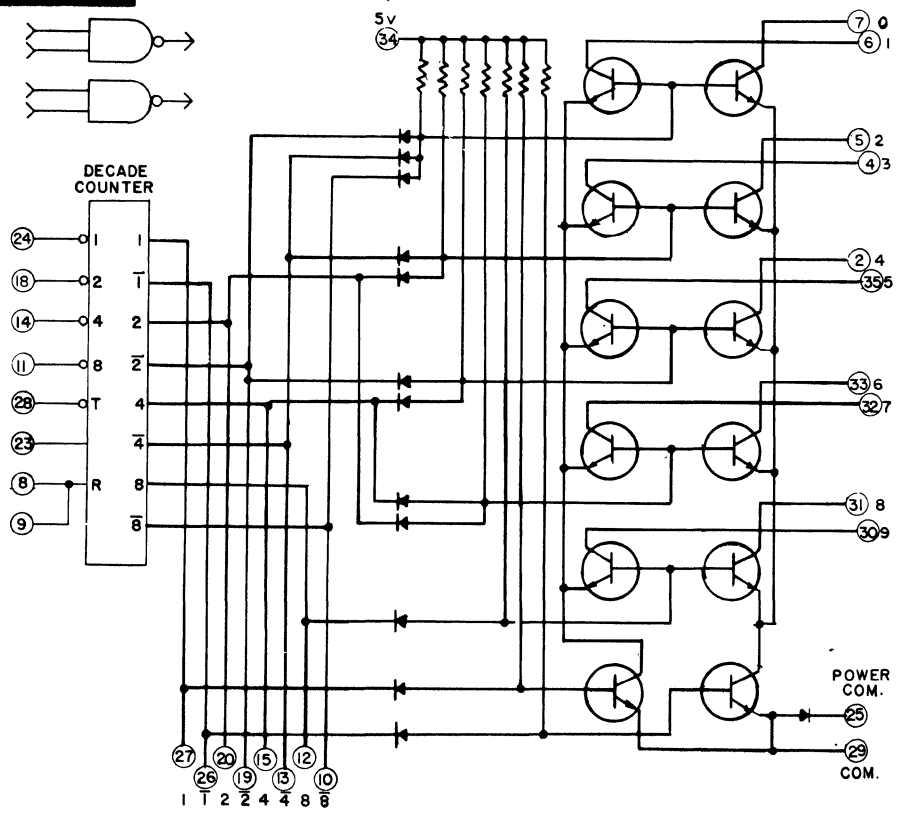


	CKT NO	A	B	C	D	E	OUT	VCC	GND
K10-39	1	1	2	4	5	3	6	14	7
	2	9	10	12	13	11	8		
K10-39a	1	1	2				3	4	10
	2	12	13				14	4	10
	3	5	6				7	4	10
	4	8	9				11	4	10
K10-39b	1	1	2	3	13		12	4	10
	2	5	6	7	9		11	4	10

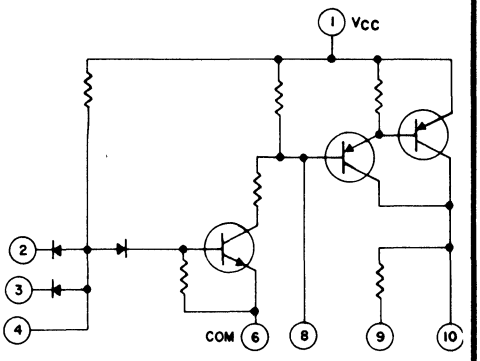
K10-40



K11-28

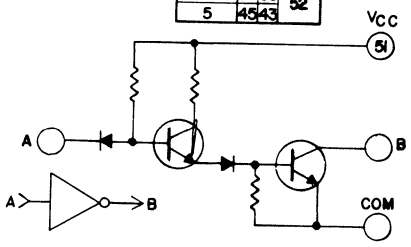


K11-31

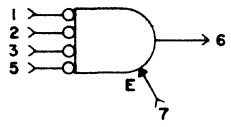


K11-32

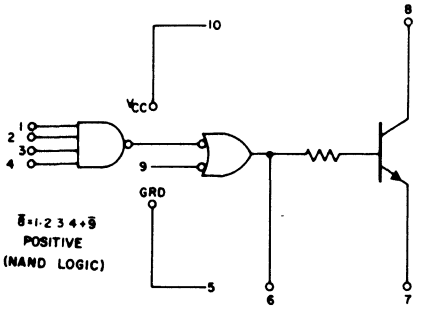
CKT. NO.	A	B	COM
1	11	7	1, 2, 39, 52
2	19	15	
3	29	25	
4	37	33	
5	45	43	



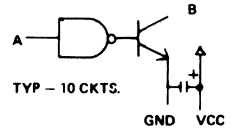
K11-33



K11-35

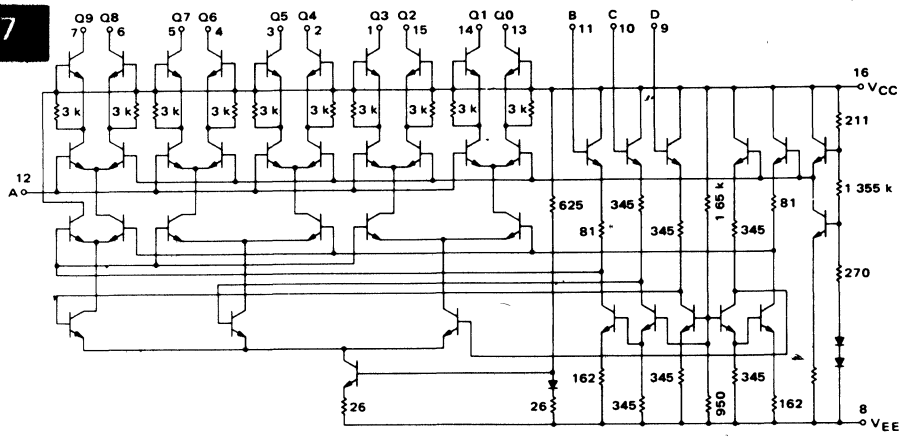


K11-36

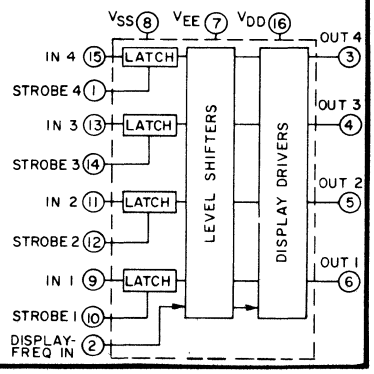


	CKT	A	B	VCC	GND
K11-36	1	39	47	51	1,52
	2	41	45		
	3	43	49		
	4	37	33		
	5	35	29		
	6	17	23		
	7	19	25		
	8	15	3		
	9	13	9		
	10	11	5		

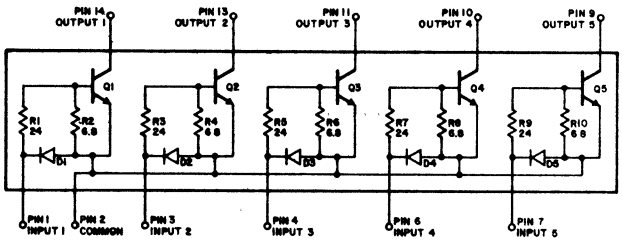
K11-37



K11-38

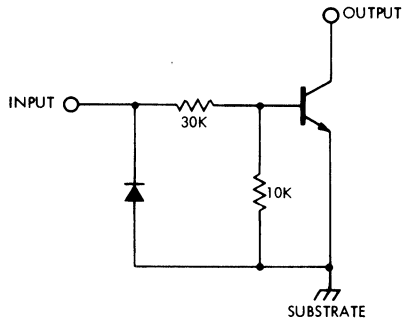


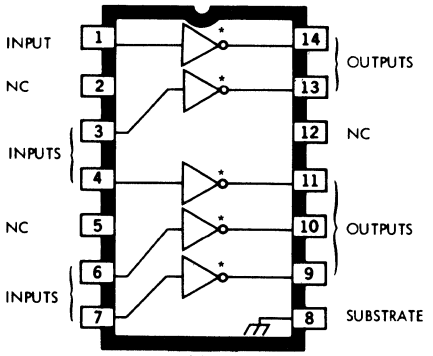
K11-39



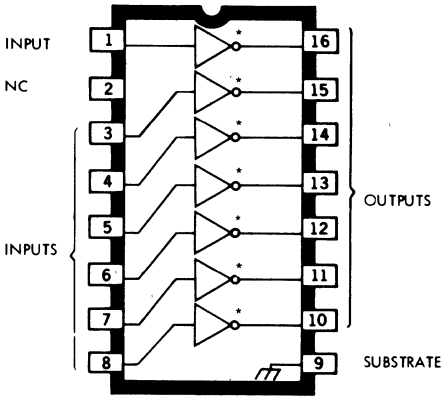
ALL RESISTOR VALUES IN kΩ WITHIN -5% TO +100% TOLERANCE

K11-40



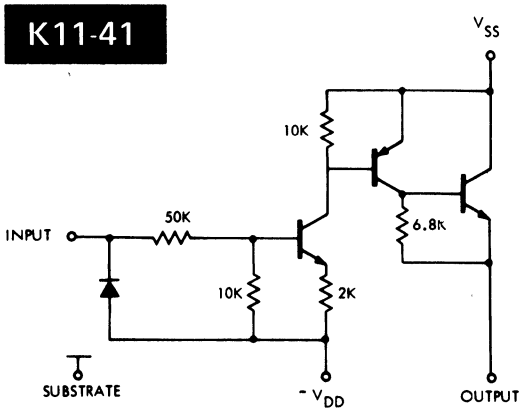


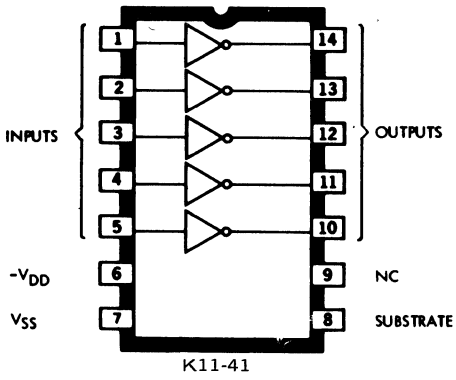
K11-40



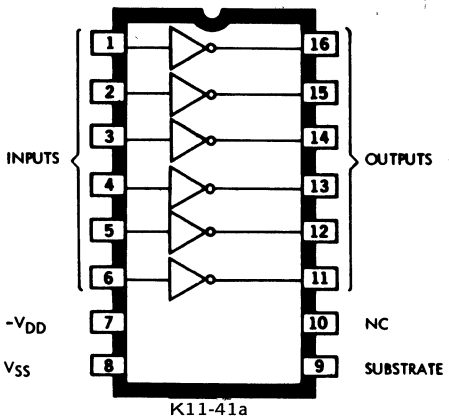
K-1140a

K11-41



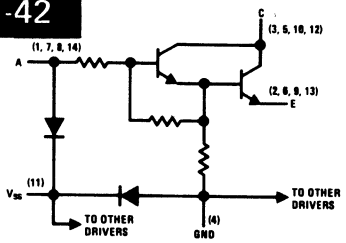


K11-41



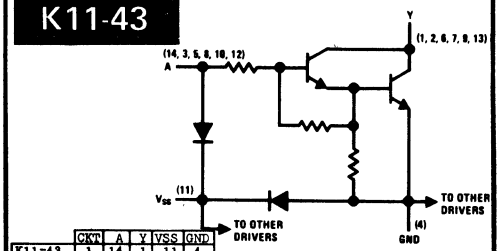
K11-41a

K11-42



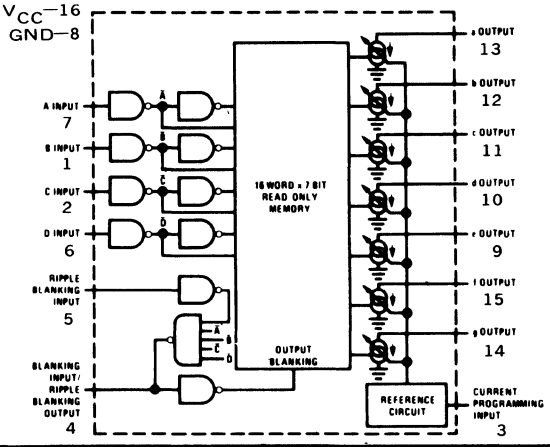
	CKT	A	C	E	VSS	GND
K11-42	1	1	3	2	11	4
	2	7	5	6		
	3	8	10	9		
	4	14	12	13		
K11-42a	1	4	2	3	18	9
	2	6	8	7		
	3	12	10	11		
	4	13	15	14		
	5	16	1	17		

K11-43

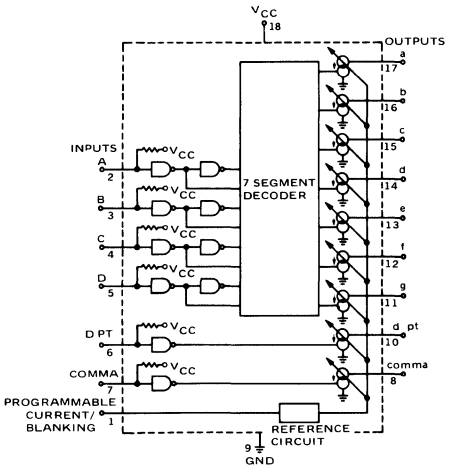


	CKT	A	Y	VSS	GND
K11-43	1	14	1	11	4
	2	3	2		
	3	5	6		
	4	8	7		
	5	10	9		
	6	12	13		
K11-43a	1	2	1	18	9
	2	3	4		
	3	6	5		
	4	8	7		
	5	11	10		
	6	13	12		
	7	15	14		
	8	17	16		

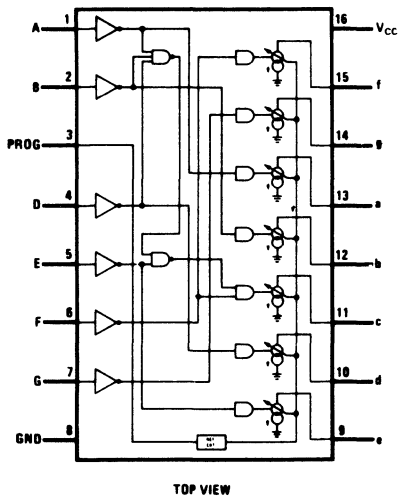
K11-44



K11-45

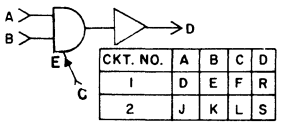


K11-46



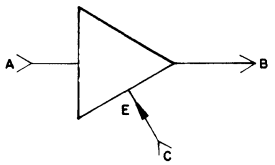
TOP VIEW

K12-19



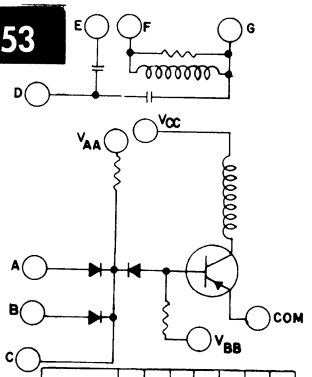
CKT. NO.	A	B	C	D
1	D	E	F	R
2	J	K	L	S

K12-52



CKT NO	A	B	C
1	D	F	E
2	H	K	J
3	L	N	M
4	P	S	R

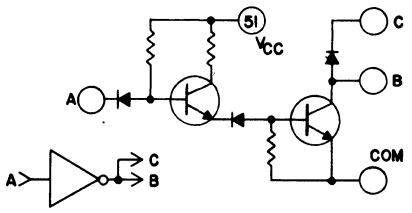
K12-53



CKT NO	A	B	C	D	E	F	G
1	D	E	F	R	P	N	M
2	H	J	K	V	U	T	S

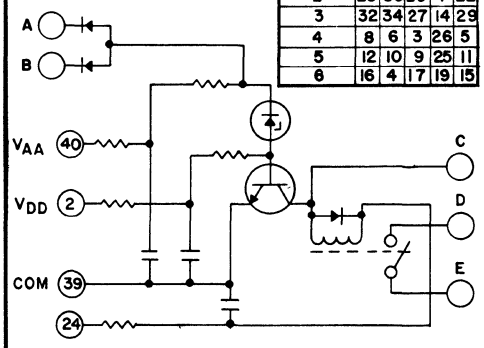
K12-59

CKT NO.	A	B	C	COM
1	11	7	5	1, 2, 39, 52,
2	19	15	13	
3	29	25	23	
4	37	33	35	
5	45	43	47	

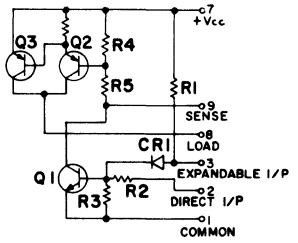


K12-62

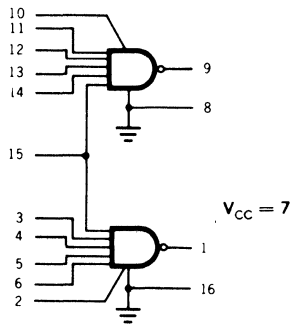
CKT. NO.	A	B	C	D	E
1	18	36	21	13	23
2	28	30	20	7	22
3	32	34	27	14	29
4	8	6	3	26	5
5	12	10	9	25	11
6	16	4	17	19	15



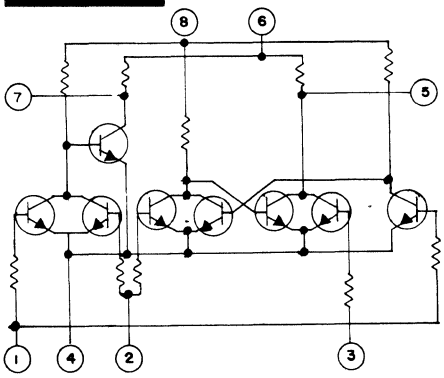
K12-63



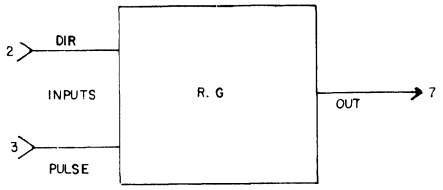
K12-64

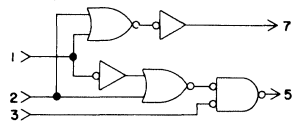


K15-8

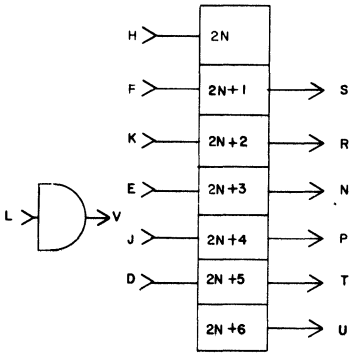


K15-13

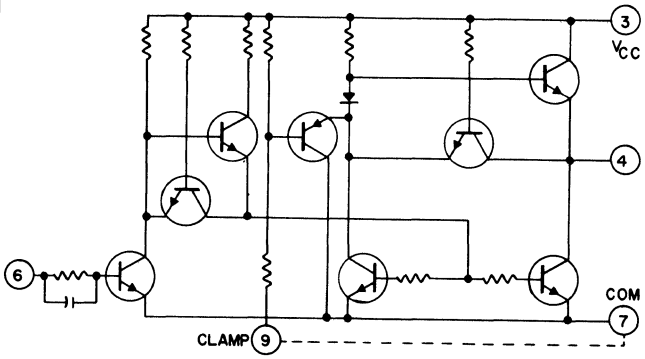




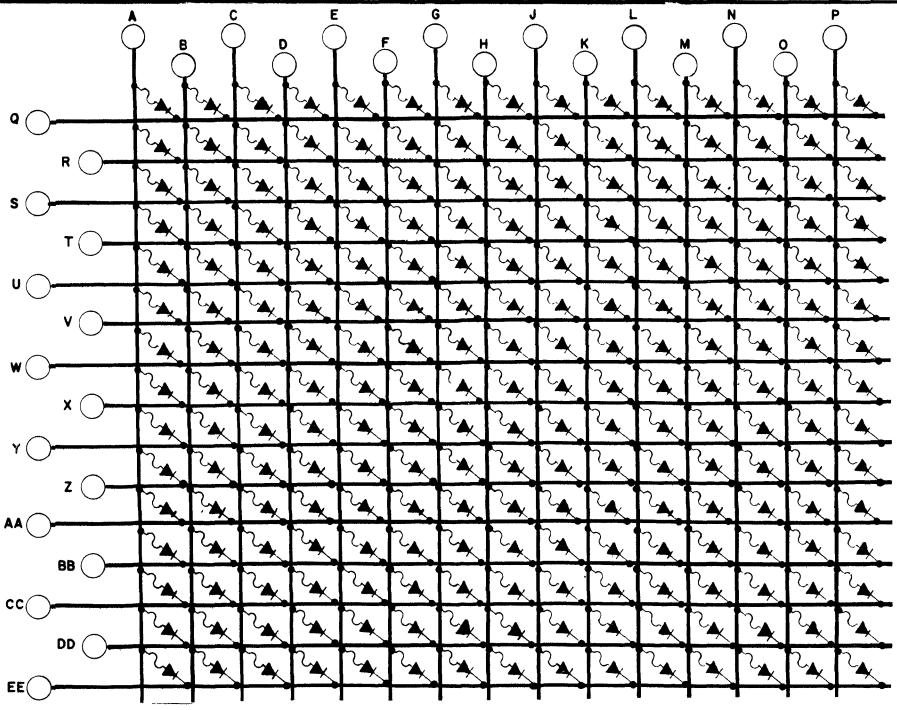
K15-55



K15-81

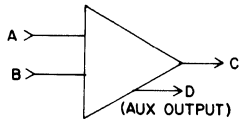


K15-108



	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	BB	CC	DD	EE
K15108	31		30		29		28			27	14	26	15	25	16	23		22			21	4	20	5	19	6	18	7	17	8
K15108A	31		30		29		28			27	14	26	15	25	16	21		20			19	4	18	5	17						
K15108B	31		30		29		28			27	14	26	15	25	16	18		17												
K15108C	29		28		27		26			25						23		22			21	4	20	5	19	6	18	7	17	8
K15108D	29		28		27		26			25						21		20			19	4	18	5	17					
K15108E	29		28		27		26			25						18		17												
K15108F	26		25													23		22			21	4	20	5	19	6	18	7	17	8
K15108G	26		25													21		20			19	4	18	5	17					
K15108H	1	7	14	8	13											2	3	4	5	6										
K15108I	1	7	14	8	13	9	12	10								2	3	11	4	5	6									
K15108J	1	7	14	8	13	9	12	10								2	3	4	5	6										

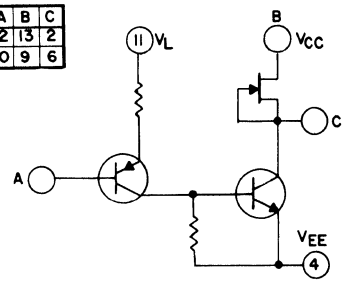
K15-112



	CKT NO.	A	B	C	D	VCC	COM
K15-112	1	4	5	1	2		
	2	9	10	6	8		
	3	14	15	12	13		
	4	17	11	18	20		
	5	21	22	24	25		
	6	28	27	30	31		
K15-112a	1	1	2	3		7	14
	2	5	6	4		7	14
	3	8	9	10		7	14
	4	12	13	11		7	14

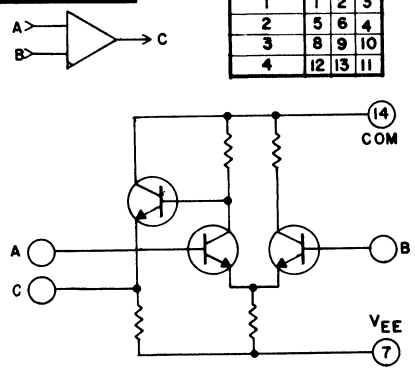
K15-116

CKT NO	A	B	C
1	12	13	2
2	10	9	6

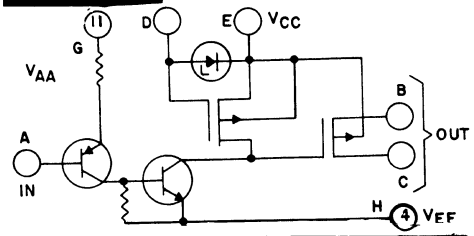


K15-125

CKT. NO.	A	B	C
1	1	2	3
2	5	6	4
3	8	9	10
4	12	13	11



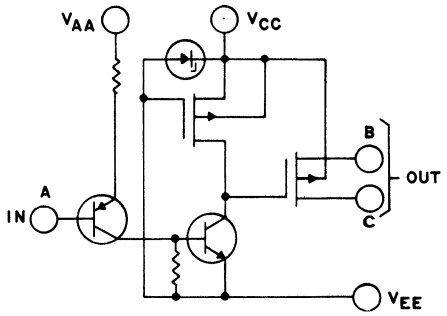
K15-137



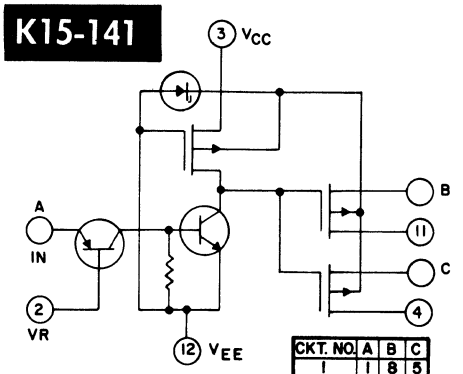
	CKT. NO.	A	B	C	D	E	G	H
K15-137	1	12	2	14	3	13	11	4
	2	10	6	8	5	9	11	4
K15-137a	1	9	13	3	4	12	10	5
	2	8	14	3	4	12	10	5
	3	7	1	3	4	12	10	5
	4	6	2	3	4	12	10	5

K15-140

	CKT NO.	A	B	C	VAA	VCC	VEE
K15-140	1	5	2	3	10	11	4
	2	6	1	3			
	3	7	14	3			
	4	8	13	3			
	5	9	12	3			
K15-140a	1	10	6	8	11	9	4
	2	12	2	14			

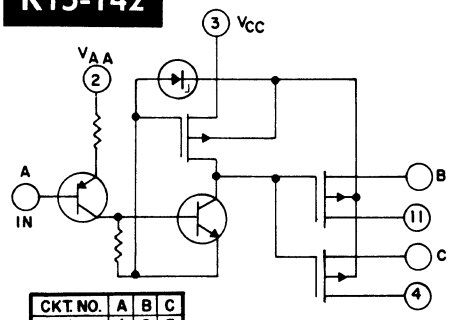


K15-141



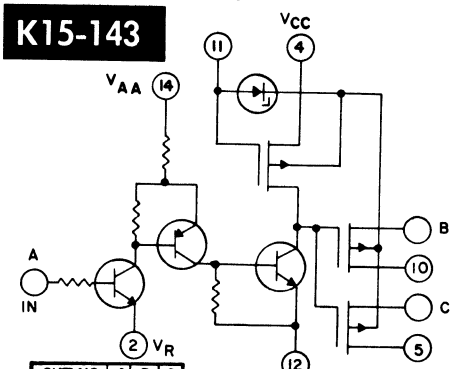
CKT. NO.	A	B	C
1	1	8	5
2	14	9	6
3	13	10	7

K15-142



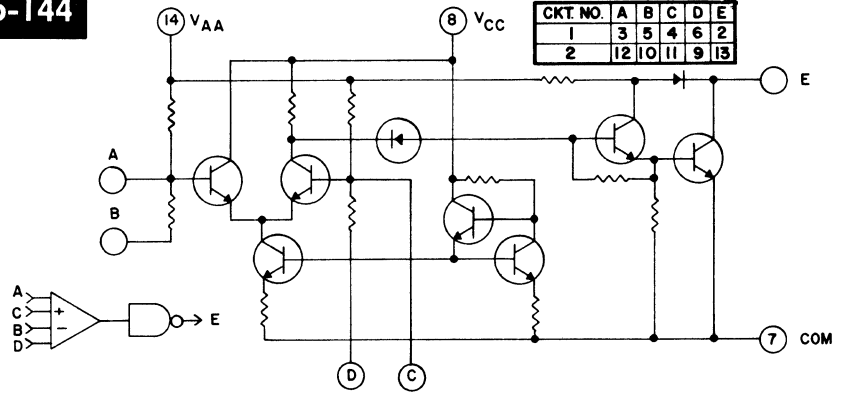
CKT. NO.	A	B	C
1	1	8	5
2	14	9	6
3	13	10	7

K15-143



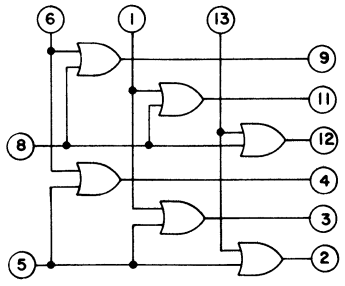
CKT. NO.	A	B	C
1	1	8	6
2	13	9	7

K15-144

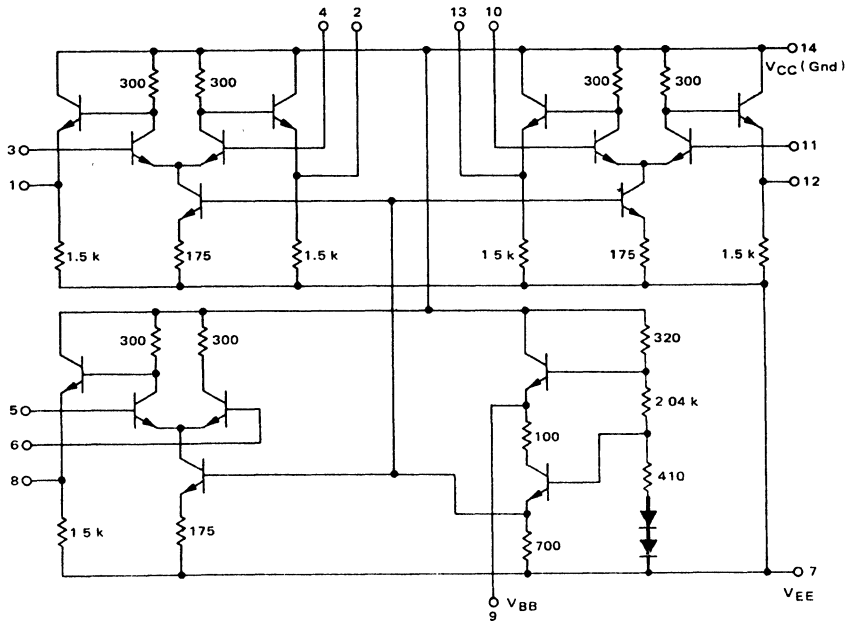


CKT. NO.	A	B	C	D	E
1	3	5	4	6	2
2	12	10	11	9	13

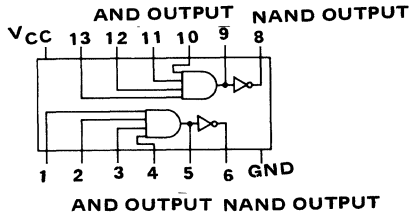
K15-146



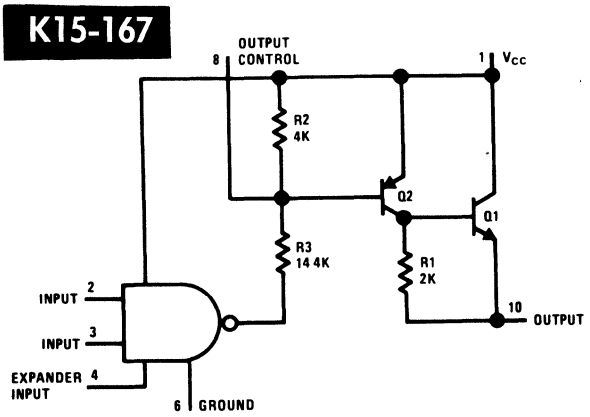
K15-159

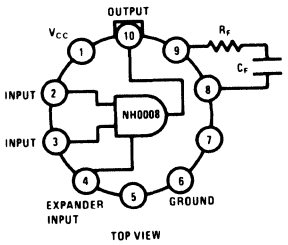


K15-161

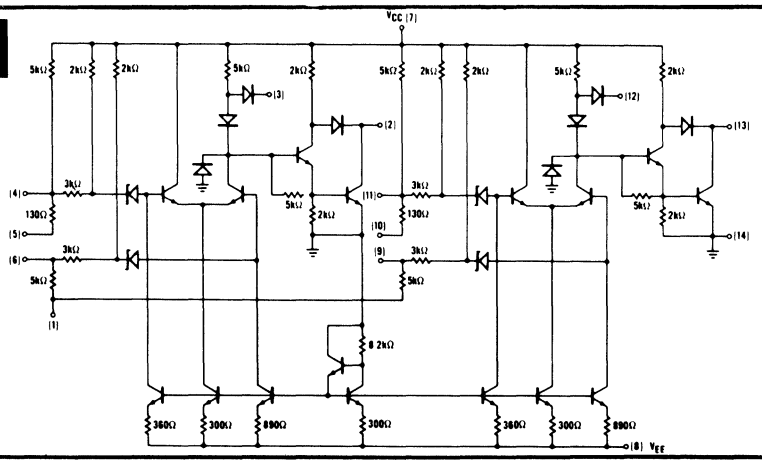


K15-167

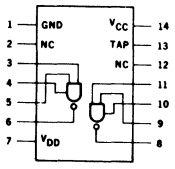




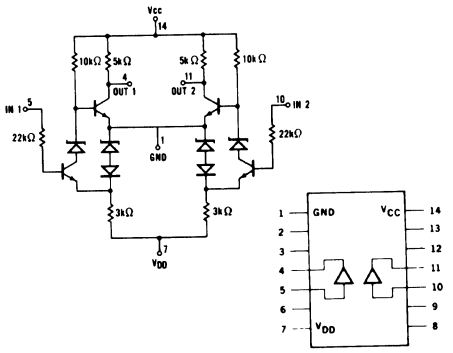
K15-185



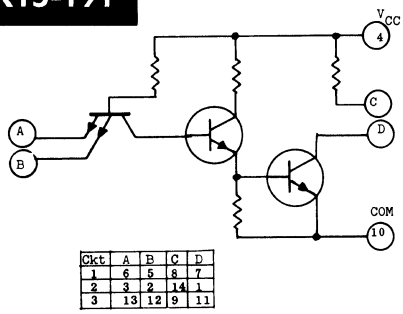
K15-186



K15-190

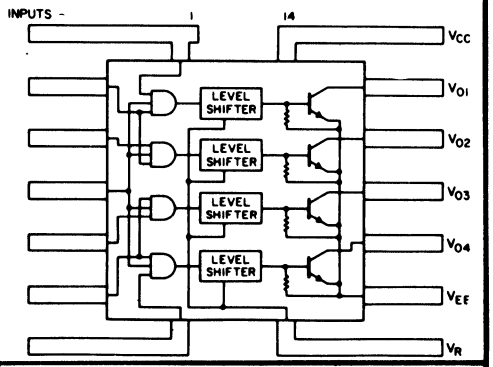


K15-191

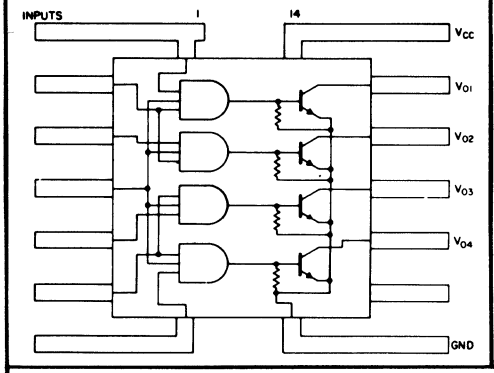


Ckt	A	B	C	D
1	6	5	8	7
2	3	2	14	1
3	13	12	9	11

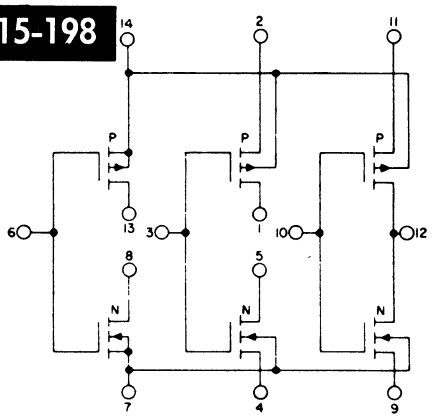
K15-192



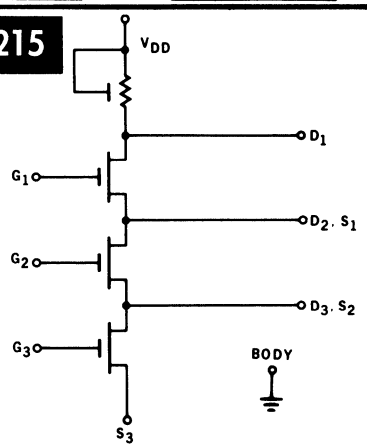
K15-193



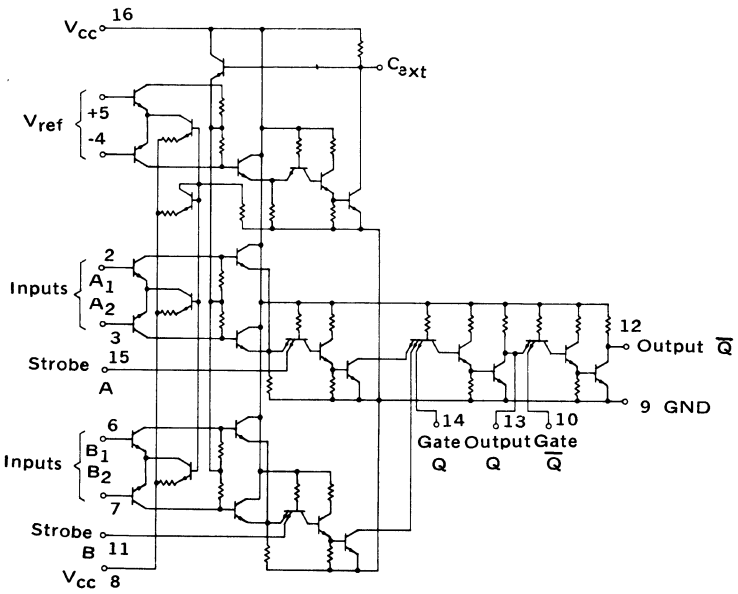
K15-198



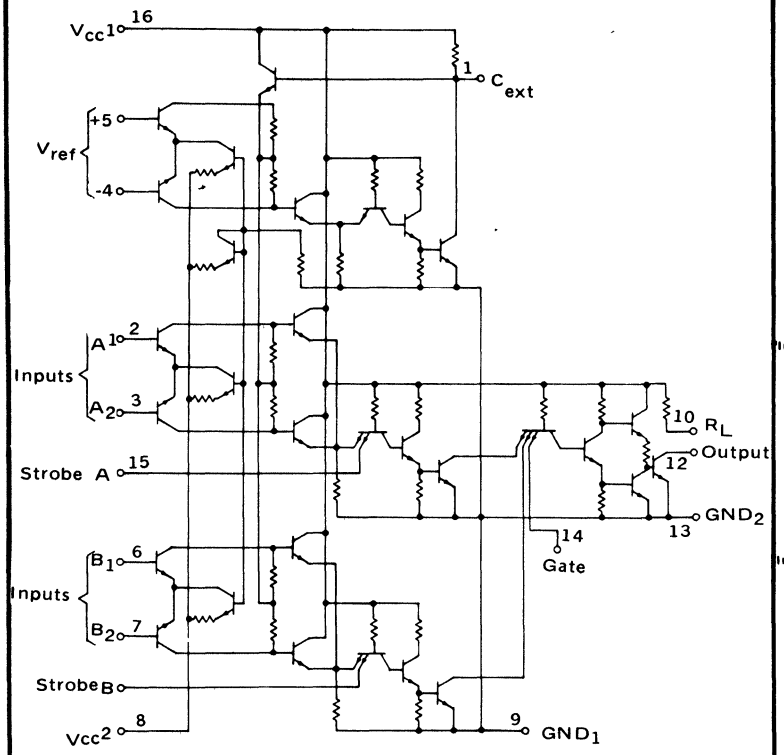
K15-215



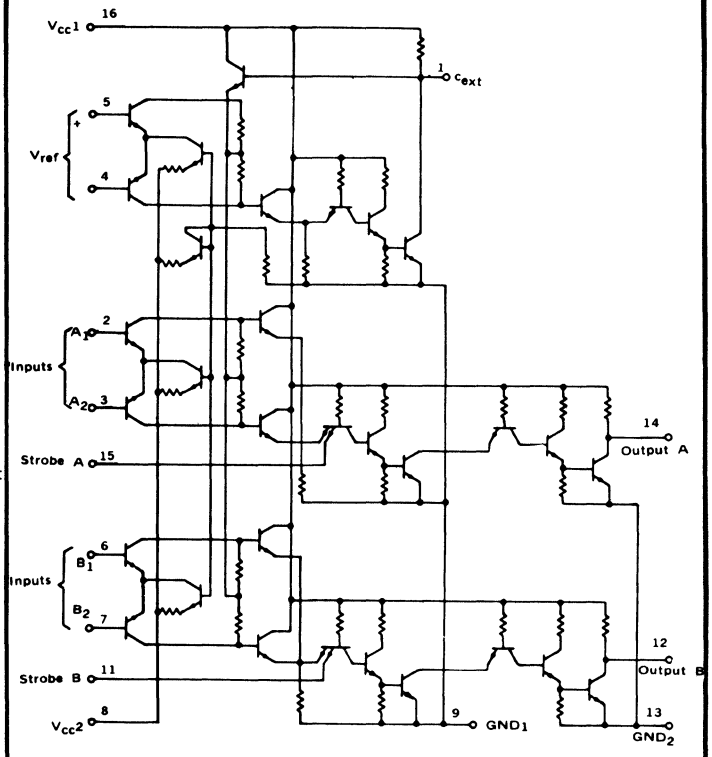
K15-221



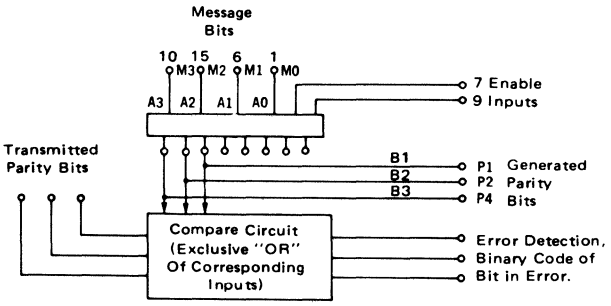
K15-222



K15-223



K15-227



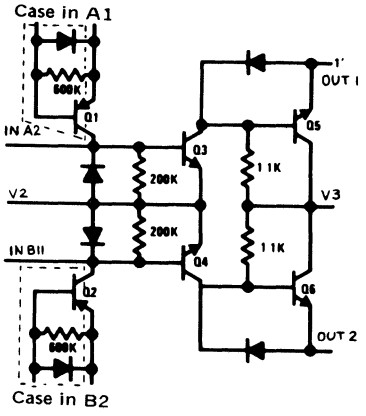
Output Bit	B0	B1	B2	B3	B4	B5	B6	B7
Pin No.	13	14	12	11	5	4	2	3

V_{CC} = Pin 16
GND = Pin 8

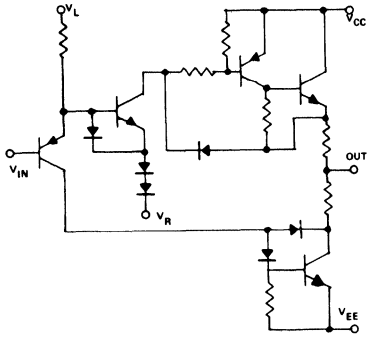
K15-230

	IN_{A1}	IN_{A2}	IN_{B1}	IN_{B2}	BIAS	CASE	V2	V3	OUT_1	OUT_2
K15-230	2	8	4	6	3,7		5	11	12	10
K15-230a	2	8	4	6		3	5	11	12	10

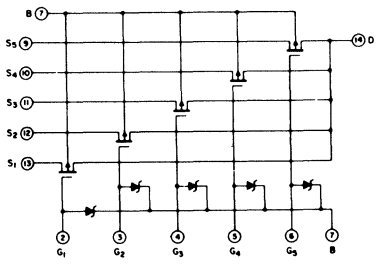
Dotted area omitted on K15-230a



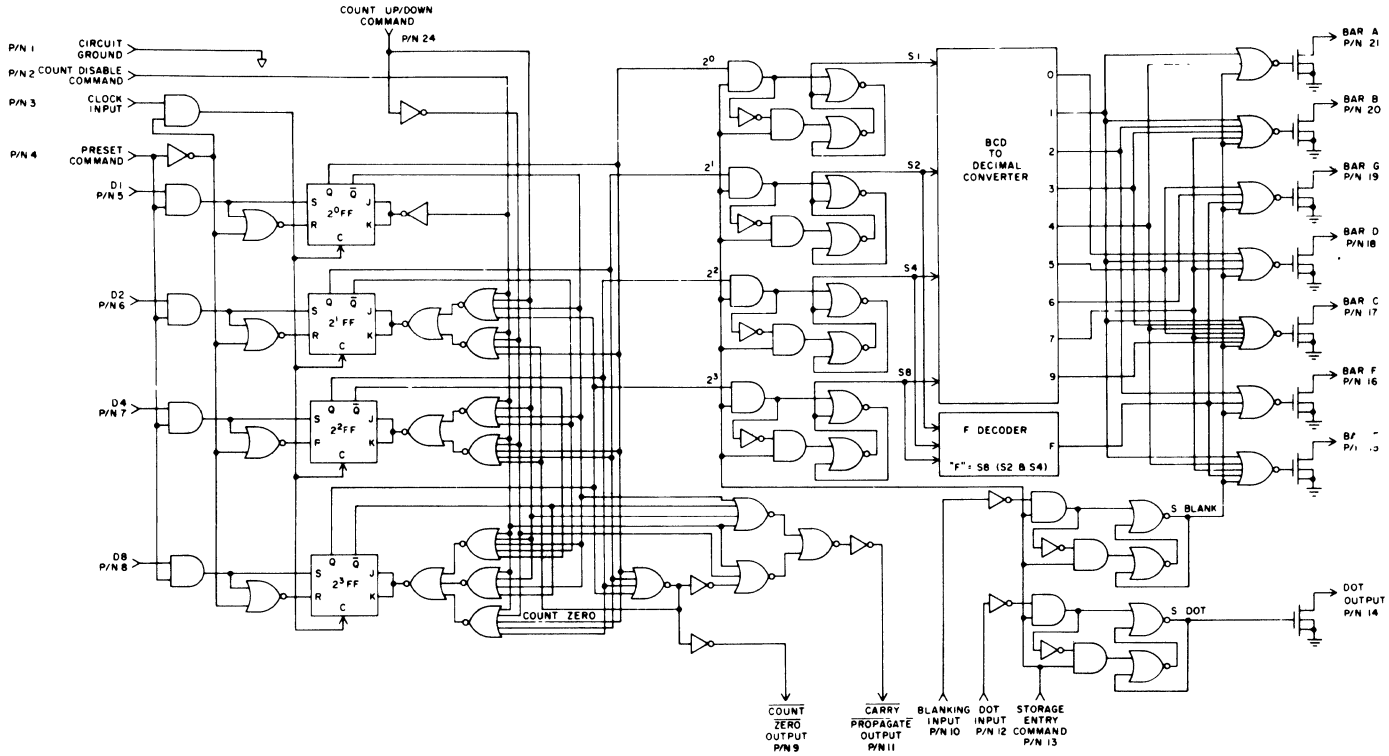
K15-237



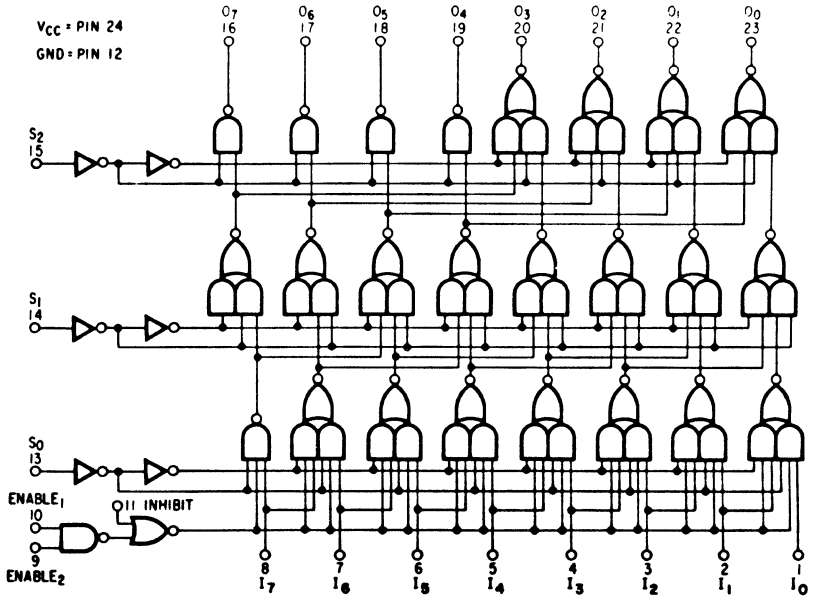
K15-239



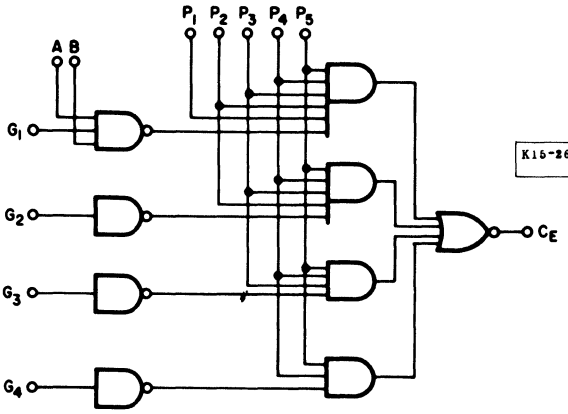
K15-254



K15-263



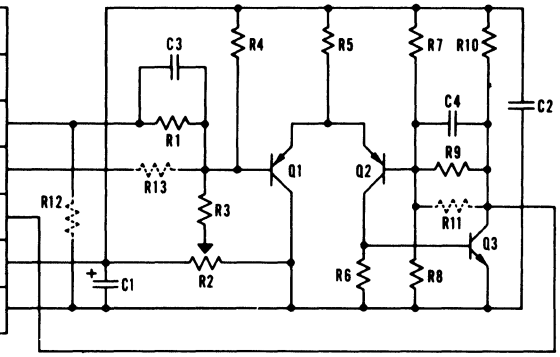
K15-267



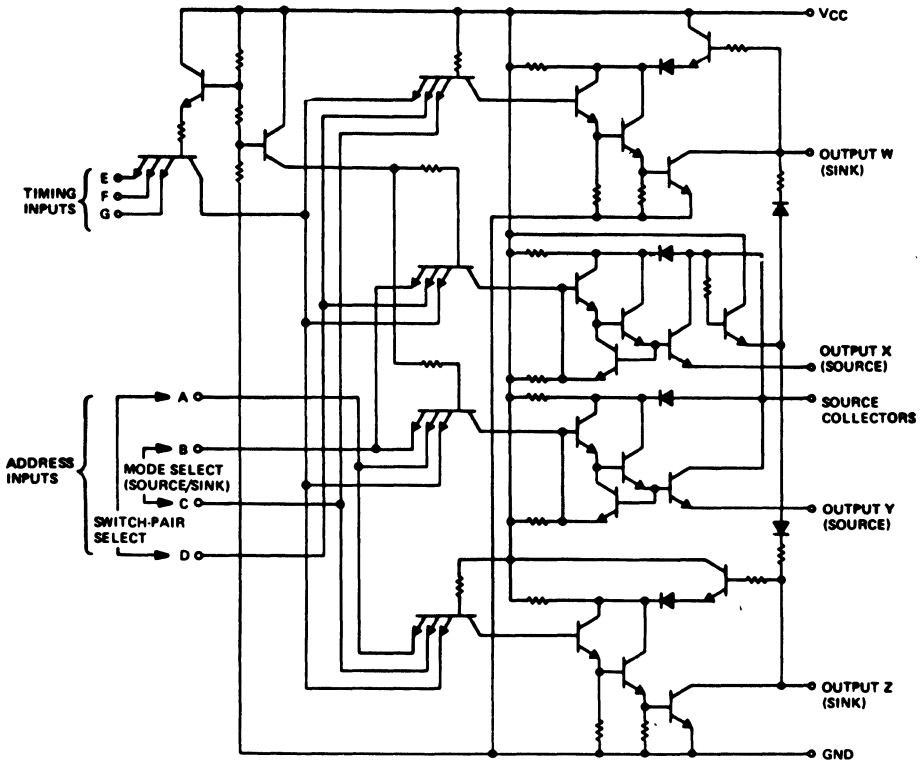
	PKG	G_2	P_2	G_3	P_3	G_4	P_4	C_E	P_5	B	G_1	A	P_1	VCC	GND
K15-267	P	1	2	3	4	5	6	8	9	10	11	12	13	14	7
	P	5	6	7	8	9	10	12	13	14	1	2	3	4	11

K15-273

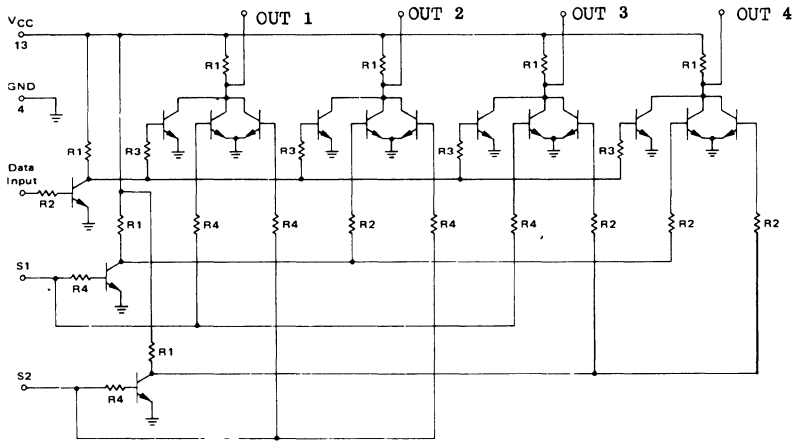
FUNCTION	CONNECTOR PINS	
	CKT 1	CKT 2
INPUT	41	13
EXTERNAL REFERENCE	29	23
OUTPUT	33	21
V_{CC}	51	
GRD	1 9 52 45	



K15-277

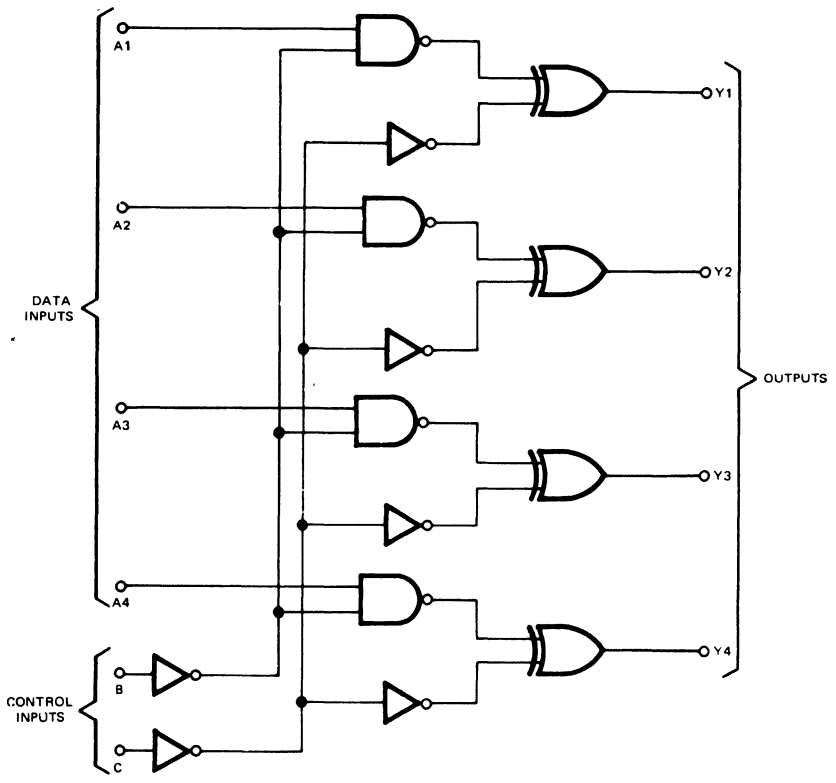


K15-285

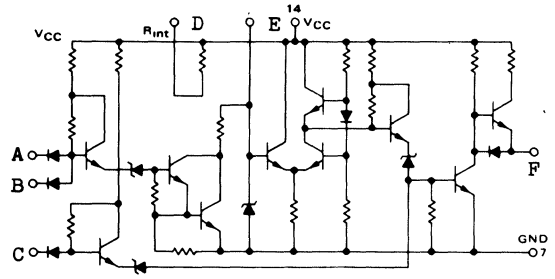


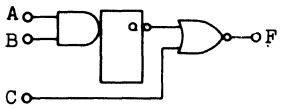
	CKT NO.	D_1	S_1	S_2	OUT_1	OUT_2	OUT_3	OUT_4
K15-285	1	1	2	16	3	5	15	14
	2	9	8	10	7	6	11	12

K15-290



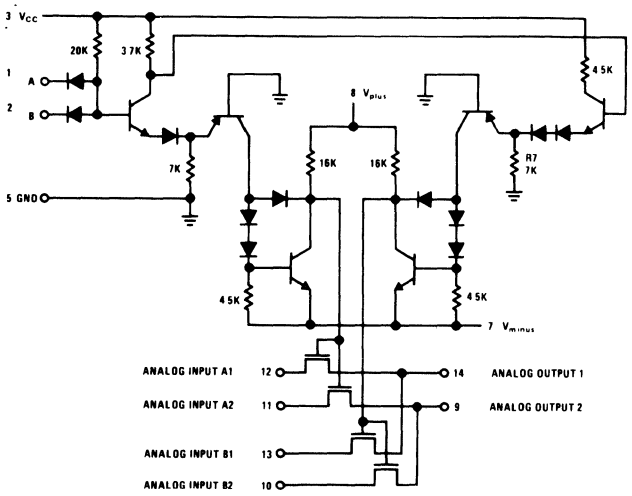
K15-295



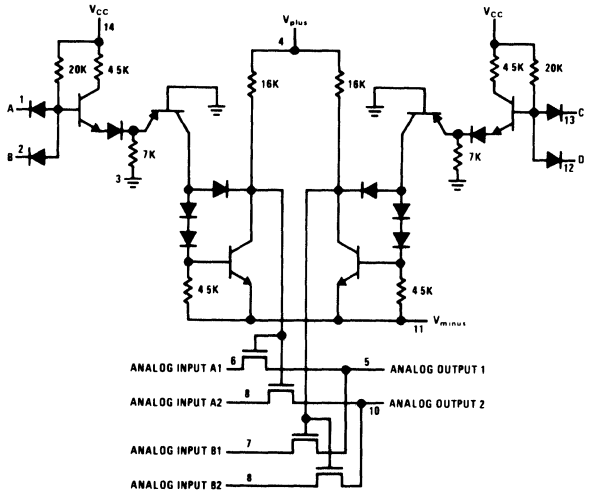


	CKT.NO.	A	B	C	D	E	F
K15-295	1	1	2	5	3	4	6
	2	12	13	9	11	10	8

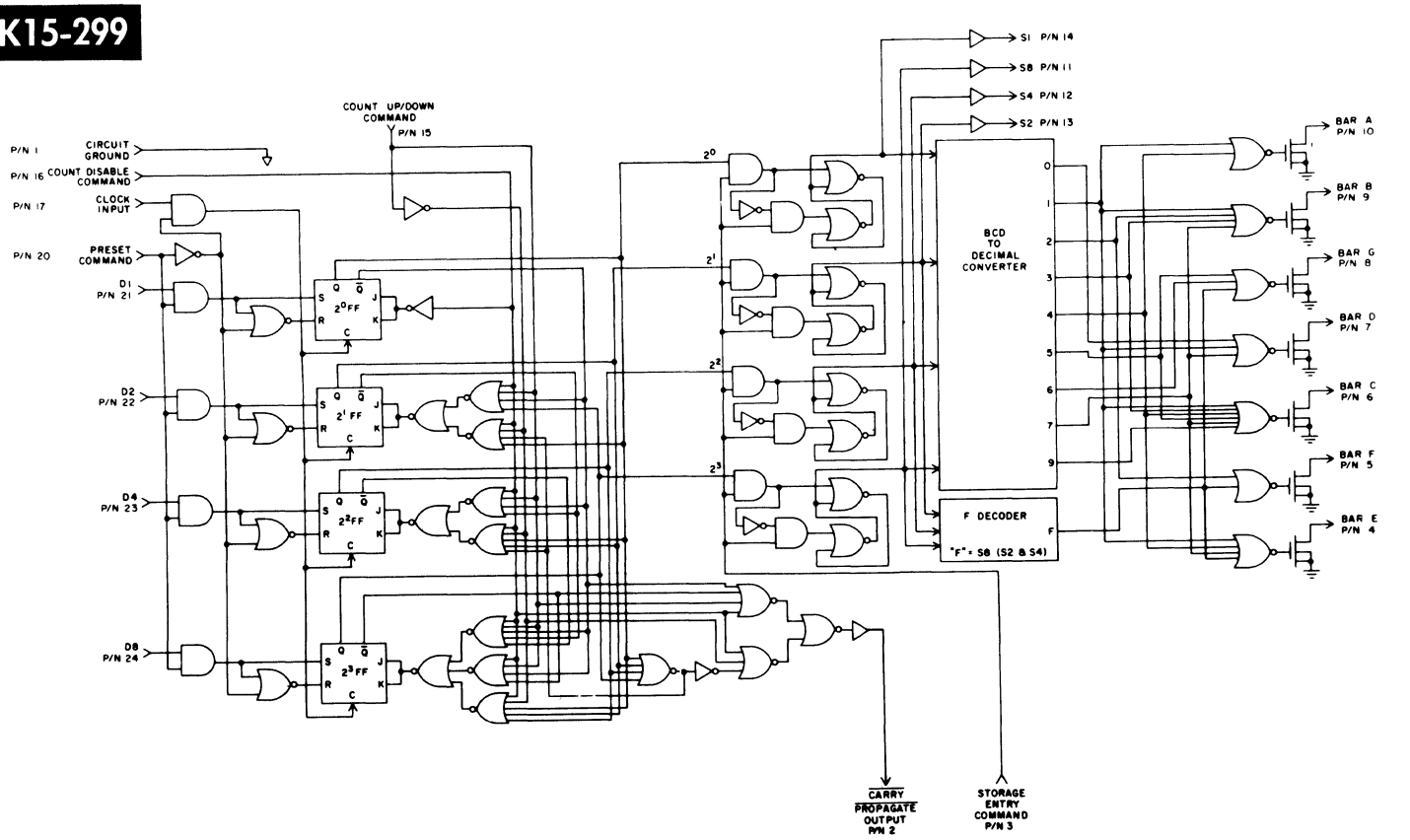
K15-296



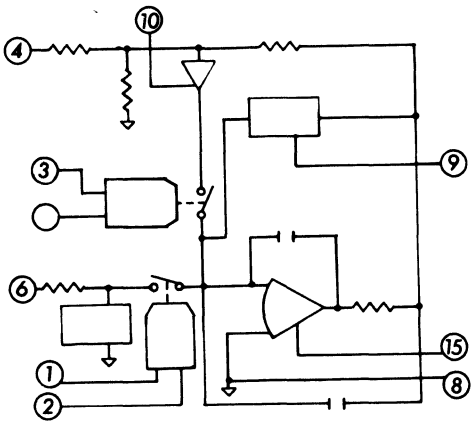
K15-297



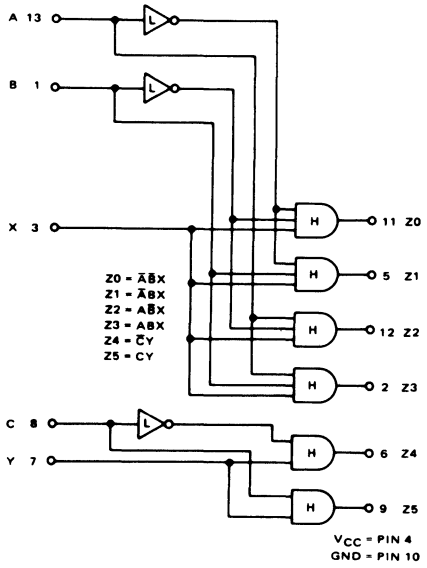
K15-299



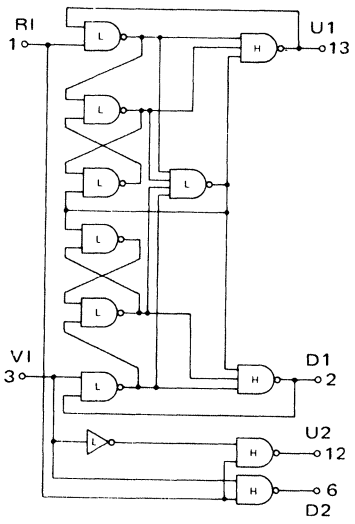
K15-300



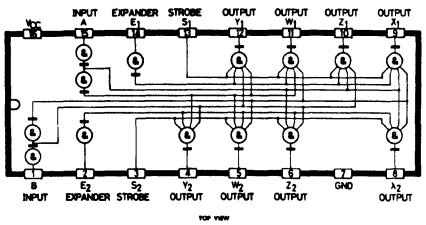
K15-312



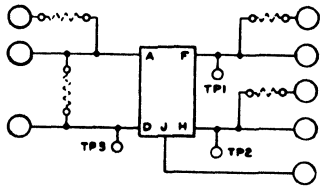
K15-316



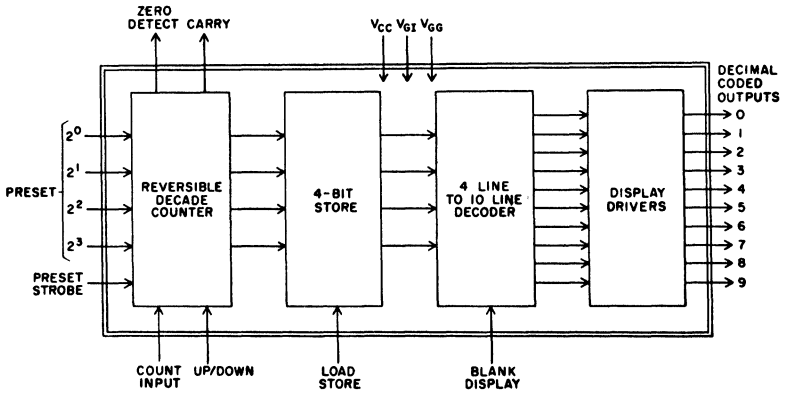
K15-330



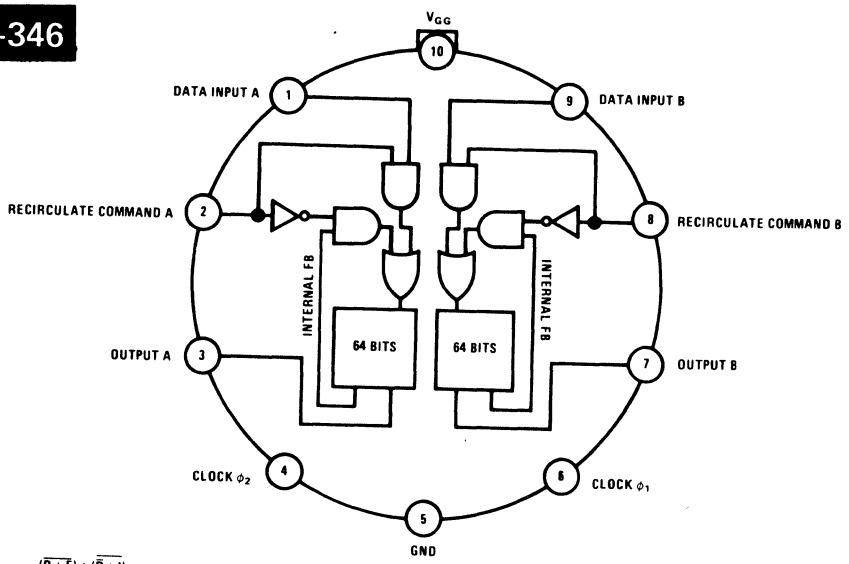
K15-337



K15-340



K15-346

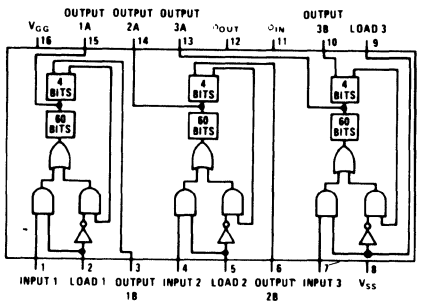


$(\overline{R+F})+(\overline{R+I})$

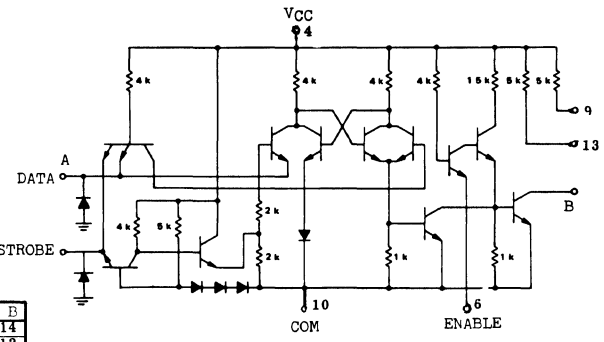
$(R+F)\ (\overline{R}+I)$

$F\overline{R}+RI+IF=IR+F\overline{R}$

K15-347



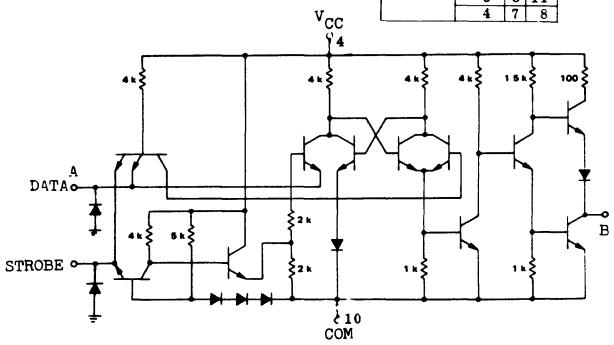
K15-351



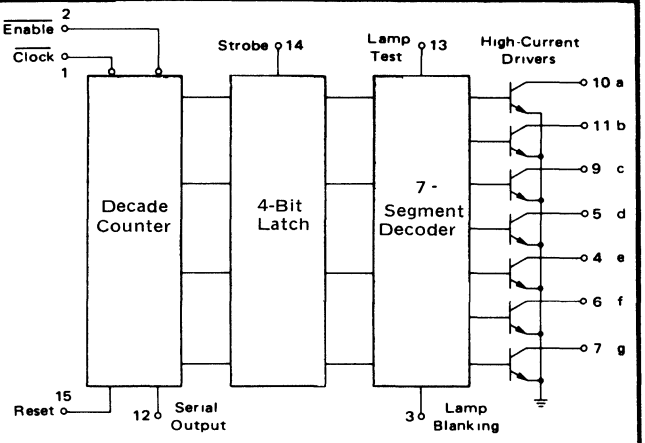
K15-351	CKT	A	B
	1	1	14
	2	3	12
	3	5	11
	4	7	8

K15-352

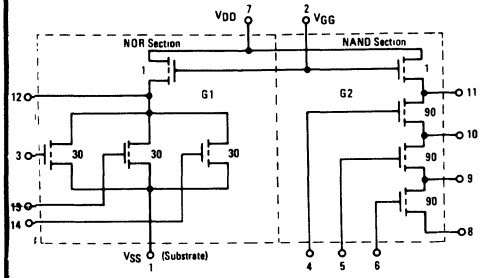
K15-352	CKT	A	B
	1	1	14
	2	3	12
	3	5	11
	4	7	8



K15-353

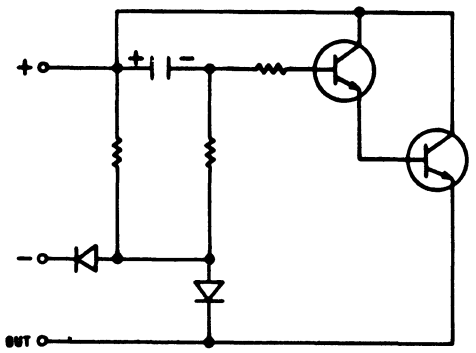


K15-359

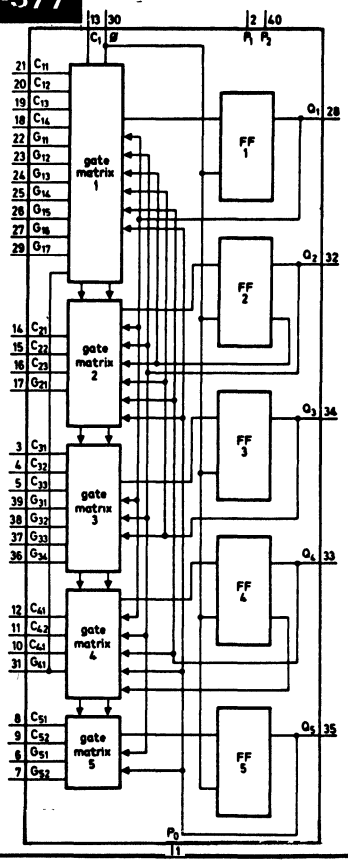


Numbers adjacent to MOS devices indicate the relative gain of each devic

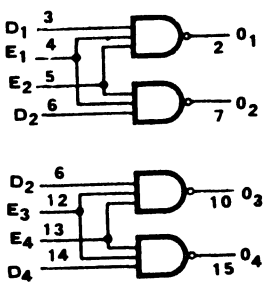
K15-363



K15-377

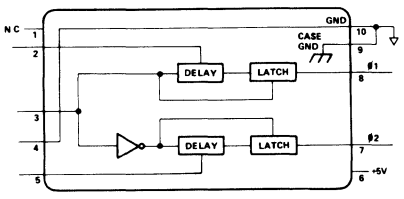


K15-382

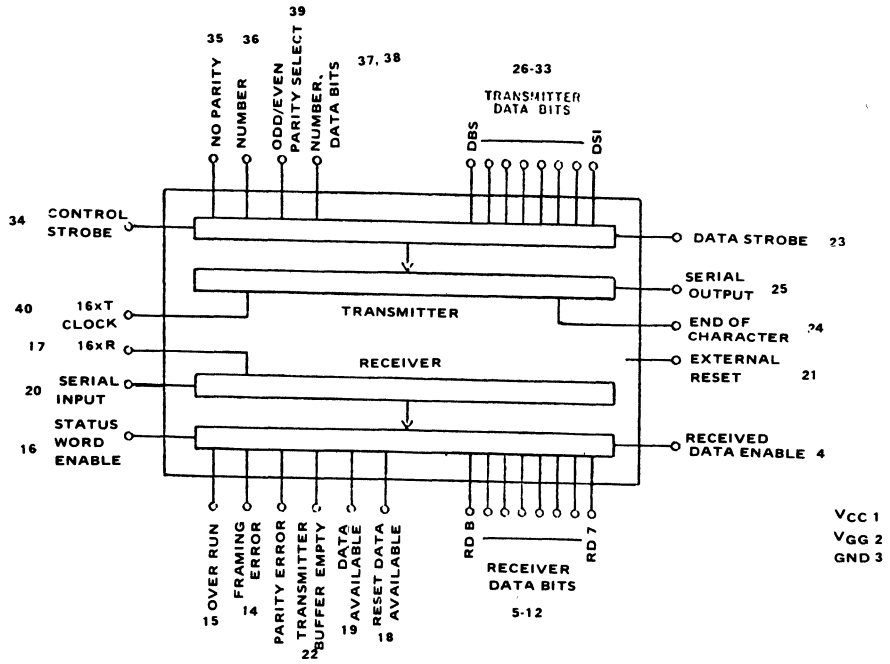


VSS 1
VCC 16
GND 8
VBB 9

K15-384

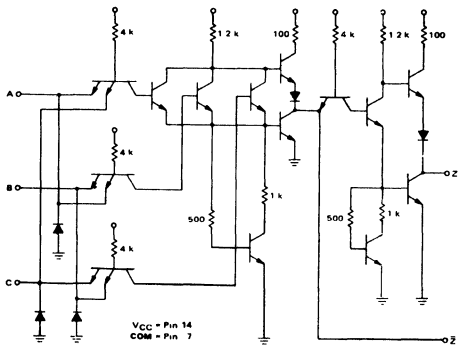


K15-385

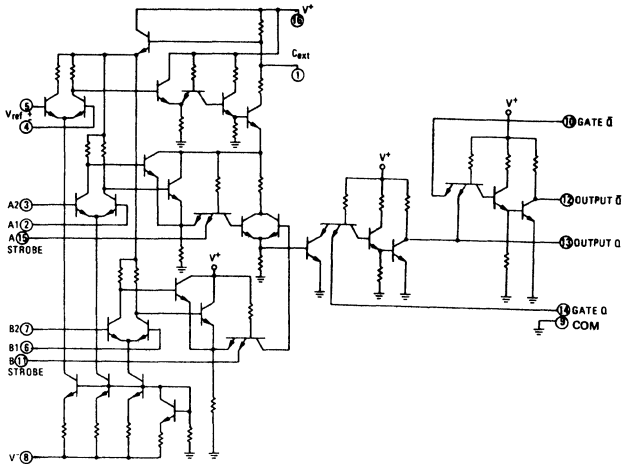


K15-389

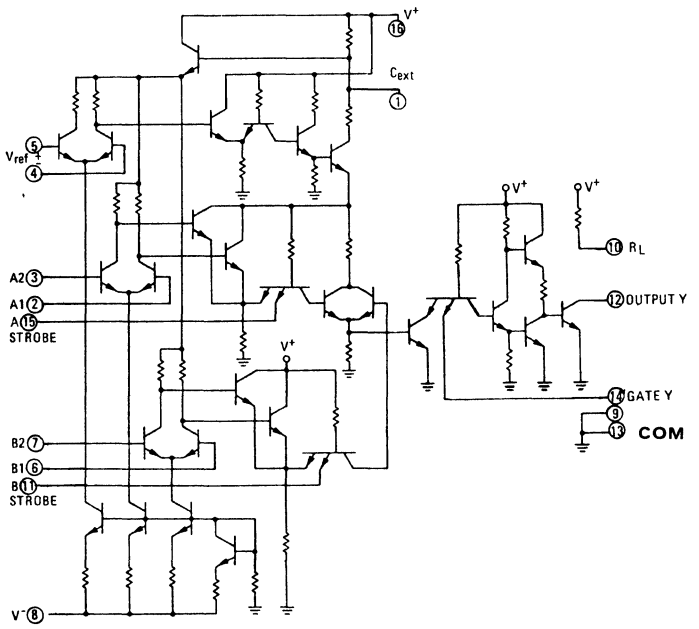
	CKT	A	B	C	Z	$\overline{Z}$
K15-389	1	1	2	3	5	4
	2	13	12	11	8	10



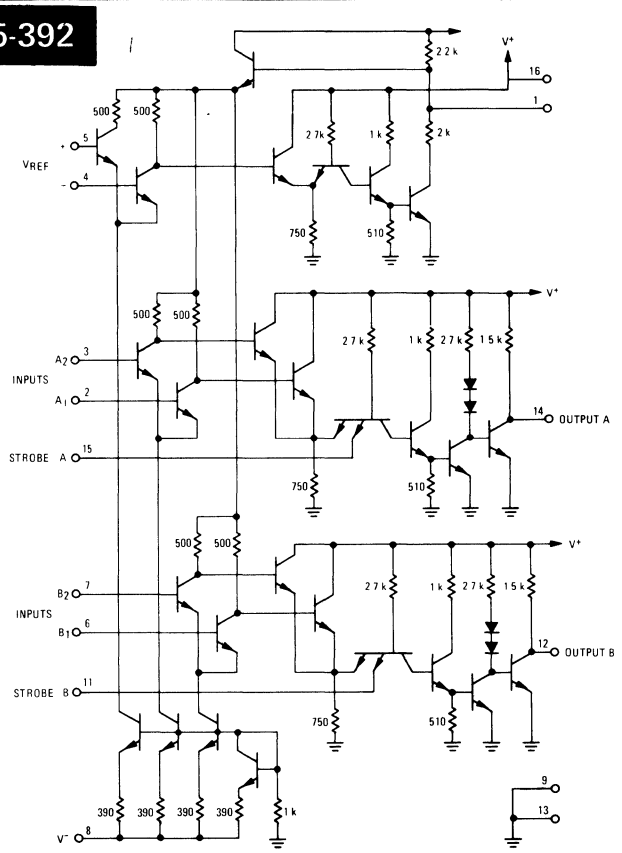
K15-390



K15-391



K15-392



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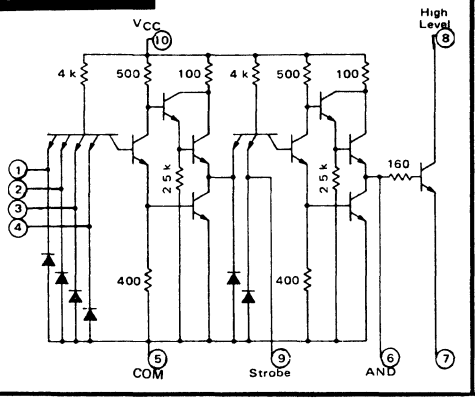

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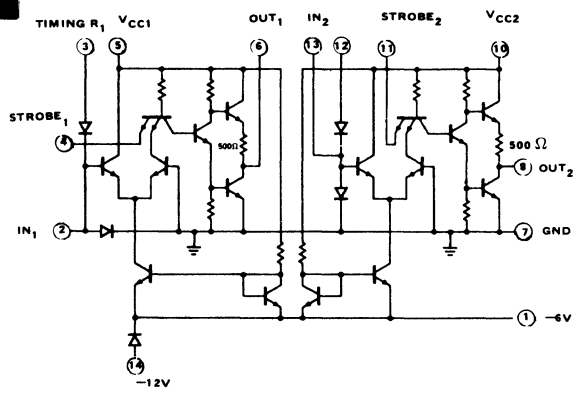
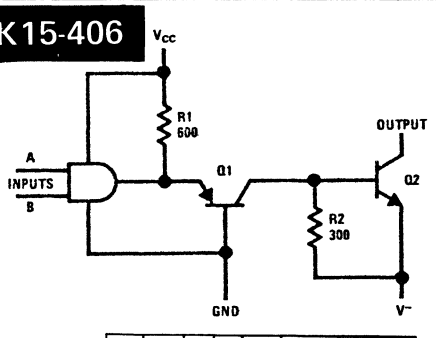
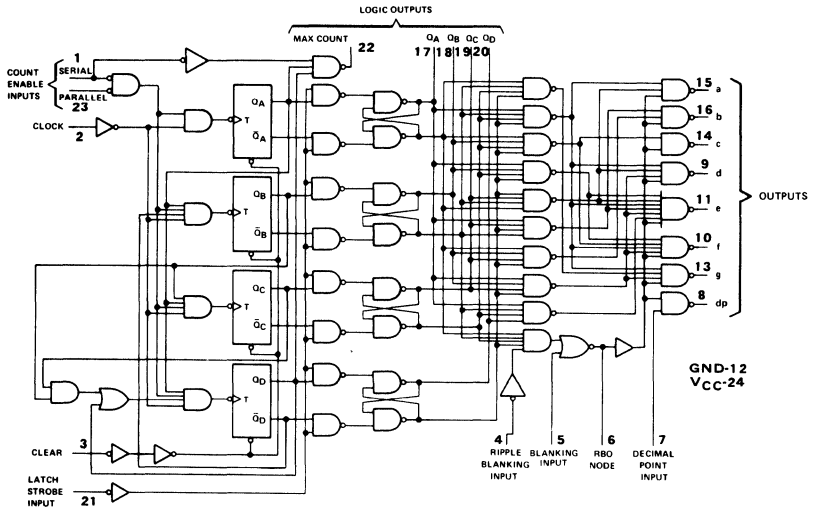


K15-406



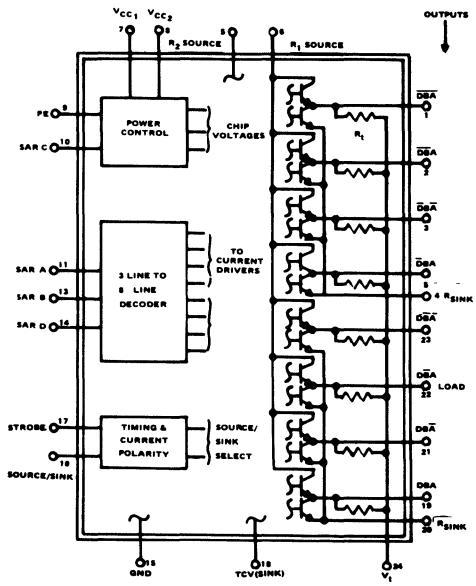
	PKG	CKT	A	B	V-	OUTP.	VCC	GND
K15-406	CN	1	1	2	4	3	10	5
		2	9	8	6	7		
	M	1	2	3	5	6	14	7
		2	13	12	10	9		

K15-420

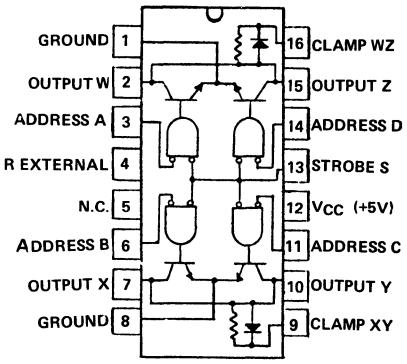


. . . Dynamic input activated by a transition from a high level to a low level

K15-422



K15-423



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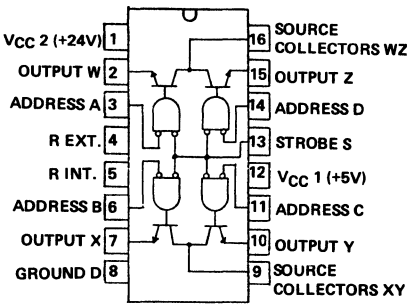

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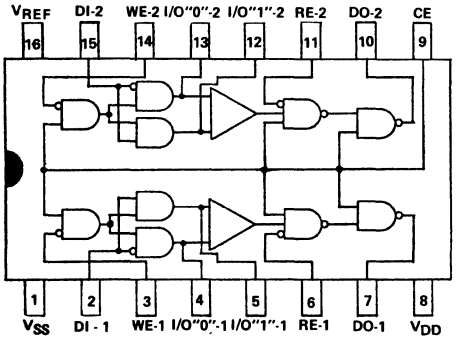

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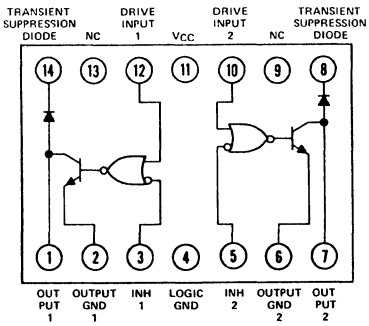
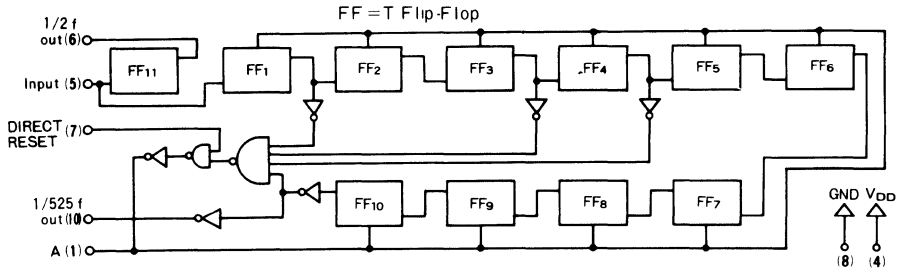
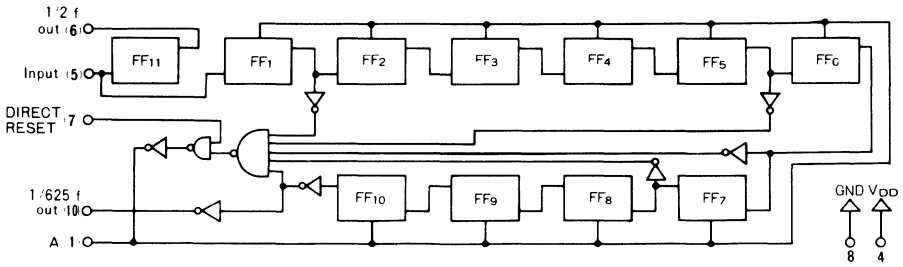
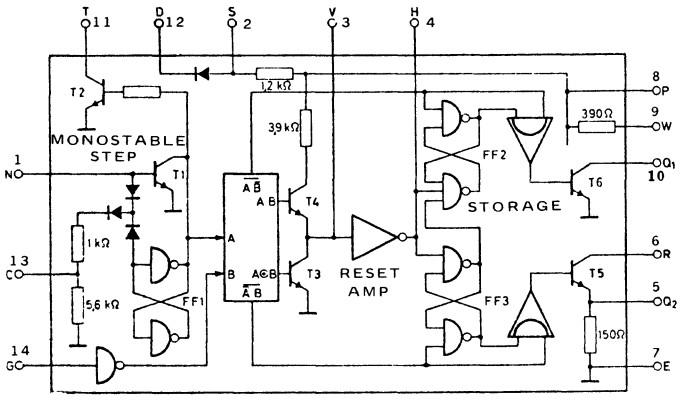


K15-429

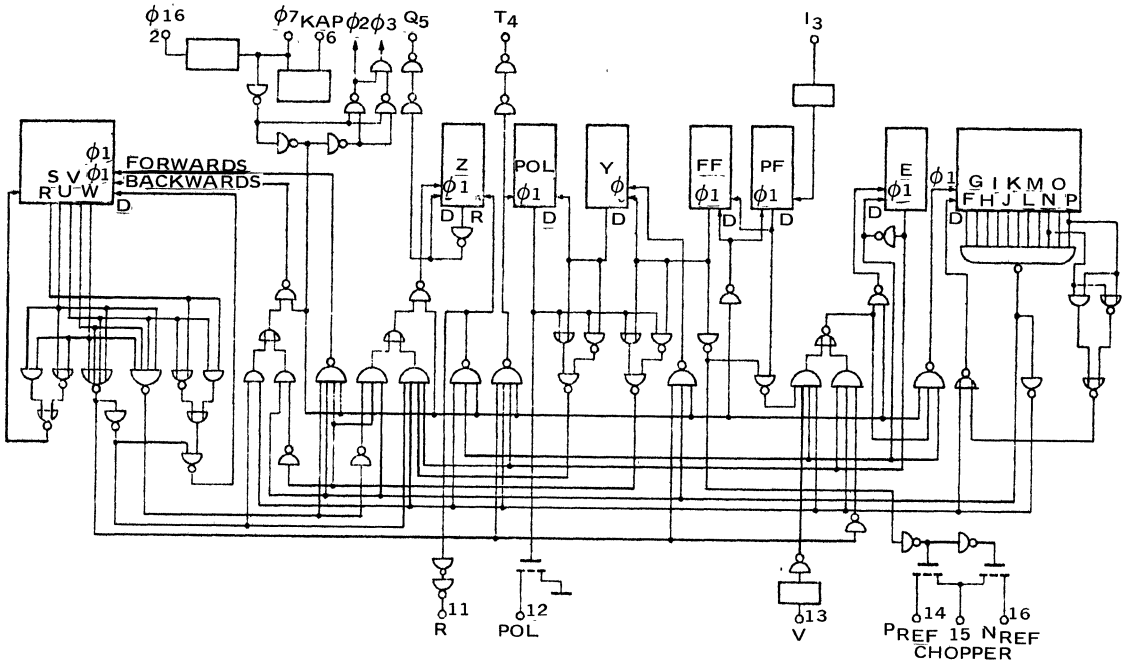


K15-430

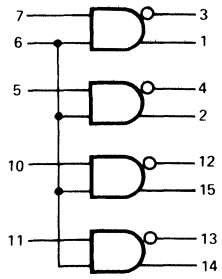




K15-436



K15-437



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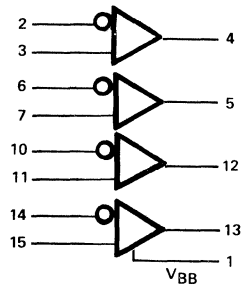

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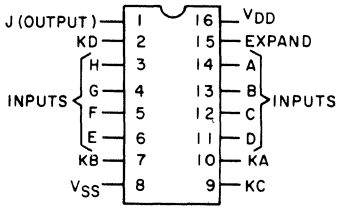

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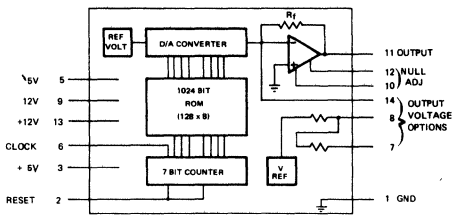
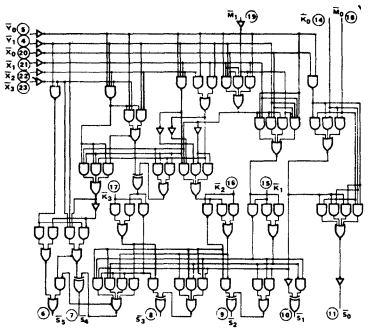
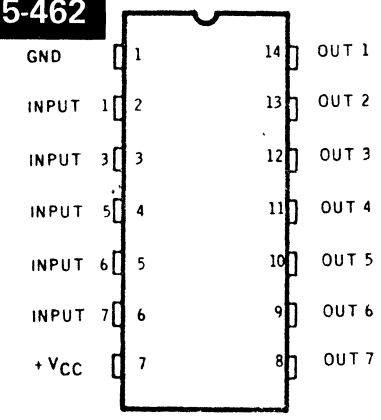


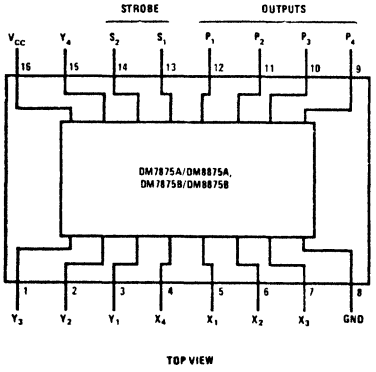
K15-448



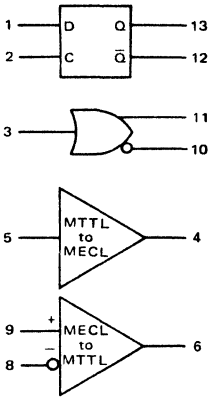
K15-462



K15-473



K15-493



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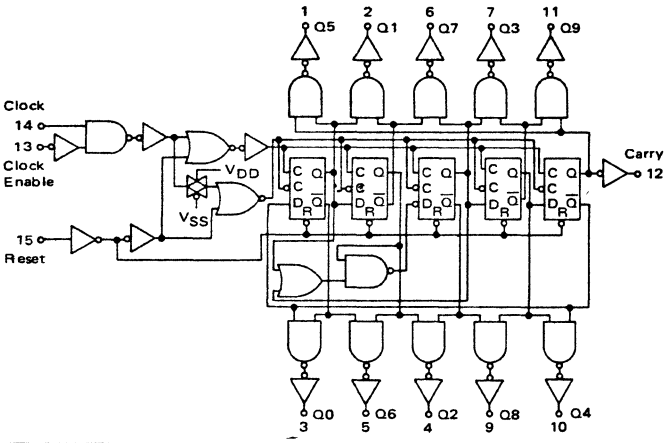

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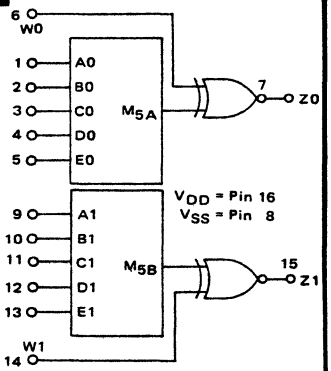

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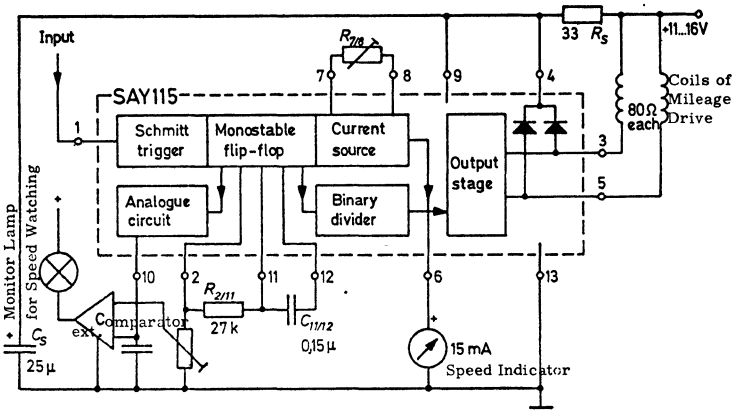

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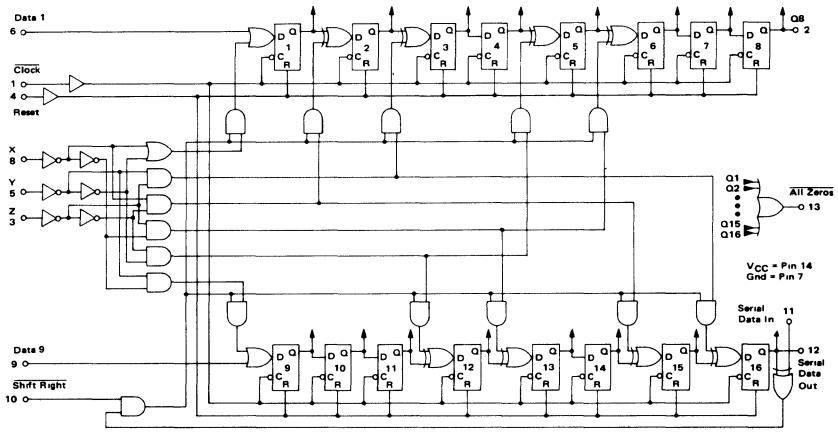

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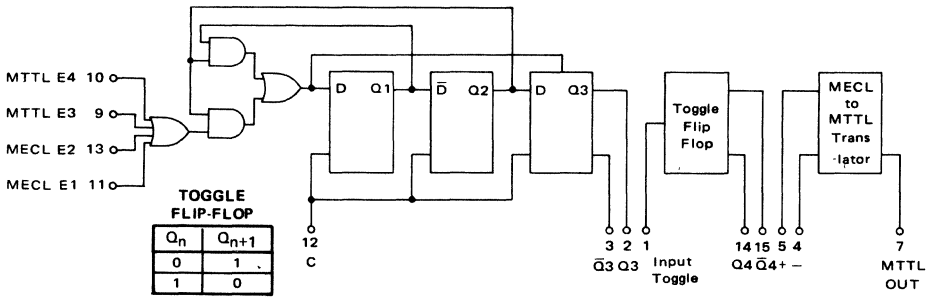
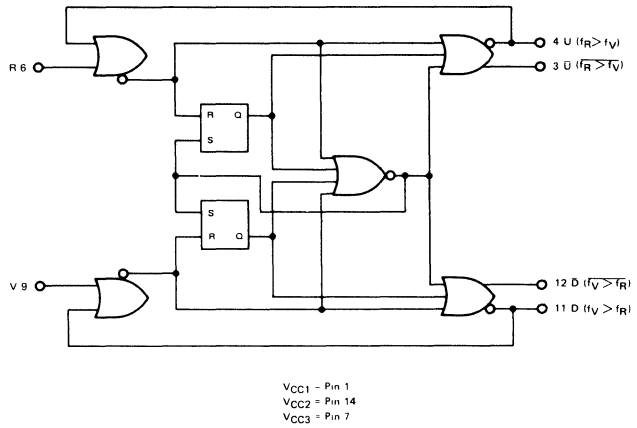


TOGGLE FLIP-FLOP

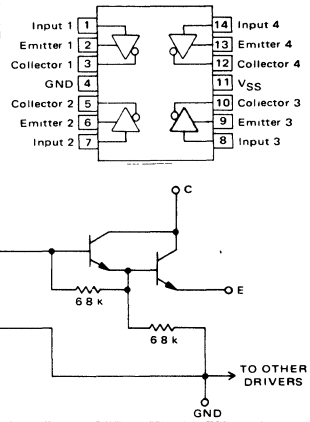
Q_n	Q_{n+1}
0	1
1	0

K15-520



V_{CC1} = Pin 1
V_{CC2} = Pin 14
V_{CC3} = Pin 7

K15-526



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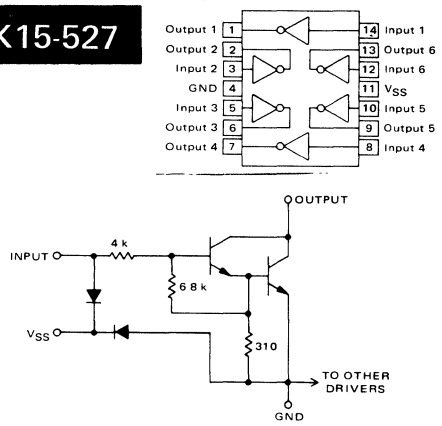

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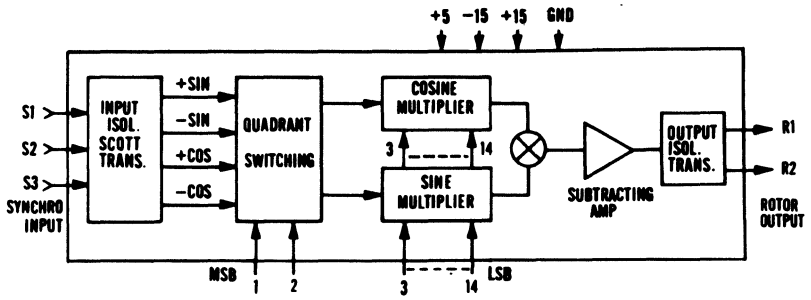

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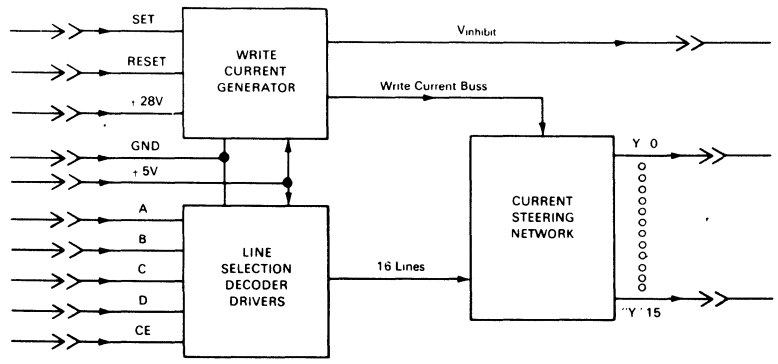
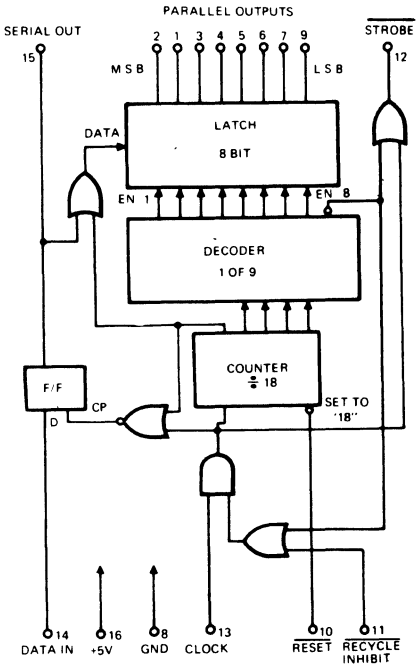


K15-539



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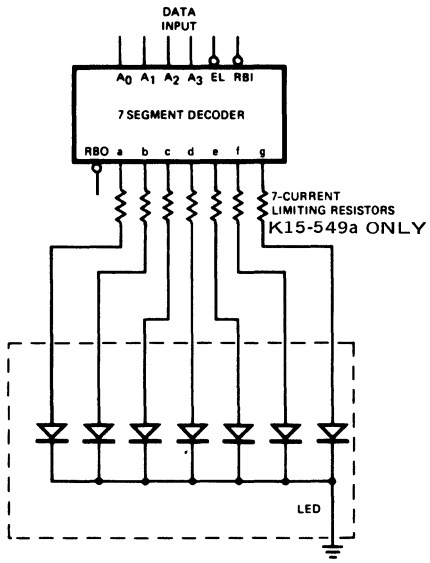

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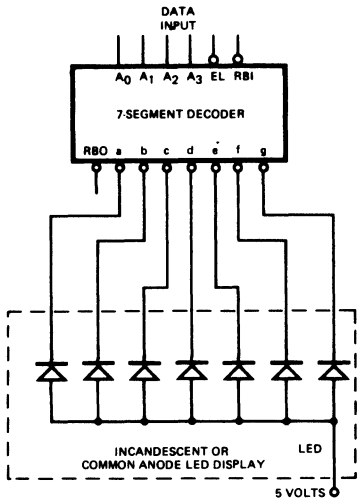
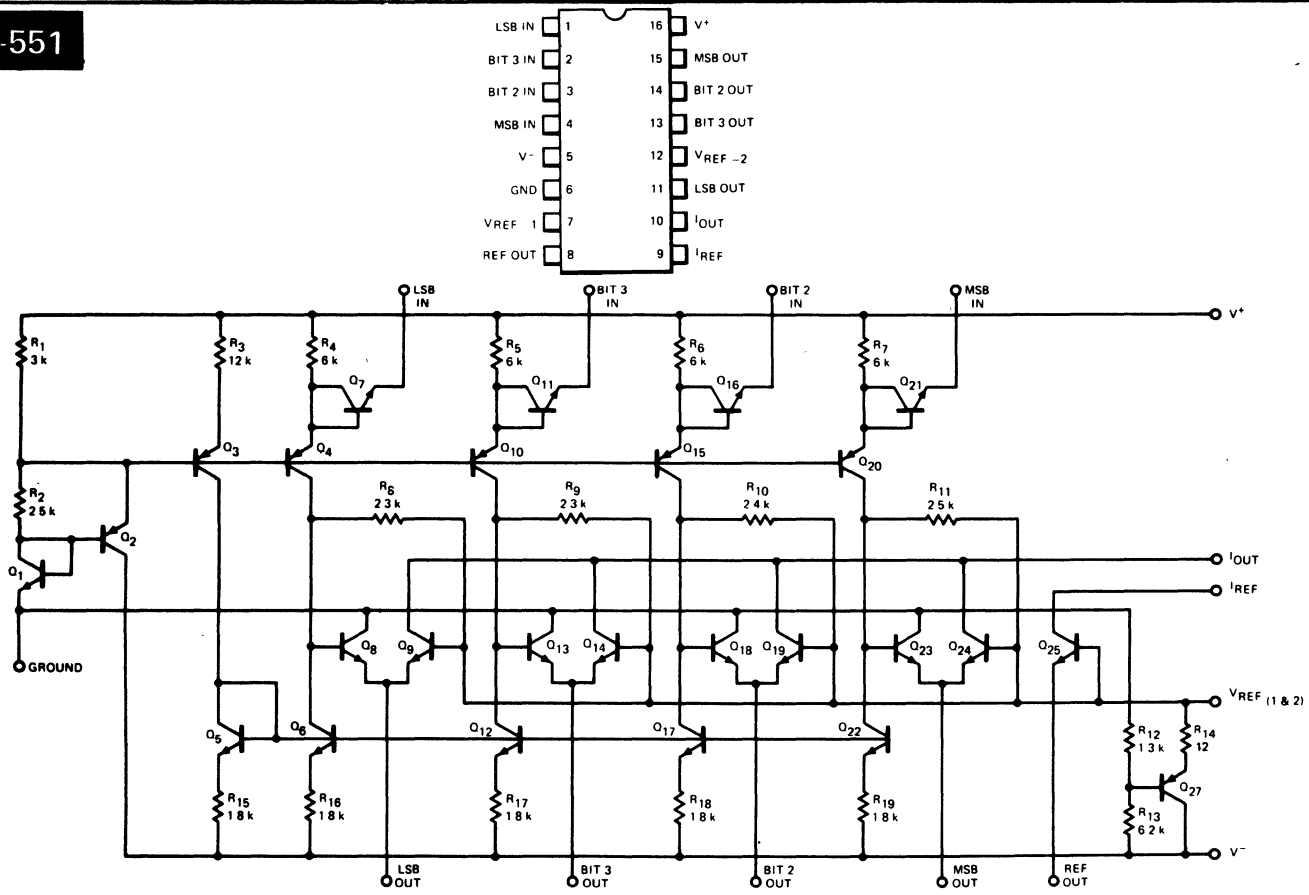


K15-551



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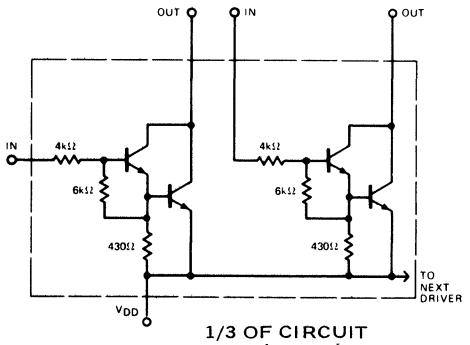
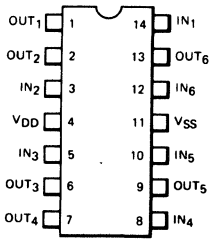
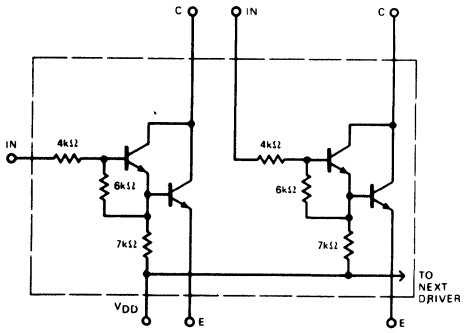


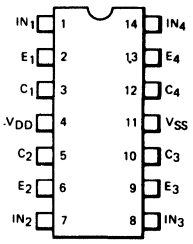
1/3 OF CIRCUIT



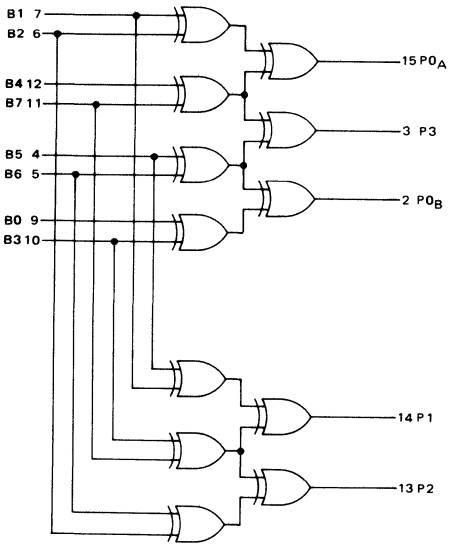
K15-553

1/2 OF CIRCUIT



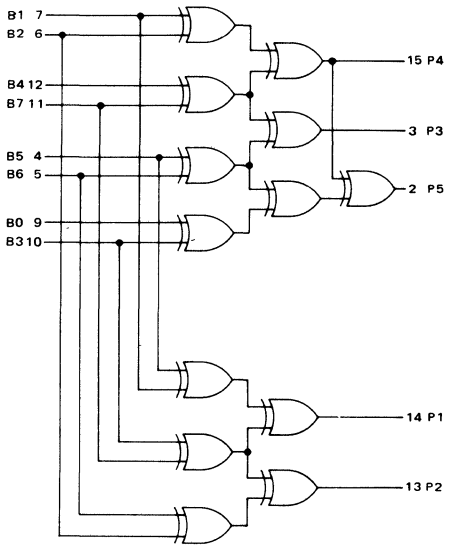


K15-556



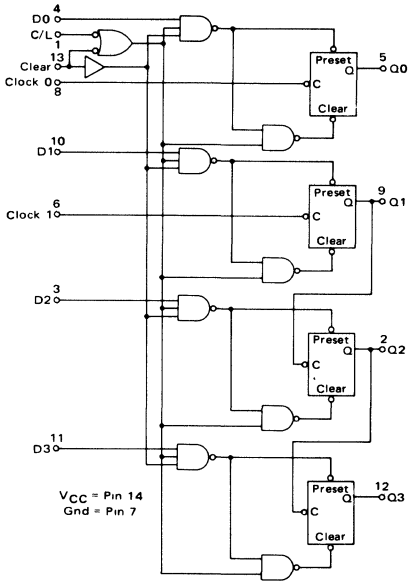
VCC1 = Pin 1
VCC2 = Pin 16
VEE = Pin 8

K15-557



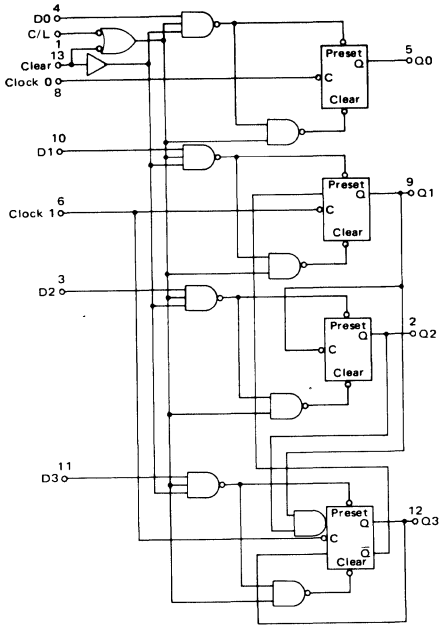
VCC1 = Pin 1
VCC2 = Pin 16
VEE = Pin 8

K15-558



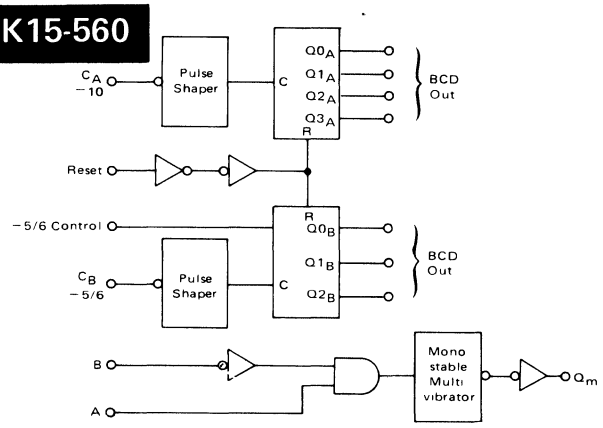
VCC = Pin 14
Gnd = Pin 7

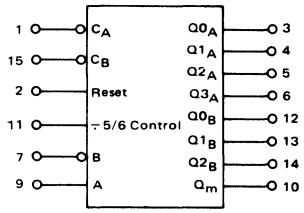
K15-559



V_{CC} = Pin 14
Gnd = Pin 7

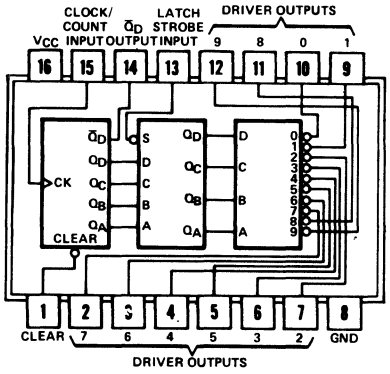
K15-560



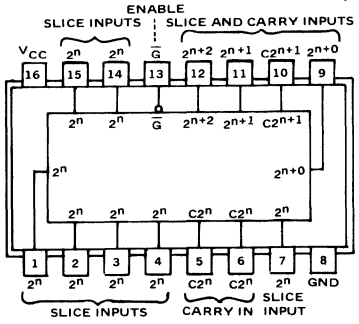


V_{DD} = Pin 16
V_{SS} = Pin 8

K15-562

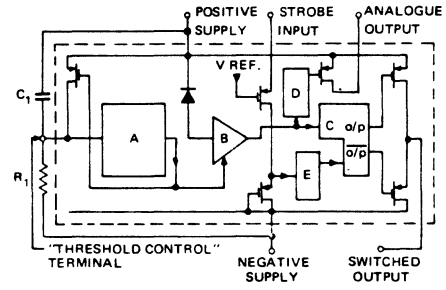


K15-563

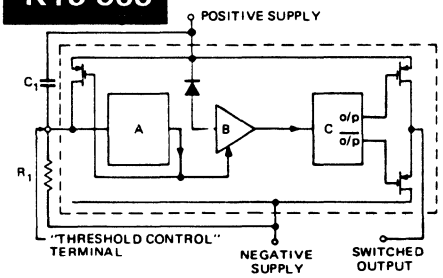


K15-564

Pin No	A1 and A0
1	–ve Supply
2	Threshold Control
3	Analogue Output
5	Strobe Input
6	Switched Output
7	+ve Supply



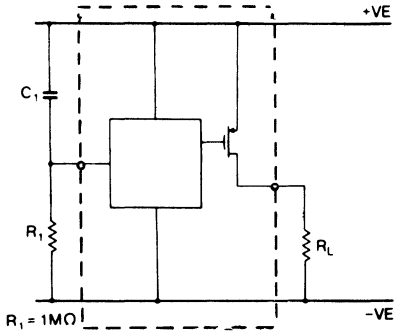
K15-565



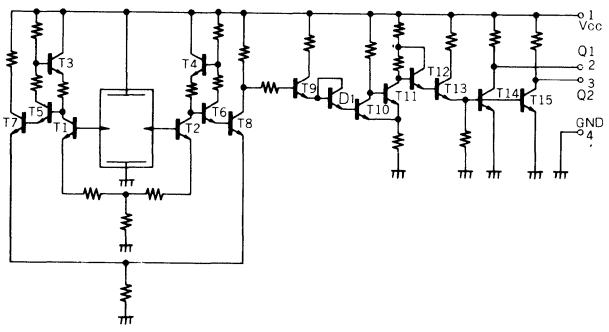
Pin No	A1	A0
1	Threshold Control	–ve Supply
2	Output	Threshold Control
3	+ve Supply	+ve Supply
4	–ve Supply	Output

K15-566

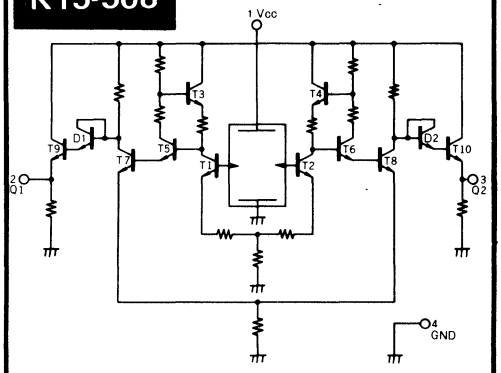
Pin 1 = RC Point Pin 2 = Output
Pin 3 = +ve Pin 4 = –ve



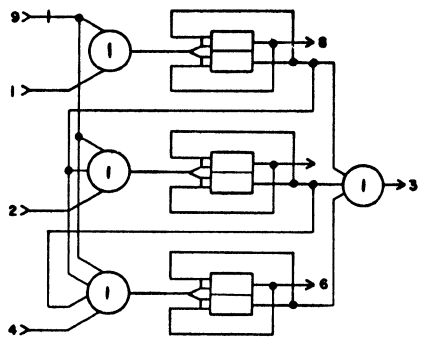
K15-567



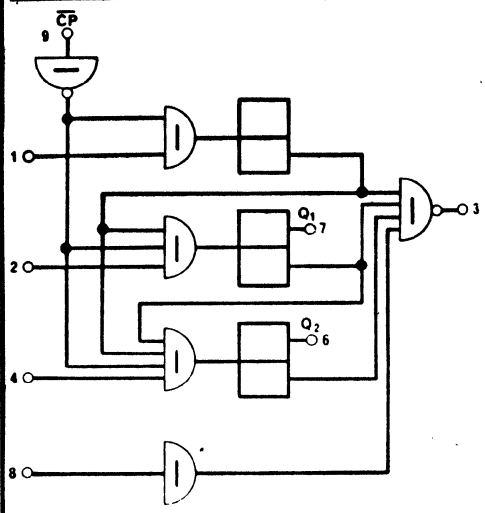
K15-568



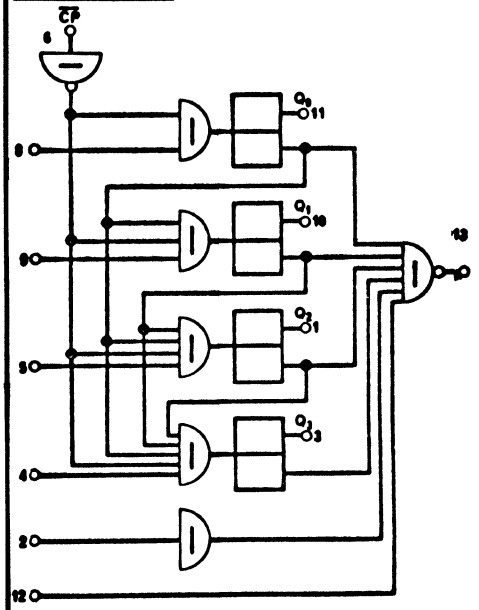
K16-2



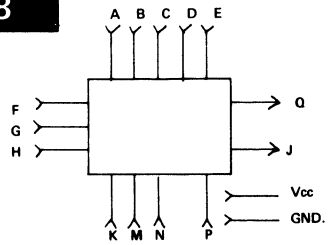
K16-6



K16-7

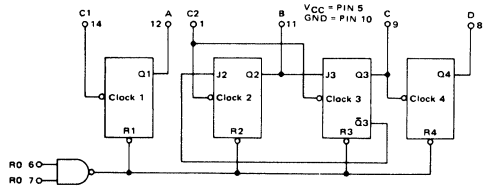


K16-8

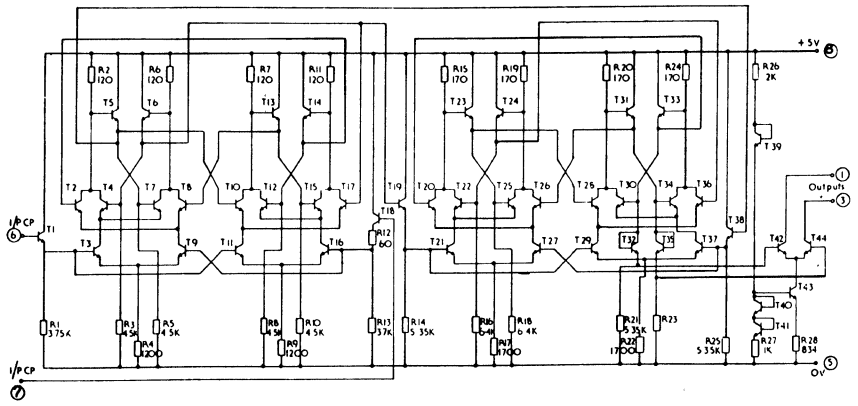


	CKT	P	Q	VCC	GND
K16-8	1	35	39	51	14,20,36,52
	2	19	23	51	14,20,36,52
	3	3	7	51	14,20,36,52
K16-8a	1	46	39	51	1,52
	2	28	21	51	1,52
	3	12	5	51	1,52

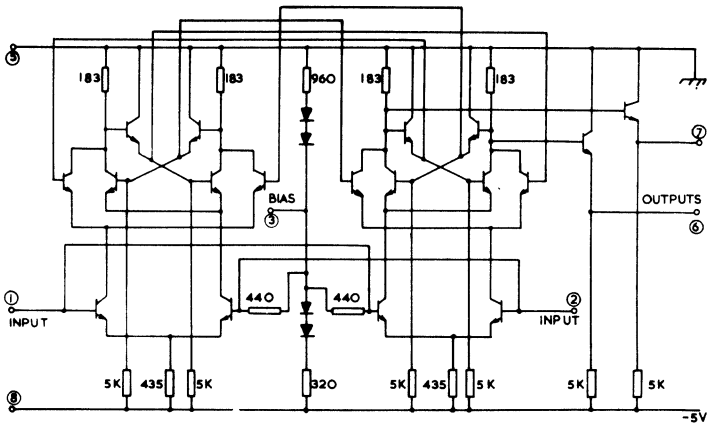
K16-9



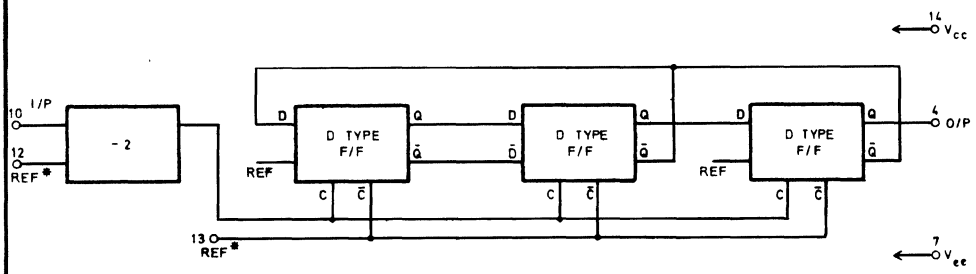
K16-11



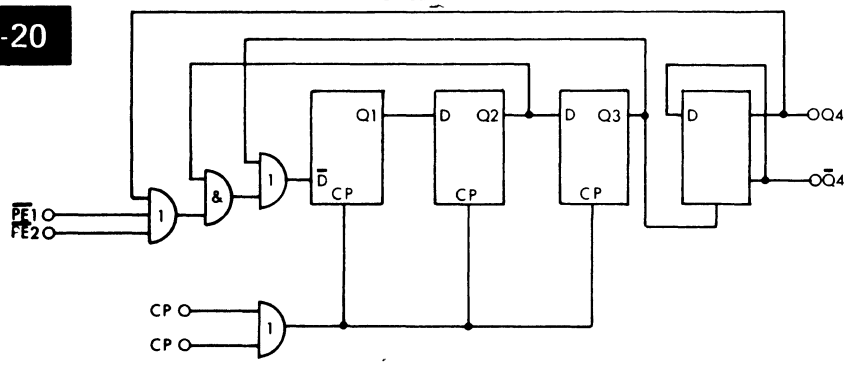
K16-12



K16-18

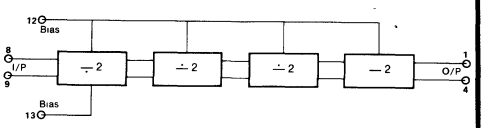


K16-20

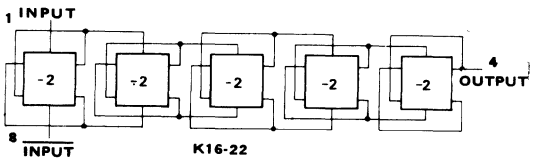


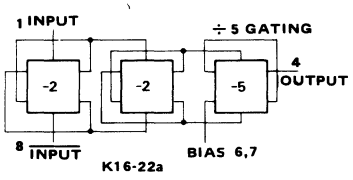
	PIN NUMBER															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
K16-20	CP	PE1	PE2		VCC			Q4	Q4			VEE				CP
K16-20a	CP	PE1	PE2		VCC			Q4	Q4		TTL O/P		VEE			CP

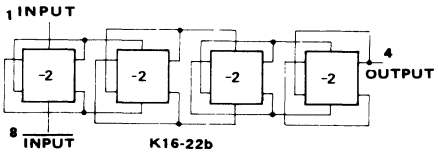
K16-21



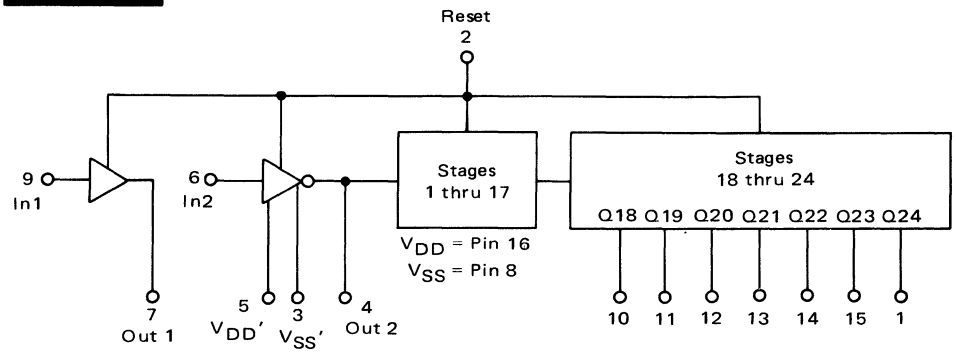
K16-22



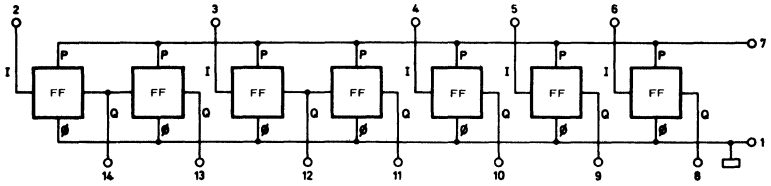




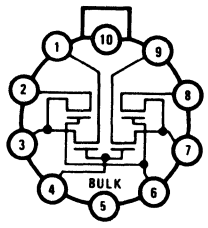
K16-23



K16-24

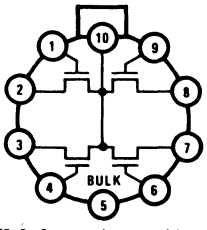


K17-2



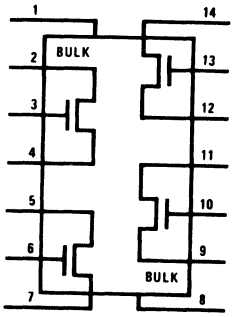
NOTE Pin 5 connected to case and device bulk

K17-3



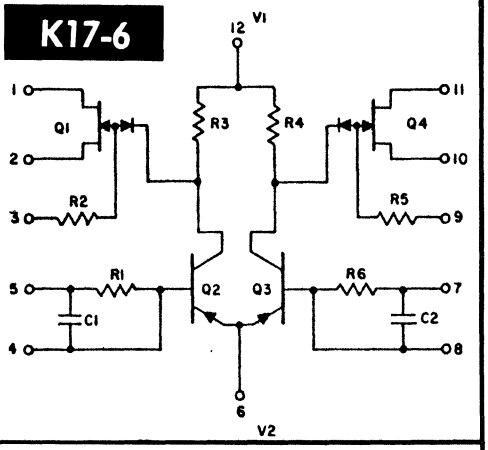
NOTE Pin 5 connected to case and device bulk.

K17-4

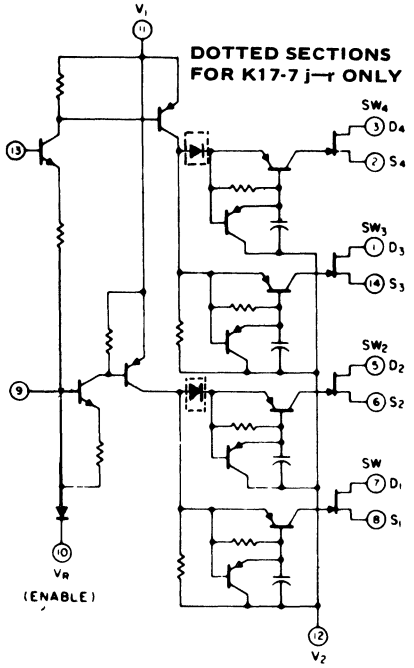


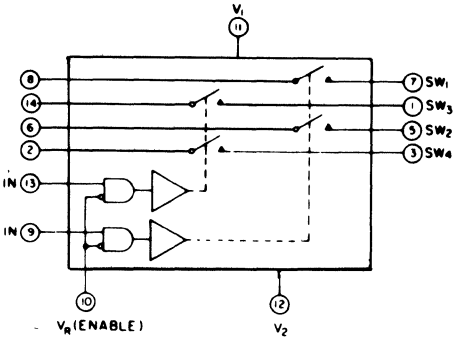
NOTE Pins 1 and 8 connected to case and device bulk.

K17-6



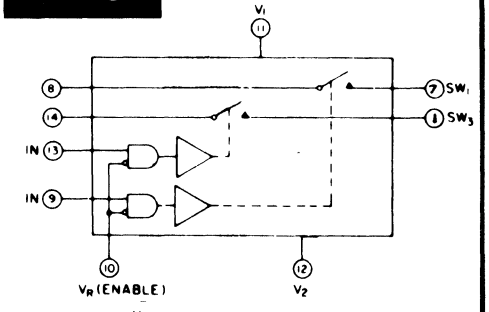
K17-7

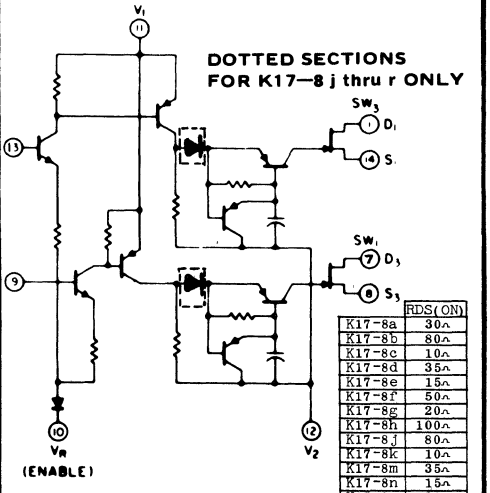




	RDS(ON)
K17-7a	80Ω
K17-7b	30Ω
K17-7c	10Ω
K17-7d	35Ω
K17-7e	15Ω
K17-7f	50Ω
K17-7g	20Ω
K17-7h	100Ω
K17-7j	80Ω
K17-7k	10Ω
K17-7m	35Ω
K17-7n	15Ω
K17-7p	20Ω
K17-7q	50Ω
K17-7r	100Ω

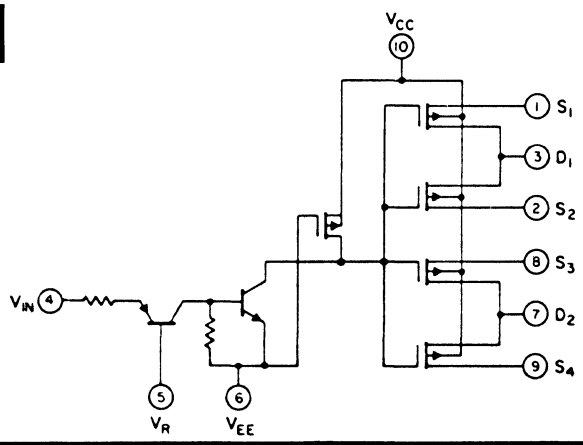
K17-8



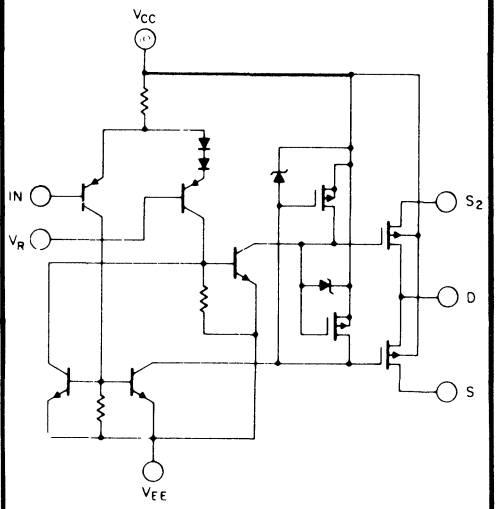


	RDS(ON)
K17-8a	30Ω
K17-8b	80Ω
K17-8c	10Ω
K17-8d	35Ω
K17-8e	15Ω
K17-8f	50Ω
K17-8g	20Ω
K17-8h	100Ω
K17-8j	80Ω
K17-8k	10Ω
K17-8m	35Ω
K17-8n	15Ω
K17-8p	20Ω
K17-8q	50Ω
K17-8r	100Ω

K17-9

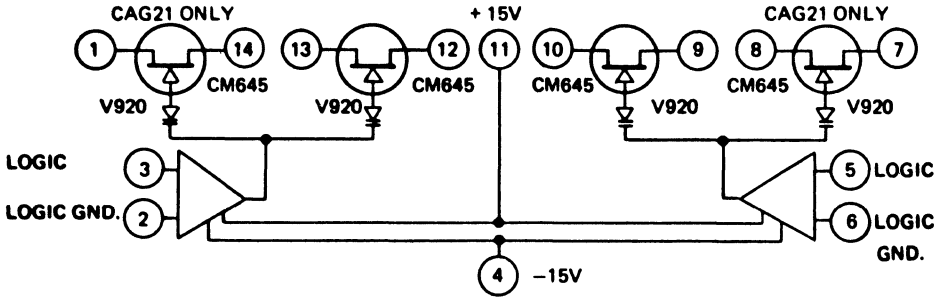


K17-10



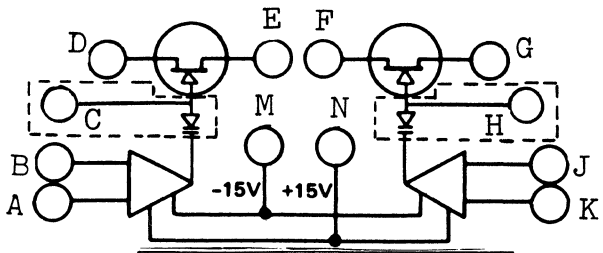
	IN	S1	S2	D	VR	VCC	VEE
K17-10	2	6	8	7	1	10	5
K17-10a	4	7	9	8	5	10	6
K17-10b	13	5	10	9	2	12	3

K17-12



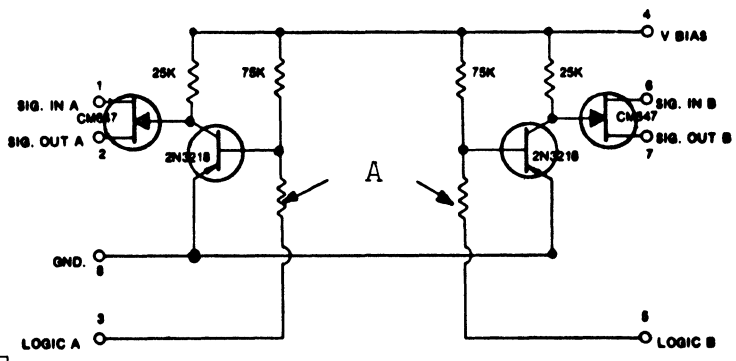
K17-14

NOTE: DOTTED PORTIONS OMITTED ON A AND B



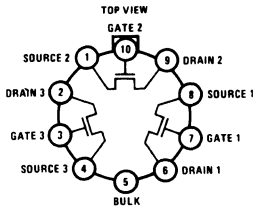
	PKG	A	B	C	D	E	F	G	H	J	K	M	N
K17-14	TO	3	4		2	1	9	8		6	7	5	10
	FP	2	3	14	13	12	10	9	8	5	6	5	10
K17-14a		3	4		2	1	9	8		6	7	10	5
K17-14b	TO	5	6		3	4	11	12		9	10	14	7

K17-15

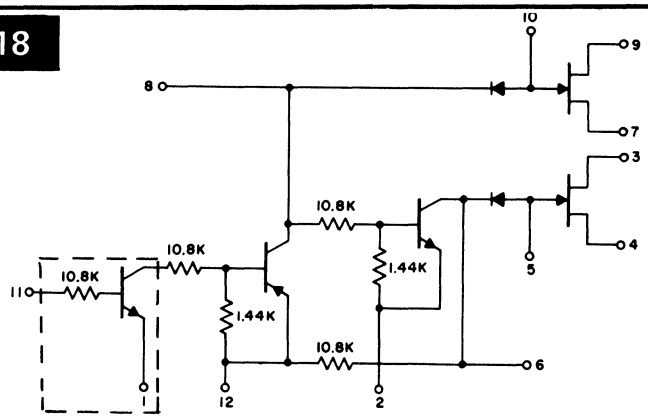


	A
K17-15	18.75K
K17-15a	12.0K

K17-16

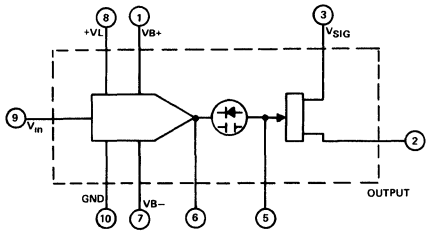


K17-18

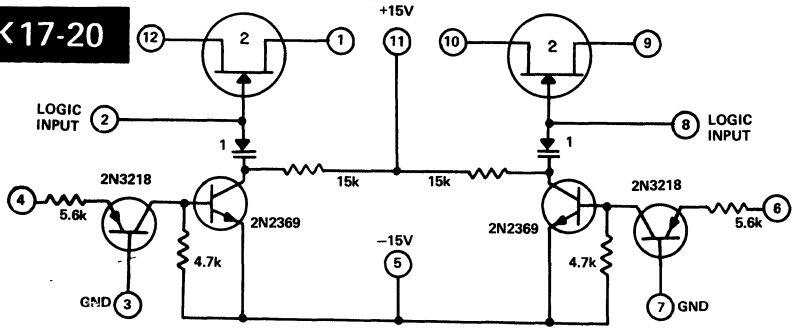


OMIT FOR K17-18a TYPES

K17-19

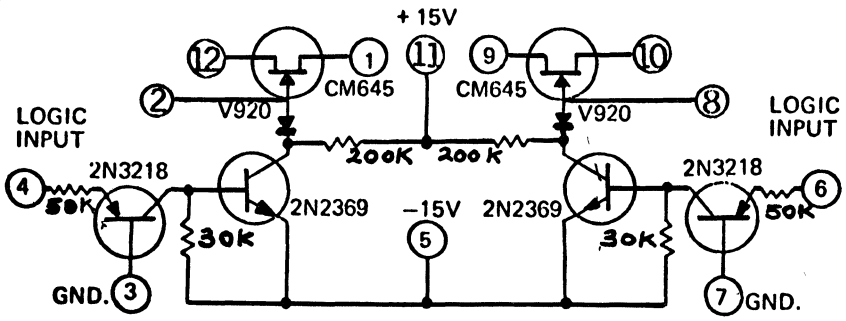


K17-20

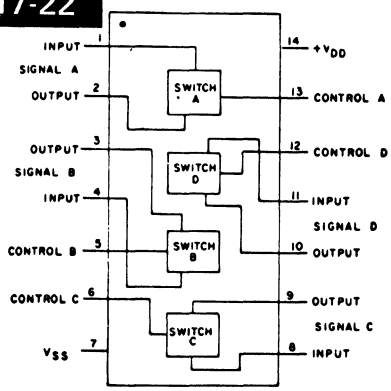


	1	2
K17-20	V947	2N4445
K17-20a	V920	CM645

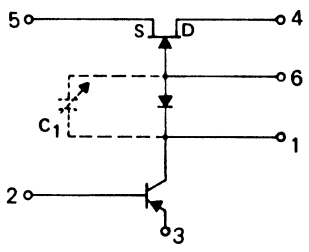
K17-21



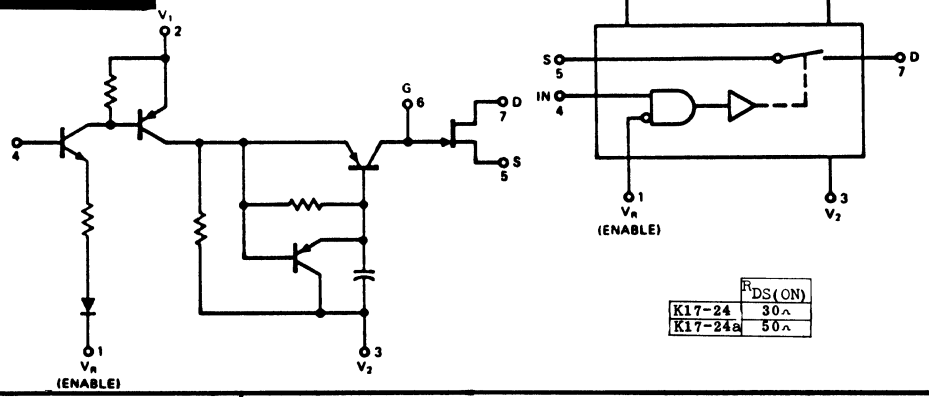
K17-22



K17-23

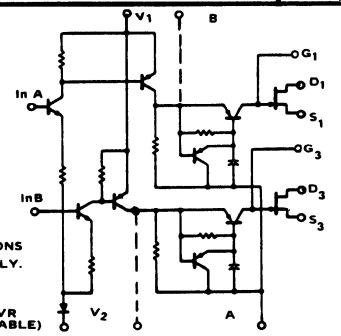


K17-24



	$R_{DS(ON)}$
K17-24	30Ω
K17-24a	50Ω

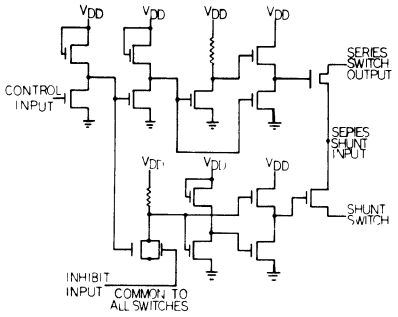
K17-27



NOTE: DOTTED SECTIONS FOR K17-27b, c, & d ONLY.

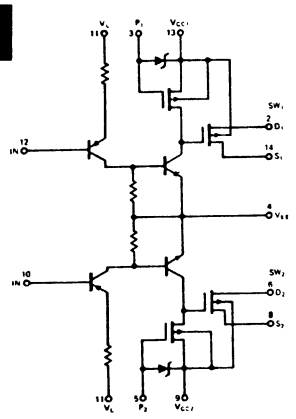
	InA	InB	VR	A	V2	S3	D3	G3	S1	D1	G1	B	V1	RDS(ON)
K17-27	13	9	10		12	8	7	5	14	1	3		11	30Ω
K17-27a	13	9	10		12	8	7	5	14	1	3		11	50Ω
K17-27b	13	9	10	7	12	5	6	8	2	3	14	1	11	10Ω
K17-27c	13	9	10	7	12	5	6	8	2	3	14	1	11	30Ω
K17-27d	13	9	10	7	12	5	6	8	2	3	14	1	11	80Ω

K17-28

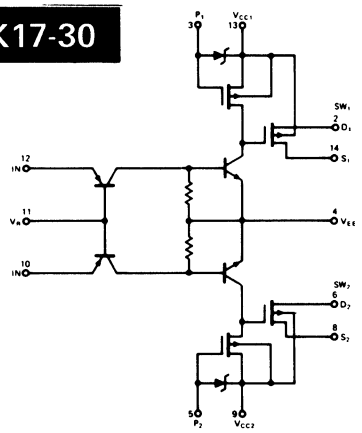


	CKT	CONTROL	INPUT	OUTPUT	SWITCH RETURN	INHIBIT	VDD	GND	SUB.
K17-28	1	13	17	16	22	10	12	11	1
	2	9	7	8	2				
	3	3	5	4	6				
	4	21	19	20	18				

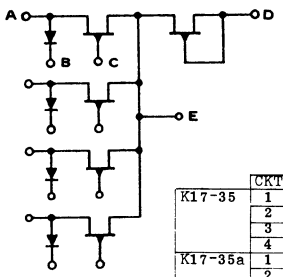
K17-29



K17-30

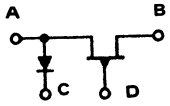


K17-35



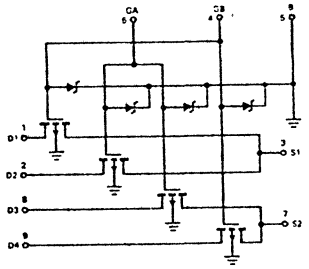
	CKT	A	B	C	D	E
K17-35	1	2	3	1	4	11
	2	6	5	7		
	3	9	10	8		
	4	13	12	14		
K17-35a	1	2	3	1	4	11
	2	6	5	7		
	3	9	10	8		
K17-35b	1	2	3	1	4	5
	2	7	6	8		
K17-35c	1	2	3	1	4	5

K17-36

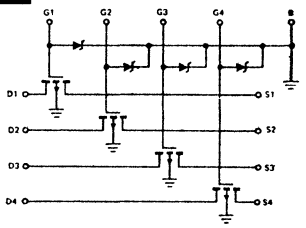


	CKT	A	B	C	D
K17-36	1	3	1	4	2
	2	6	8	5	7
	3	11	9	12	10
	4	14	16	13	15
K17-36a	1	3	1	4	2
	2	6	8	5	7
	3	11	9	12	10
K17-36b	1	3	1	4	2
	2	6	8	5	7
K17-36c	1	3	1	4	2

K17-37

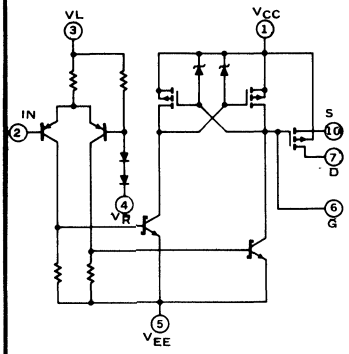


K17-38

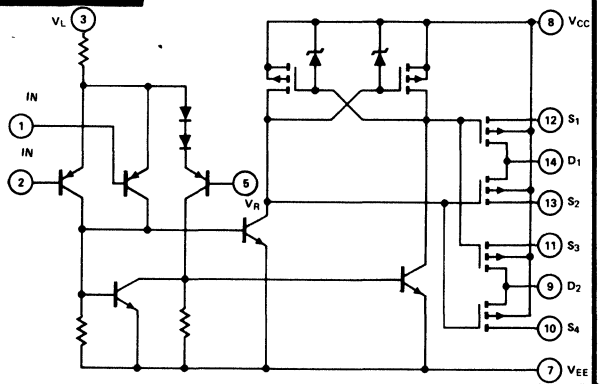


	CKT	D	G	S	B
K17-38	1	2	3	4	1,8
	2	5	6	7	
	3	9	10	11	
	4	12	13	14	
K17-38a	1	6	7	8	5
	2	9	10	1	
	3	3	3	4	

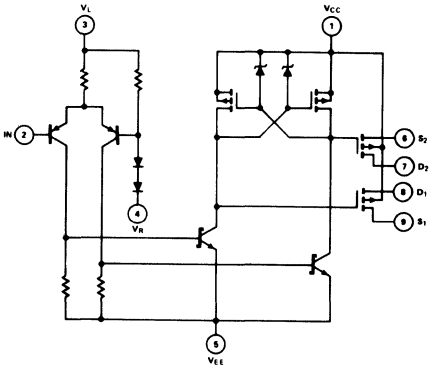
K17-39



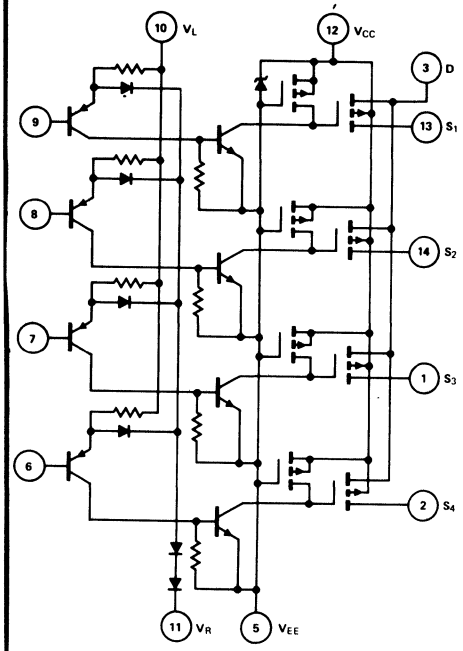
K17-41



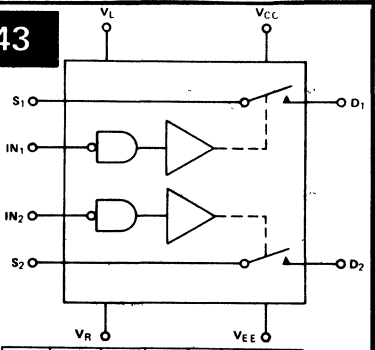
K17-42



K17-40

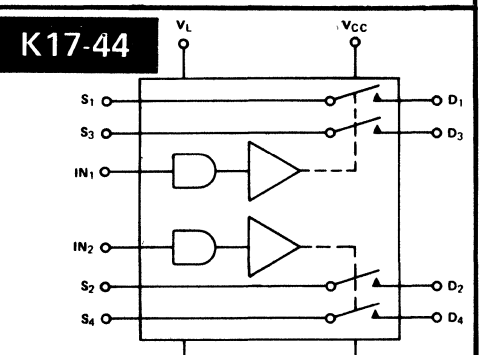


K17-43



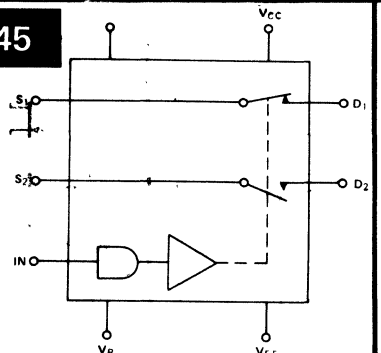
	PKG	IN		D		S		VCC	VEE	VL	VR
		1	2	1	2	1	2				
K17-43	FP,CN	3	8	2	9	1	10	4	7	5	6
K17-43a	FP	13	8	1	7	14	6	9	12	10	11
K17-43b	FP	13	8	3	5	2	4	9	12	10	11
K17-43c	M	15	10	3	6	4	5	11	14	12	13
K17-43d	M	15	10	1	8	16	9	11	14	12	13

K17-44



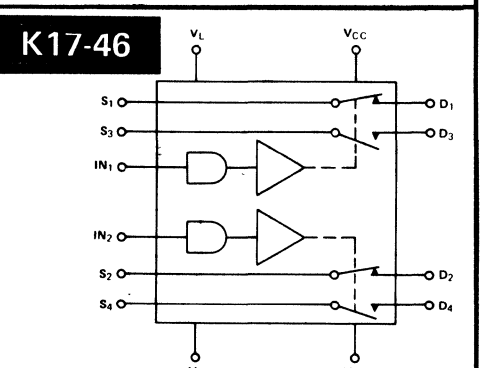
	PKG	IN		D				S				VCC	VEE	VL	VR
		1	2	1	2	3	4	1	2	3	4				
K17-44	FP,M	15	10	1	8	3	6	16	9	4	5	11	14	12	13
K17-44a	FP	13	8	1	6	3	4	14	7	2	5	9	12	10	11

K17-45



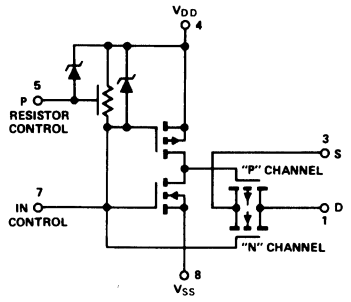
	PKG	IN	D		S		VCC	VEE	VL	VR
			1	2	1	2				
K17-45	FP	3	1	10	2	9	4	7	5	6
K17-45a	FP	13	14	3	1	2	9	12	10	11
K17-45b	M	15	1	3	16	4	11	14	12	13
K17-45c	CN	3	2	9	1	10	4	7	5	6

K17-46

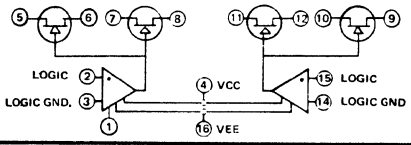


	PKG	IN		D				S				VCC	VEE	VL	VR
		1	2	1	2	3	4	1	2	3	4				
K17-46	FP,M	15	10	1	8	3	6	16	9	4	5	11	14	12	13
K17-46a	FP	13	8	1	7	3	4	14	6	2	5	9	12	10	11

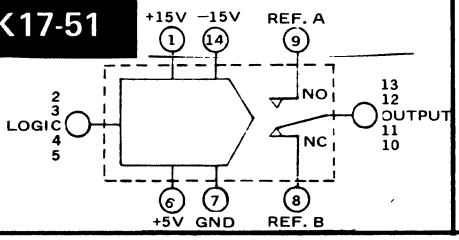
K17-49



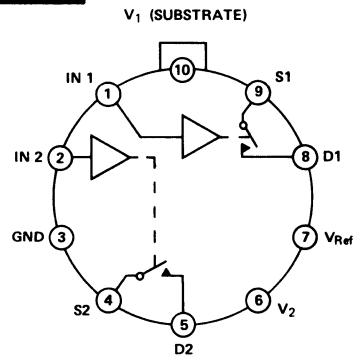
K17-50



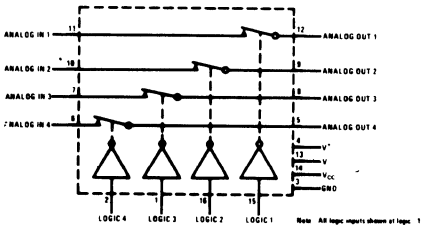
K17-51



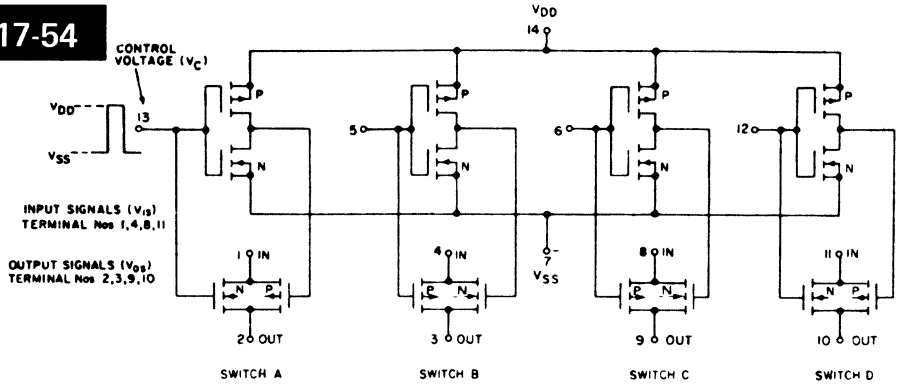
K17-52



K17-53

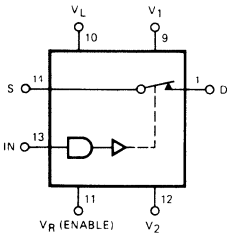


K17-54



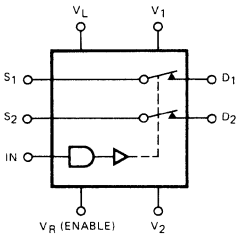
NOTE All switch P channel substrates are internally connected to terminal No 14
All switch N channel substrates are internally connected to terminal No 7

K17-55



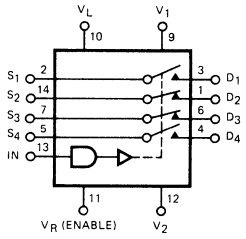
	PKG	IN	D	S	V 1	V 2	VL	VR
K17-55	FP	13	1	14	9	12	10	11
K17-55a	M	15	1	16	11	14	12	13

K17-56



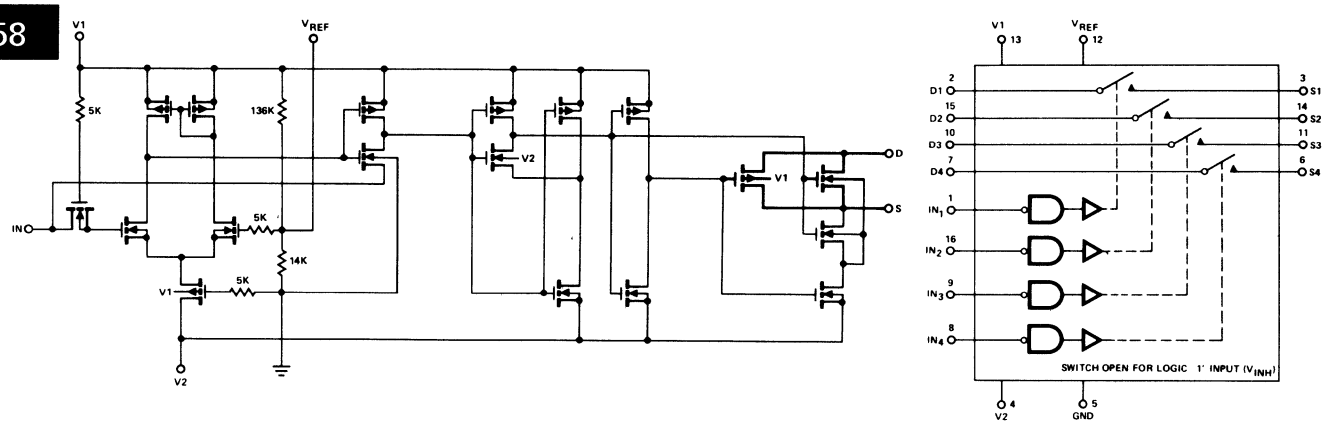
	PKG	IN	D 1	D 2	S 1	S 2	V 1	V 2	VL	VR
K17-56	FP	13	14	3	1	2	9	12	10	11
K17-56a	M	15	1	3	16	4	11	12	12	13
K17-56b	CN	3	2	9	1	10	4	7	5	6

K17-57

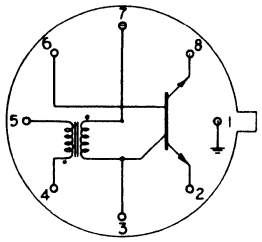


	PKG	IN	D 1	D 2	D 3	D 4	S 1	S 2	S 3	S 4	V 1	V 2	VL	VR
K17-57	FP	13	3	1	6	4	2	14	7	5	9	12	10	11
K17-57a	M	15	3	1	8	6	4	16	9	5	11	14	12	13

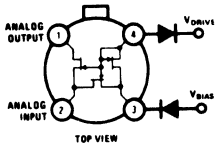
K17-58



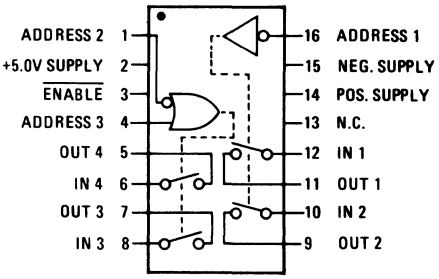
K17-59



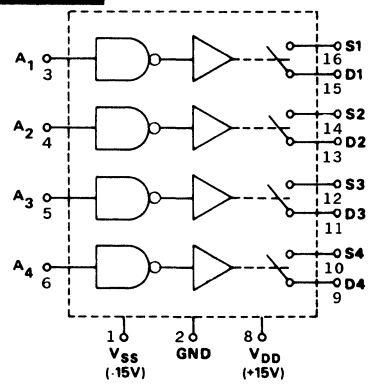
K17-60



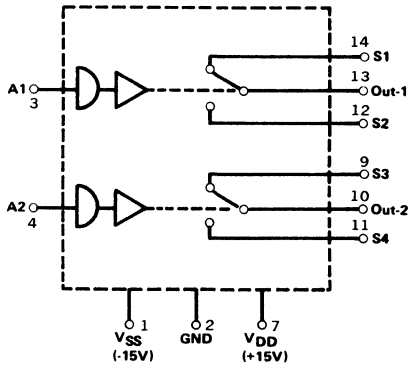
K17-61



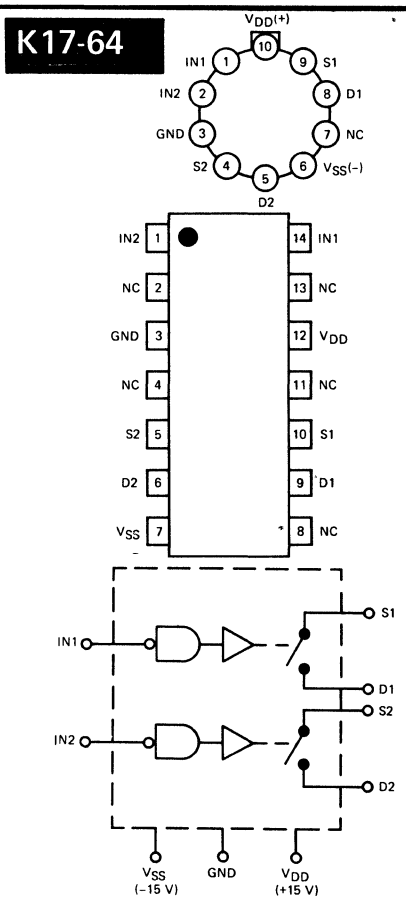
K17-62



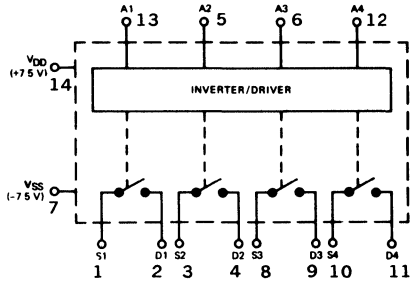
K17-63



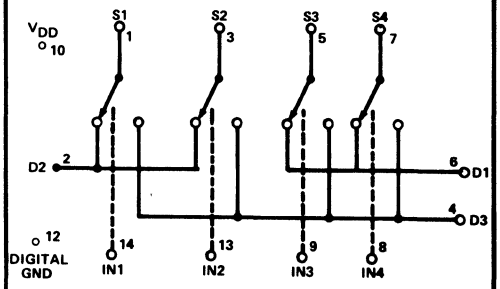
K17-64



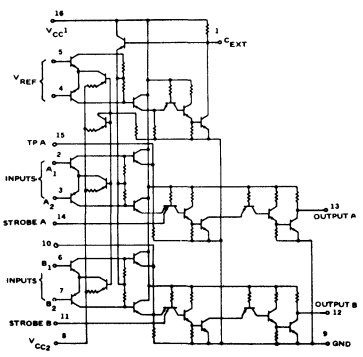
K17-65



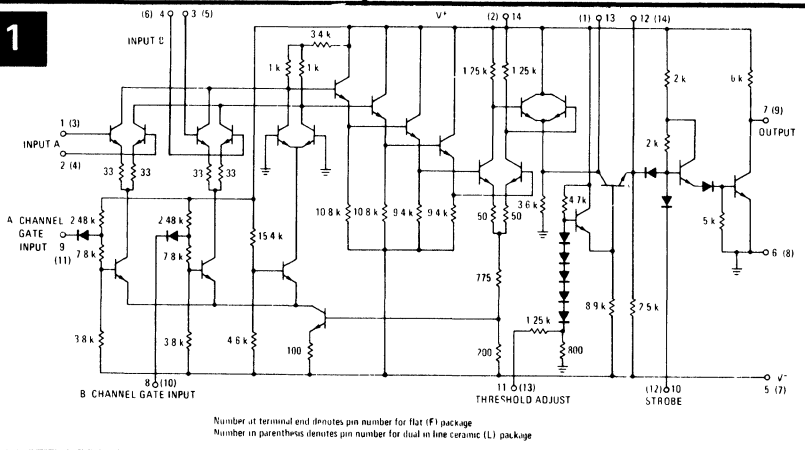
K17-66



K19-8

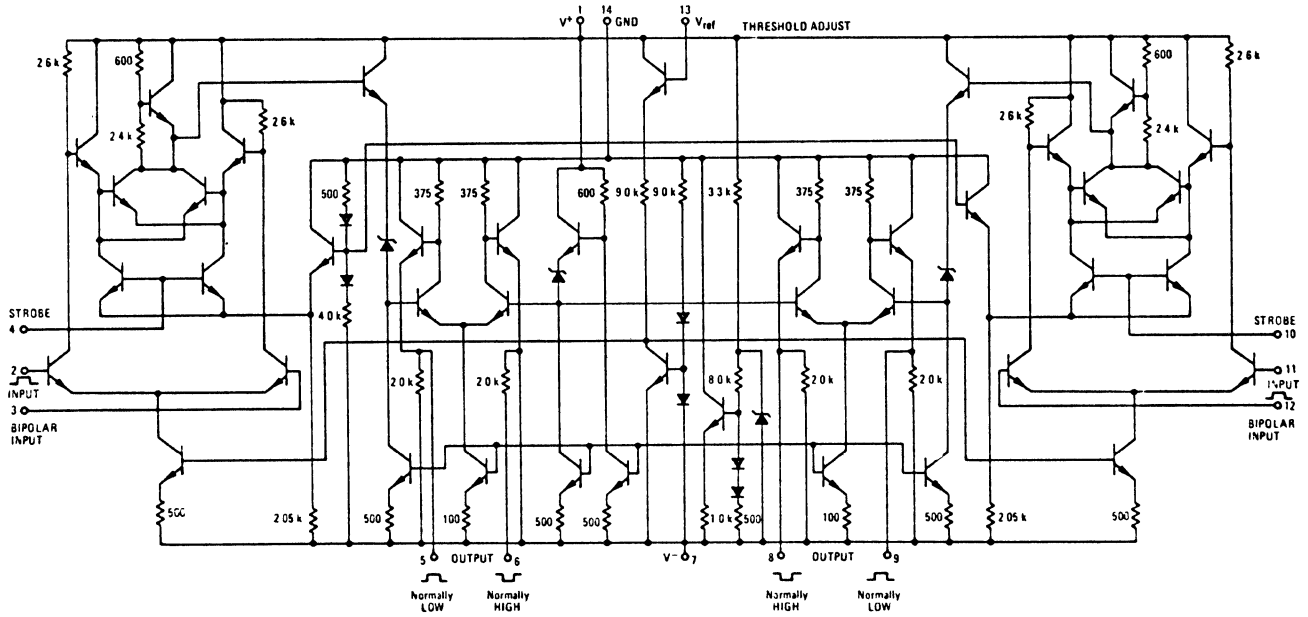


K19-11

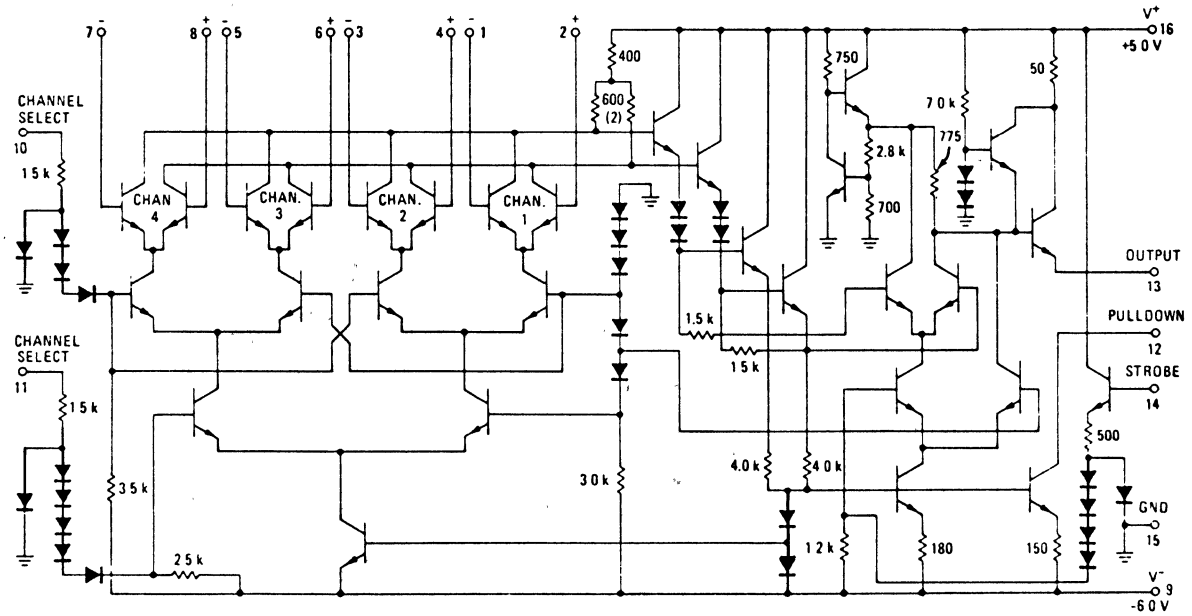


Number at terminal end denotes pin number for flat (F) package
Number in parentheses denotes pin number for dual in line ceramic (L) package

K19-12

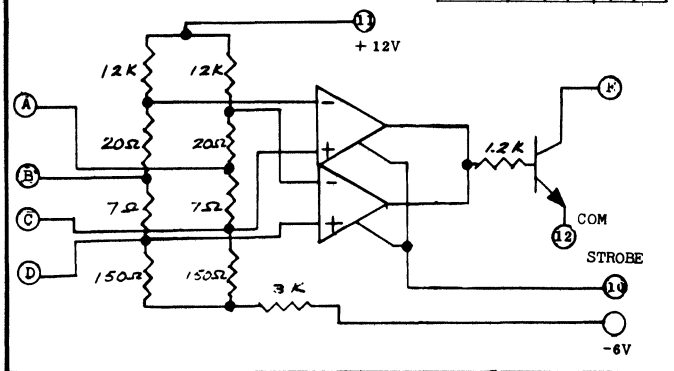

V+ 1
14 GND
13 Vref
THRESHOLD ADJUST
26k
600
24k
500
375
90k
33k
40k
20k
80k
STROBE 4
2 INPUT
3 BIPOLAR INPUT
STROBE 10
11 INPUT
12 BIPOLAR INPUT
500
205k
100
10k
5 OUTPUT 6
V- 7
8 OUTPUT 9
Normally LOW
Normally HIGH
Normally HIGH
Normally LOW

K19-13


7 8 5 6 3 4 1 2
V+ 16 +5.0V
CHANNEL SELECT 10
15k
CHAN 4
CHAN. 3
CHAN. 2
CHAN. 1
400
600 (2)
750
50
70k
2.8k
775
700
OUTPUT 13
PULLDOWN 12
1.5k
15k
CHANNEL SELECT 11
STROBE 14
500
4.0k
40k
30k
35k
25k
12k
180
150
GND 15
V- 9 -6.0V

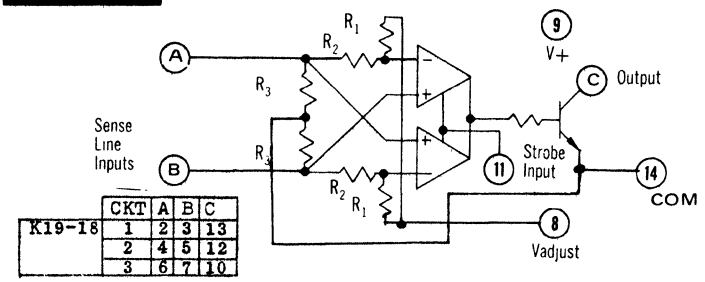
K19-17

K19-17	CKT	A	B	C	D	E
	1	3	14	2	1	13
	2	8	5	7	6	9

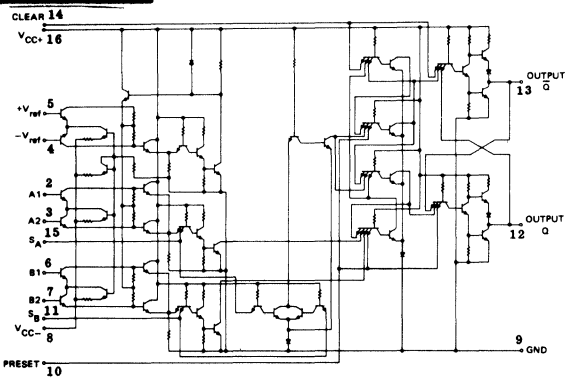


K19-18

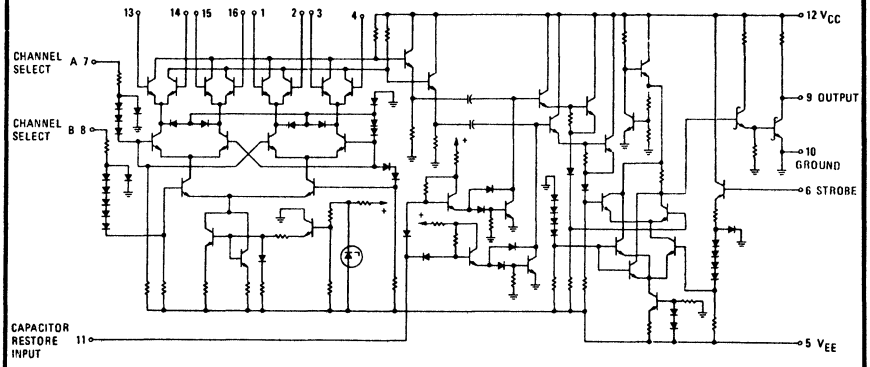
K19-18	CKT	A	B	C
	1	2	3	13
	2	4	5	12
	3	6	7	10



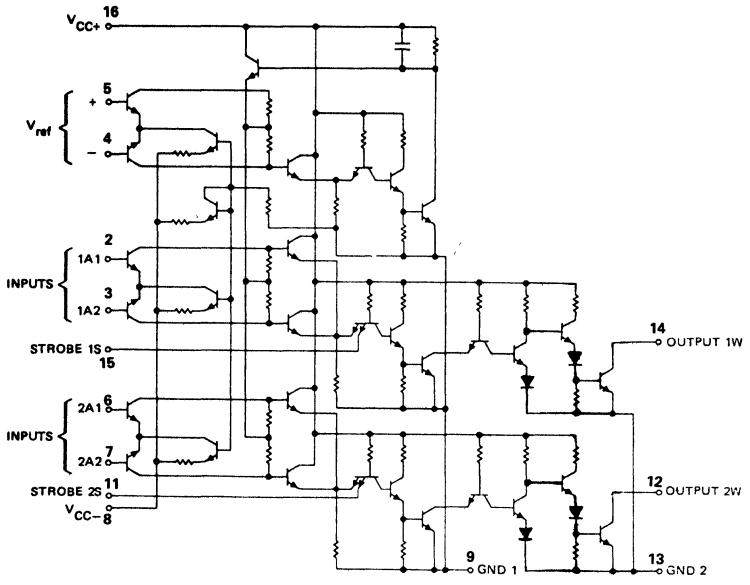
K19-21



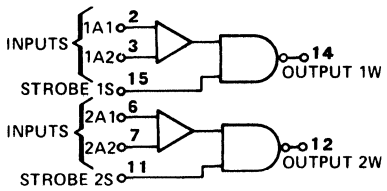
K19-25



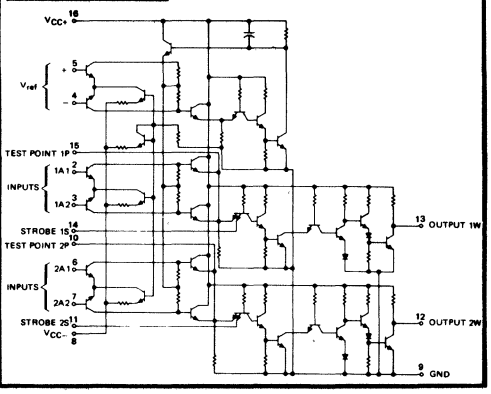
K19-26



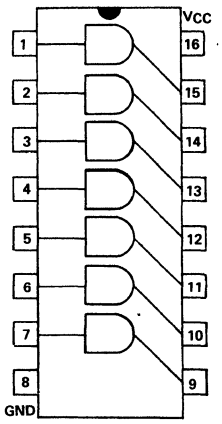
K19-27



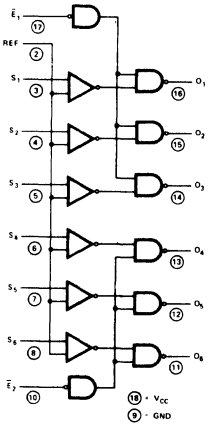
K19-28



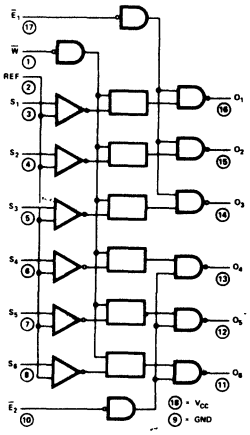
K19-29



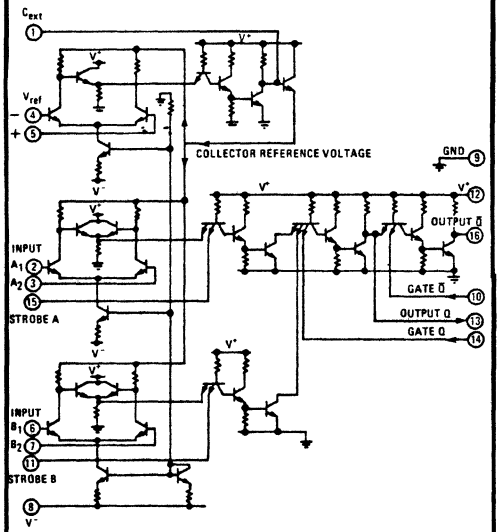
K19-30



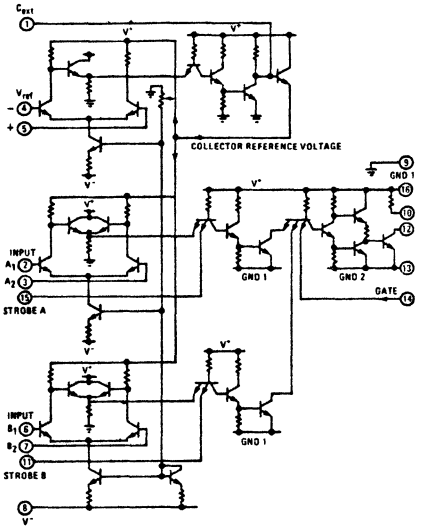
K19-31



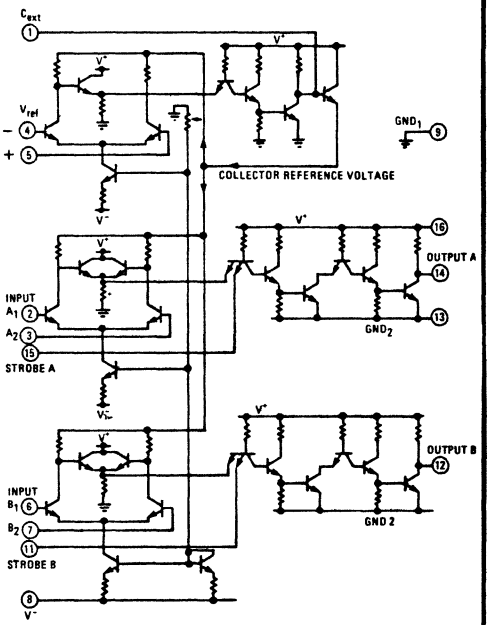
K19-32



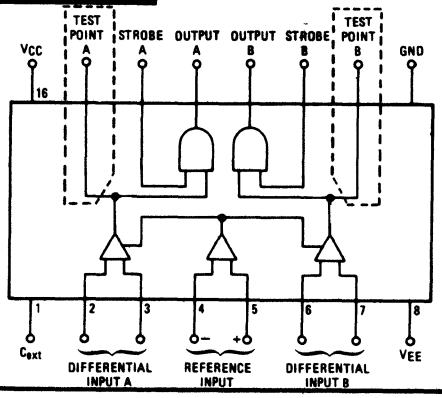
K19-33



K19-34



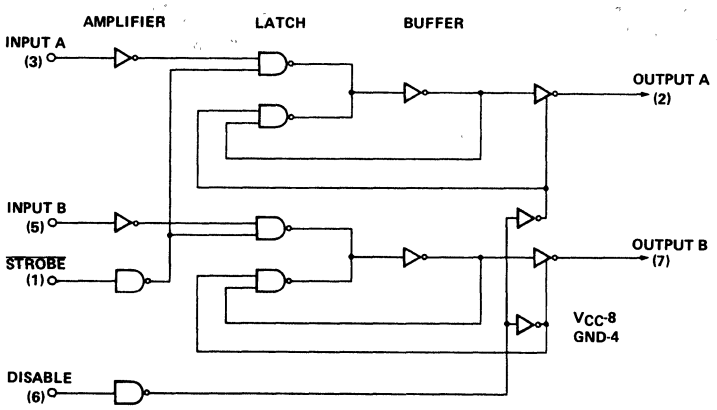
K19-35



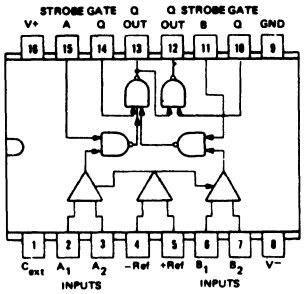
	TEST POINT		STROBE		OUT		
	A	B	A	B	A	B	GND
K1935	15	10	14	11	13	12	9
K1935a	NA	NA	15	11	14	12	9,13

K19-35a — DOTTED IN PORTION OMITTED
K19-35b — INVERTED VERSION OF K15-35
K19-35c — INVERTED VERSION OF K19-35a

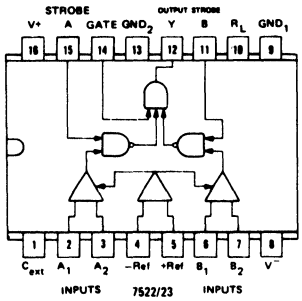
K19-36



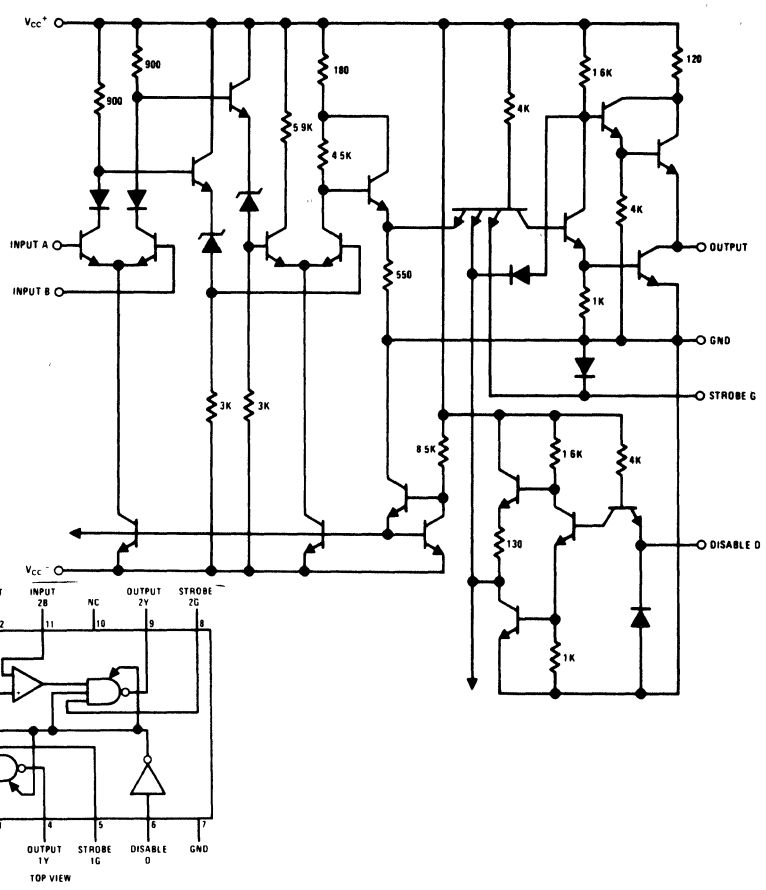
K19-37



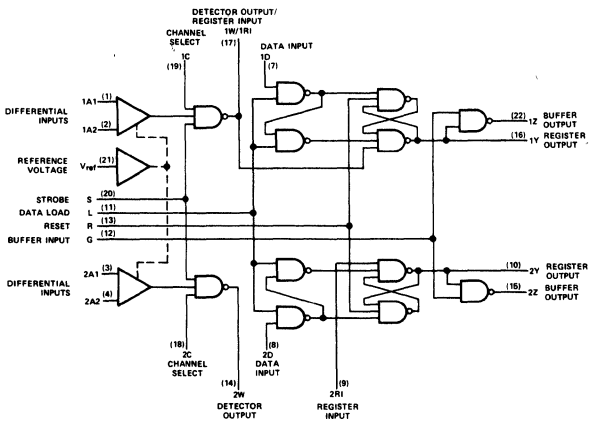
K19-38



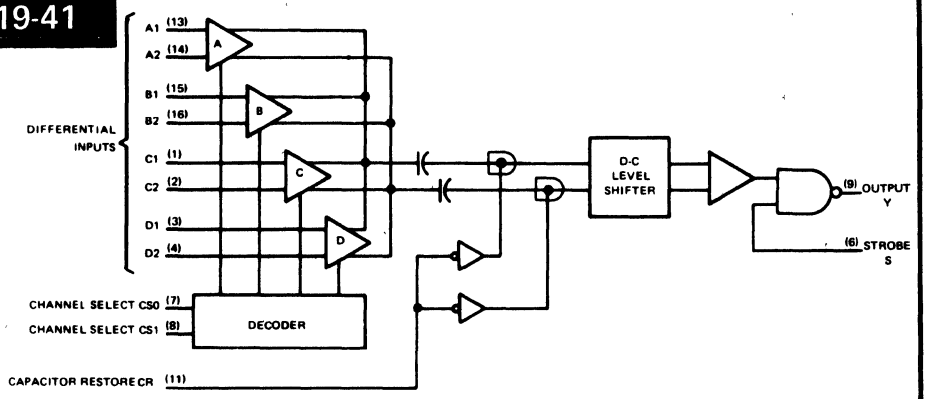
K19-39



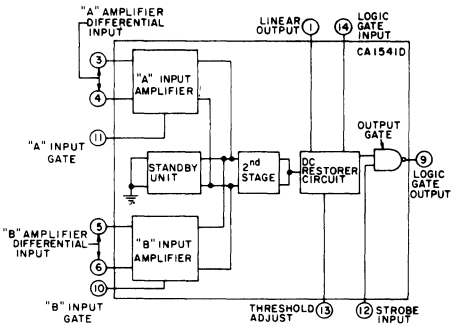
K19-40



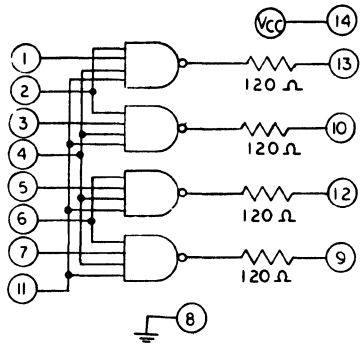
K19-41



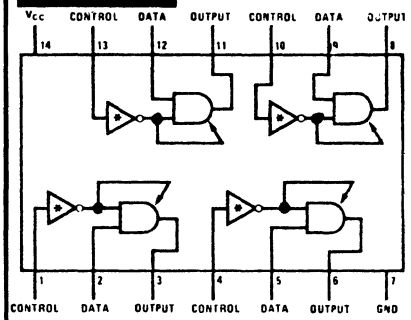
K19-42



K20-1

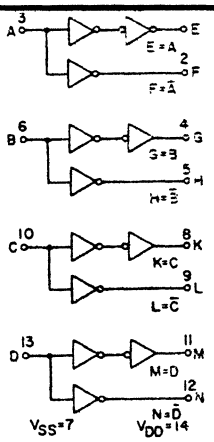


K20-2

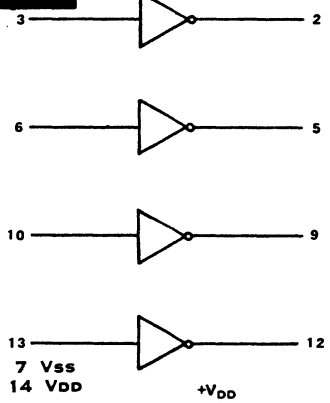


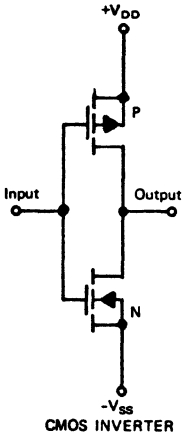
NOTE:
★ INVERTED ON K20-2a ONLY

K20-3



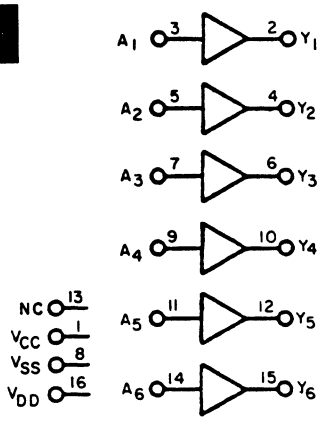
K20-4

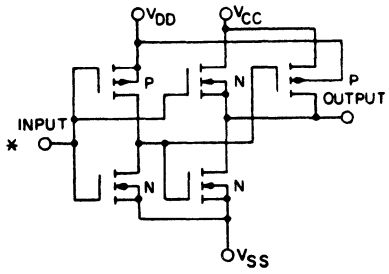




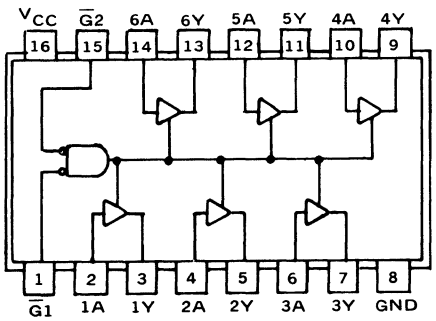
CMOS INVERTER

K20-5

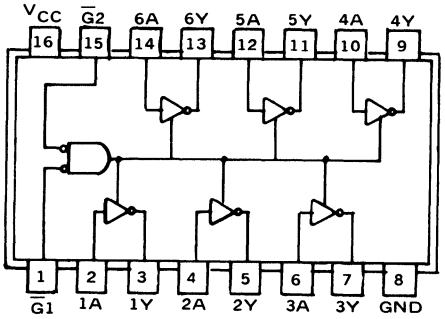




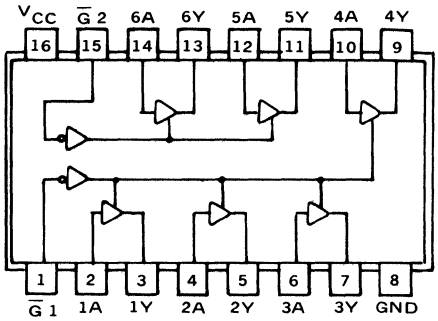
K20-6



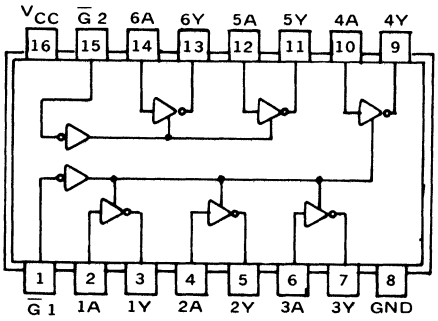
K20-7



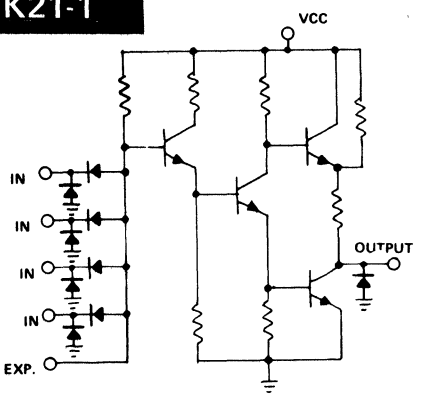
K20-8



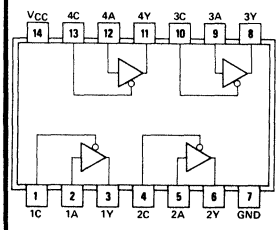
K20-9

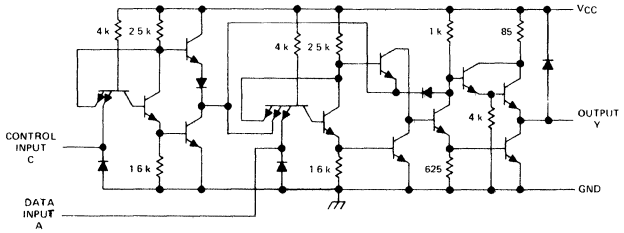


K21-1

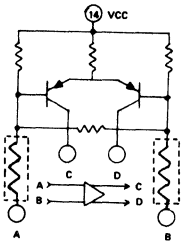


K20-10





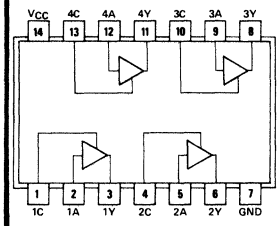
K21-2

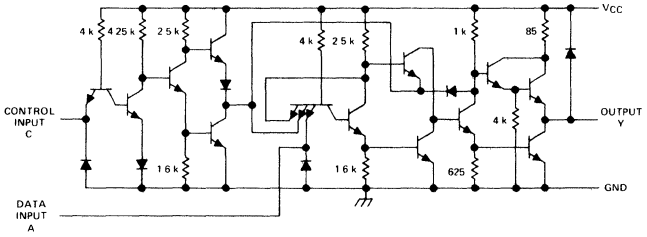


DOTTED IN PORTIONS K21-2a ONLY

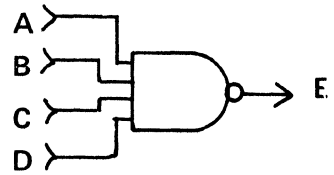
	CKT	A	B	C	D
K21-2,a	1	1	4	2	3
	2	5	9	6	8
	3	10	13	11	12

K20-11



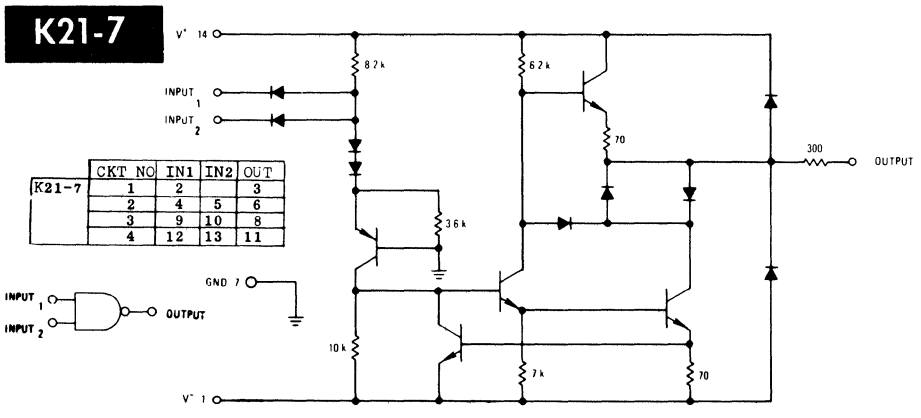


K21-3



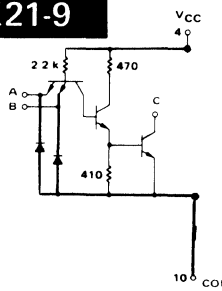
	CKT	A	B	C	D	E
K21-3	1	13	1	2	3	12
	2	5	6	7	9	11

K21-7



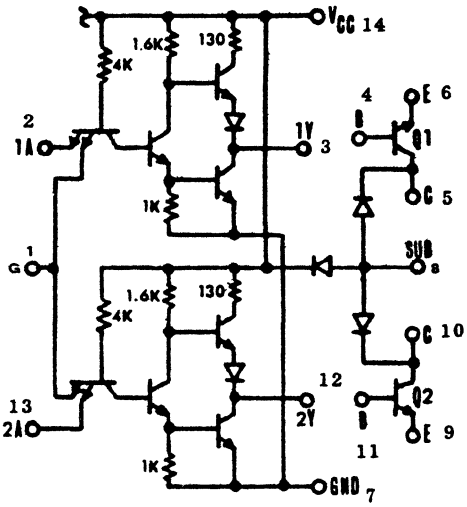
	CKT NO	IN1	IN2	OUT
K21-7	1	2		3
	2	4	5	6
	3	9	10	8
	4	12	13	11

K21-9



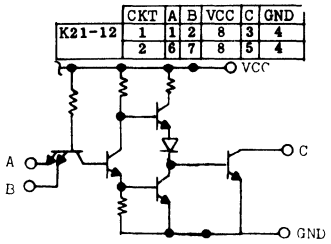
	CKT	A	B	C
K21-9	1	1	2	3
	2	5	6	7
	3	8	9	11
	4	12	13	14

K21-11

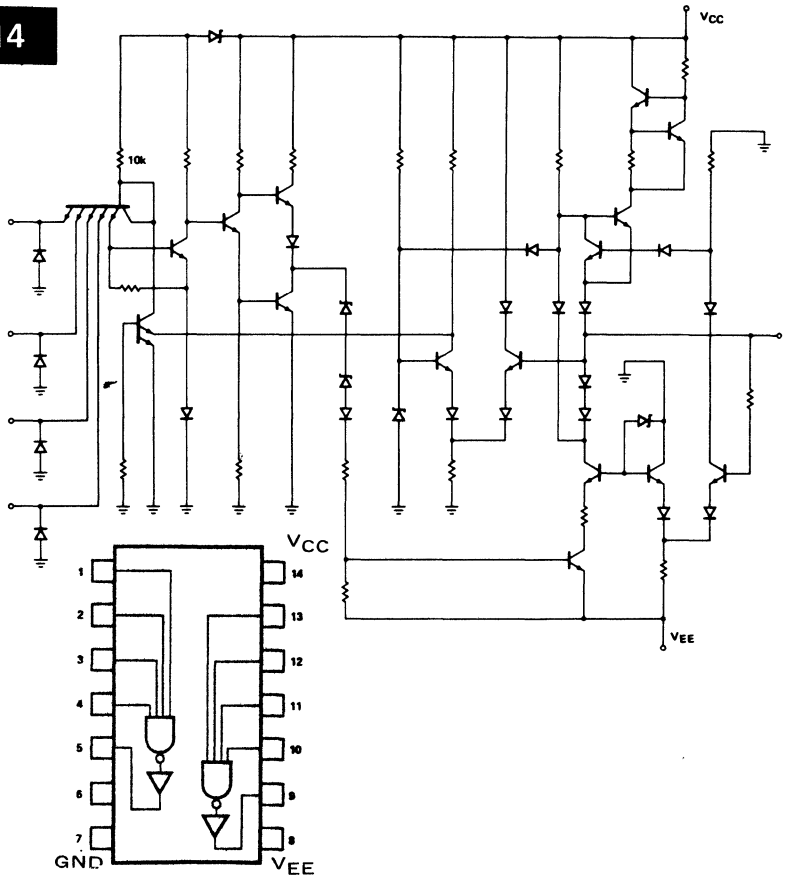


K21-12

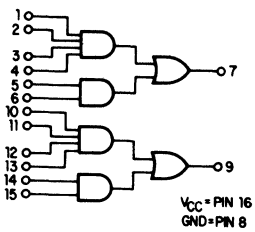
	CKT	A	B	VCC	C	GND
K21-12	1	1	2	8	3	4
	2	6	7	8	5	4



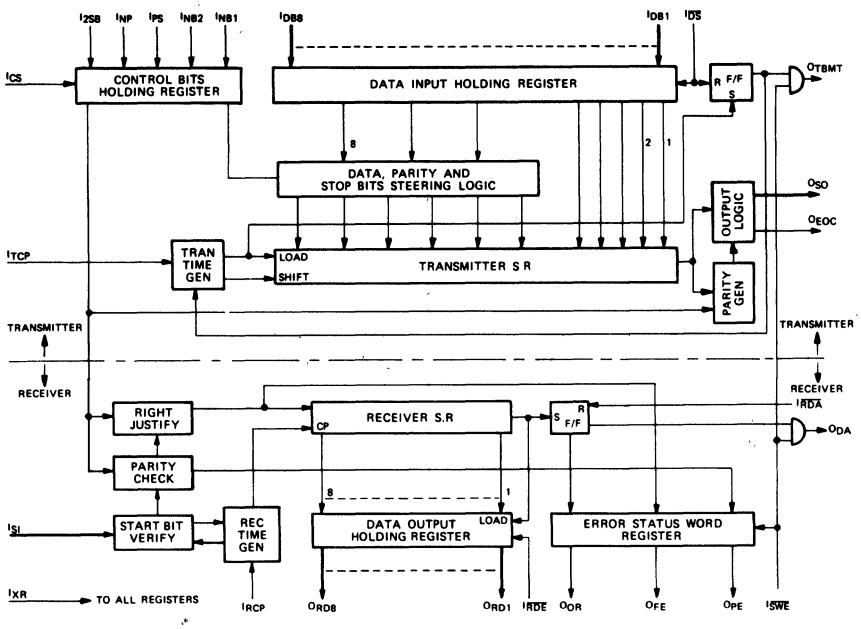
K21-14



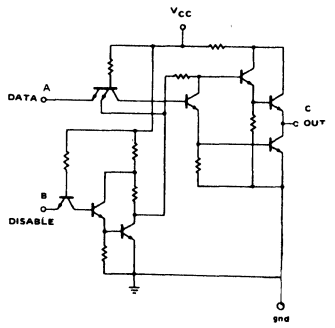
K21-15



K21-16

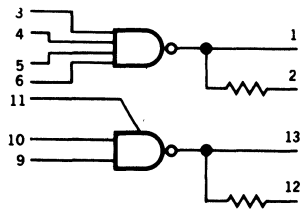


K21-17



	PKG	CKT	DATA	DISABLE	OUT	VCC	GND
K21-17	MP	1	1	2	3	14	7
		2	5	4	6		
		3	9	10	8		
		4	13	12	11		
	FP	1	3	2	1	4	11
		2	5	6	7		
		3	9	8	10		
		4	13	14	12		

K21-18

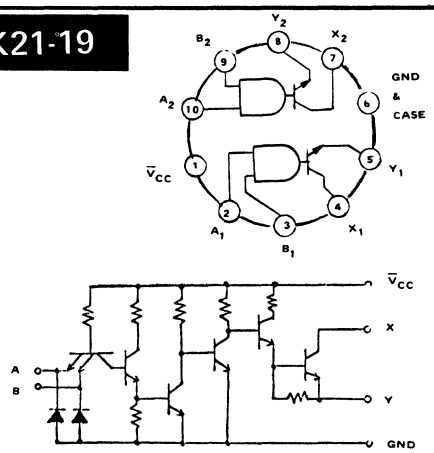


V_{CC_1}=14

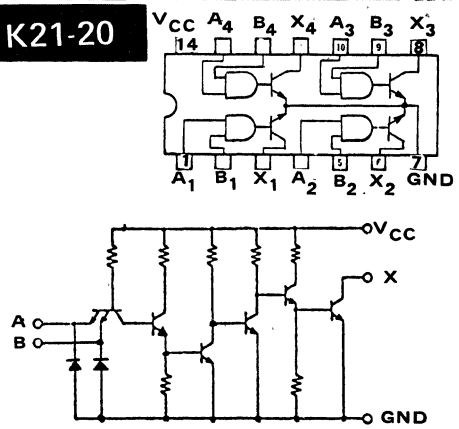
V_{CC_2}=8

GND=7

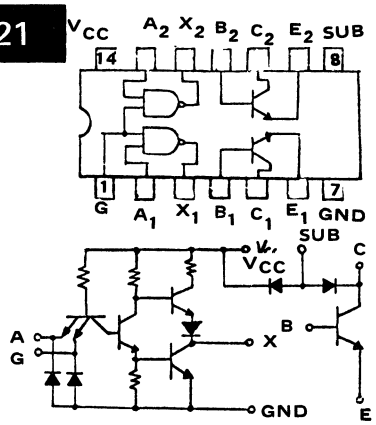
K21-19



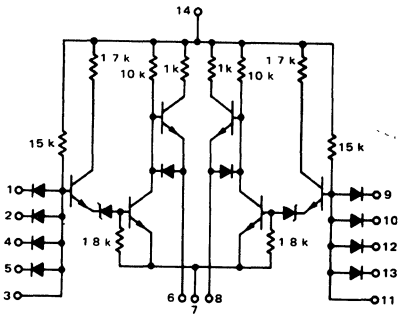
K21-20



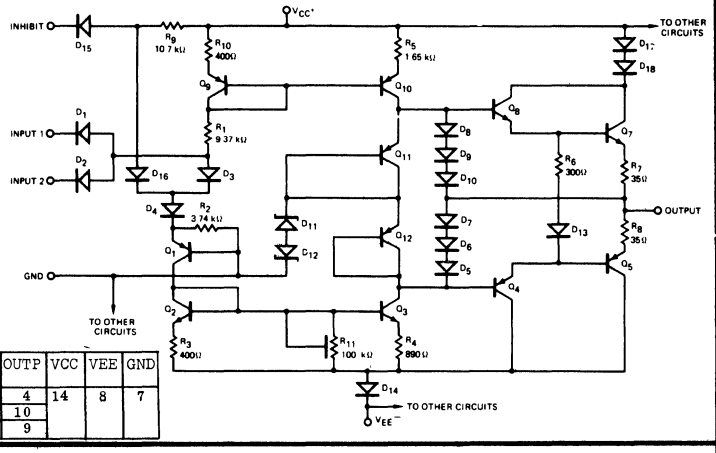
K21-21



K21-22

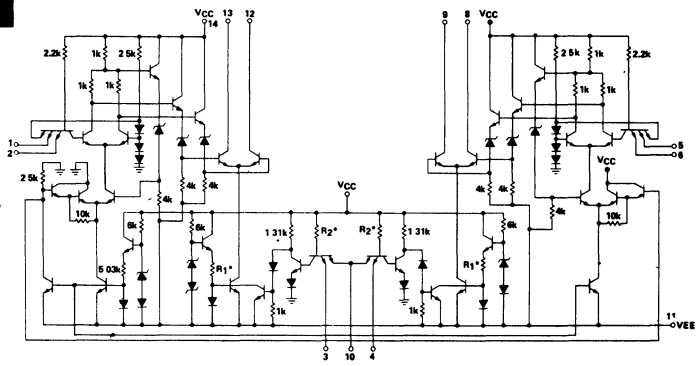


K21-23

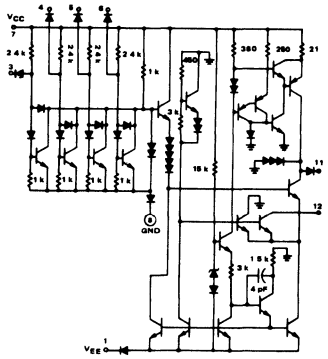


	CKT	INHIBIT	INPUT 1	INPUT 2	OUTP	VCC	VEE	GND
K21-23	1	3	1	2	4	14	8	7
	2	11	13	12	10			
	3	6	5		9			

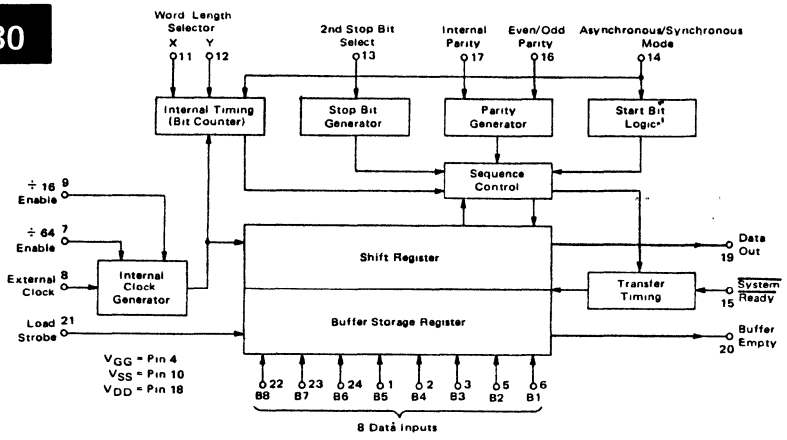
K21-28



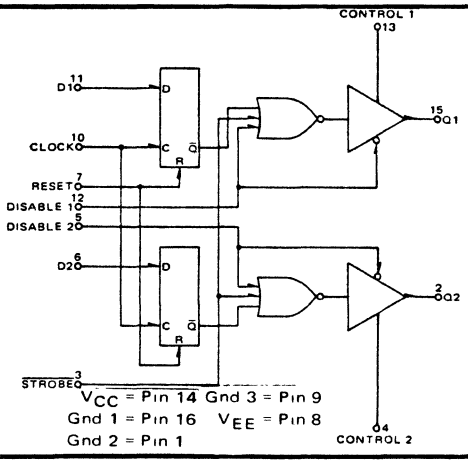
K21-29



K21-30

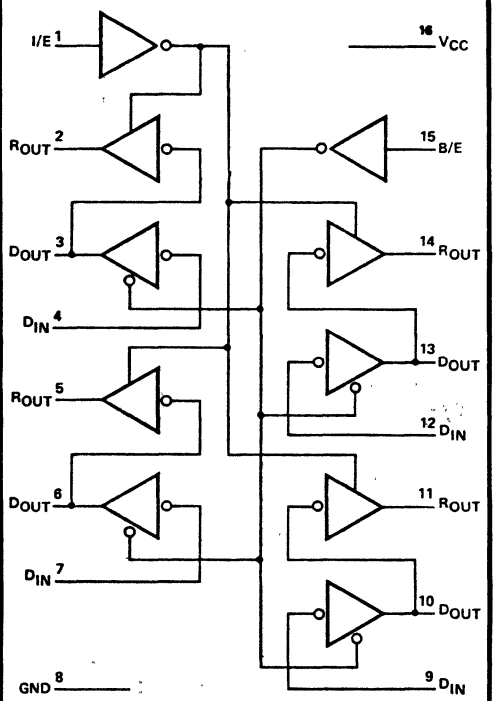


K21-31

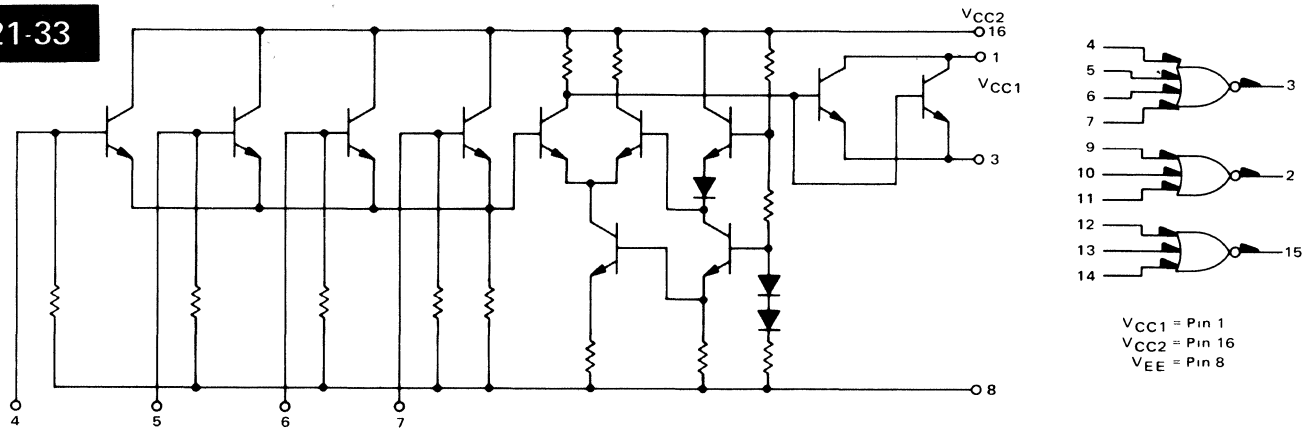


VCC = Pin 14 Gnd 3 = Pin 9
Gnd 1 = Pin 16 VEE = Pin 8
Gnd 2 = Pin 1

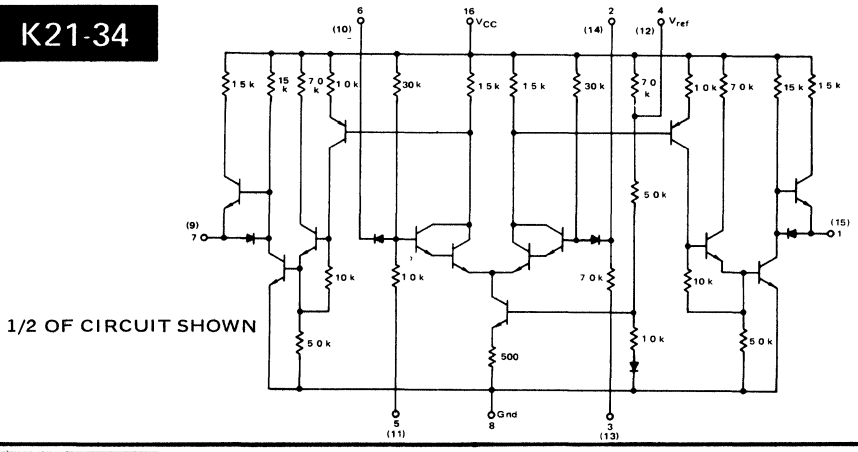
K21-32



K21-33

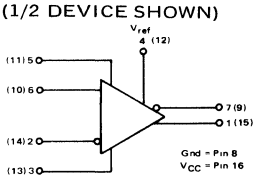


K21-34



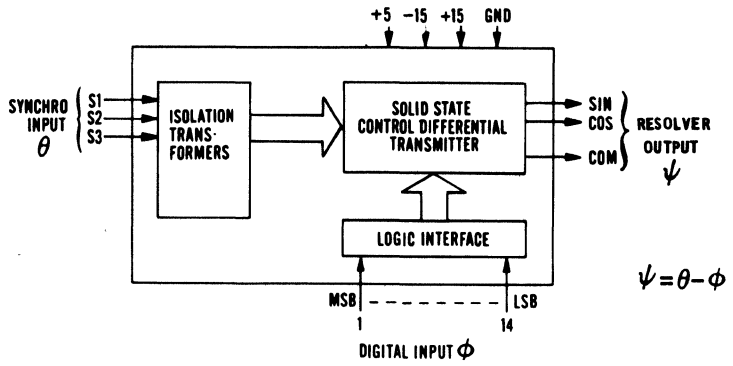
1/2 OF CIRCUIT SHOWN

(1/2 DEVICE SHOWN)

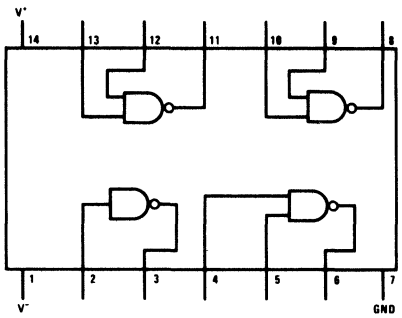


Numbers in parenthesis denotes pin numbers for other half of device

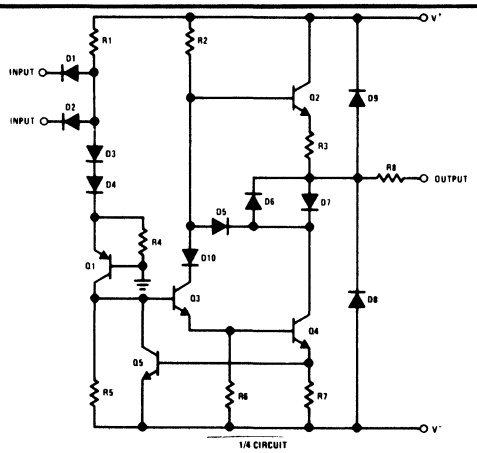
K21-35



K21-36

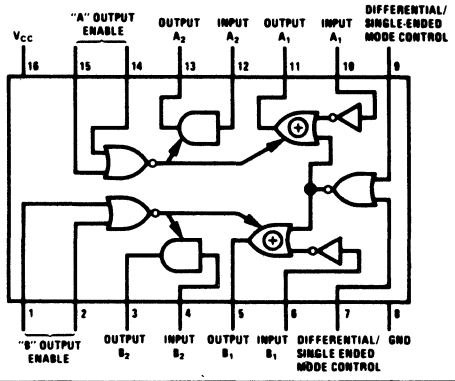


TOP VIEW

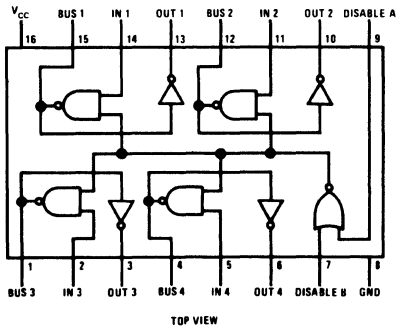


1/4 CIRCUIT

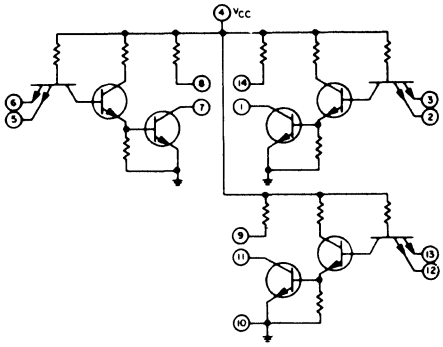
K21-37



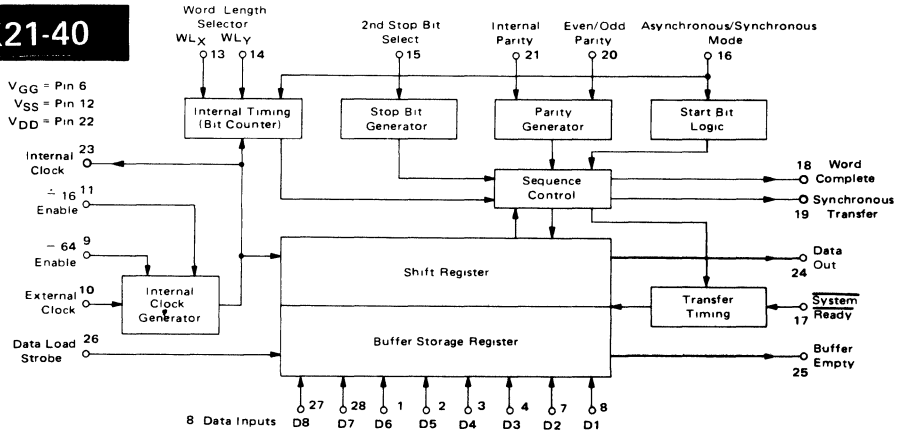
K21-38



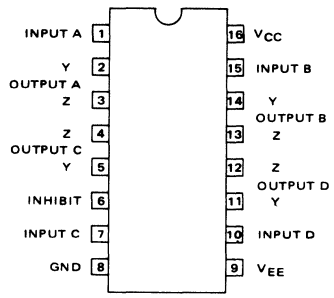
K21-39

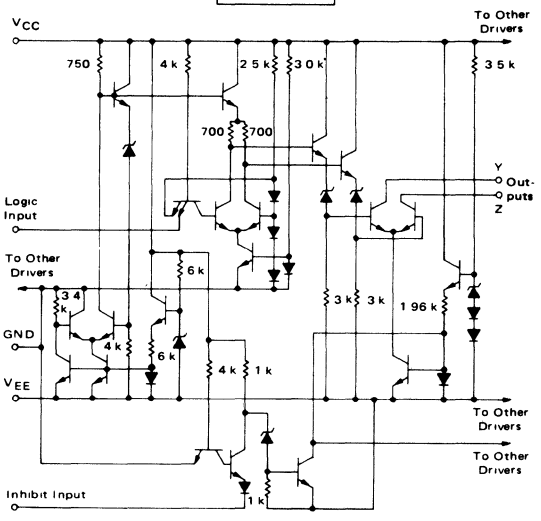


K21-40

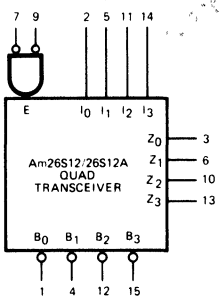


K21-41

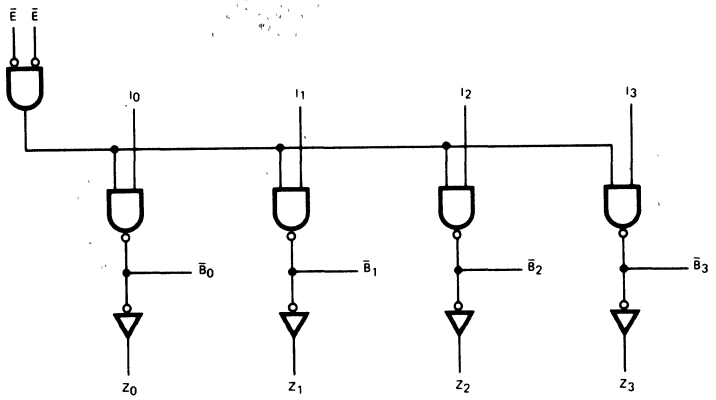




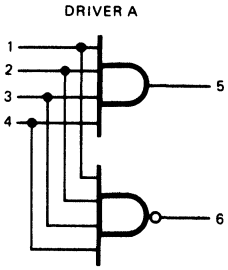
K21-42

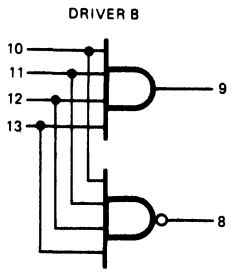


V_{CC} = PIN 16
GND = Pin 8

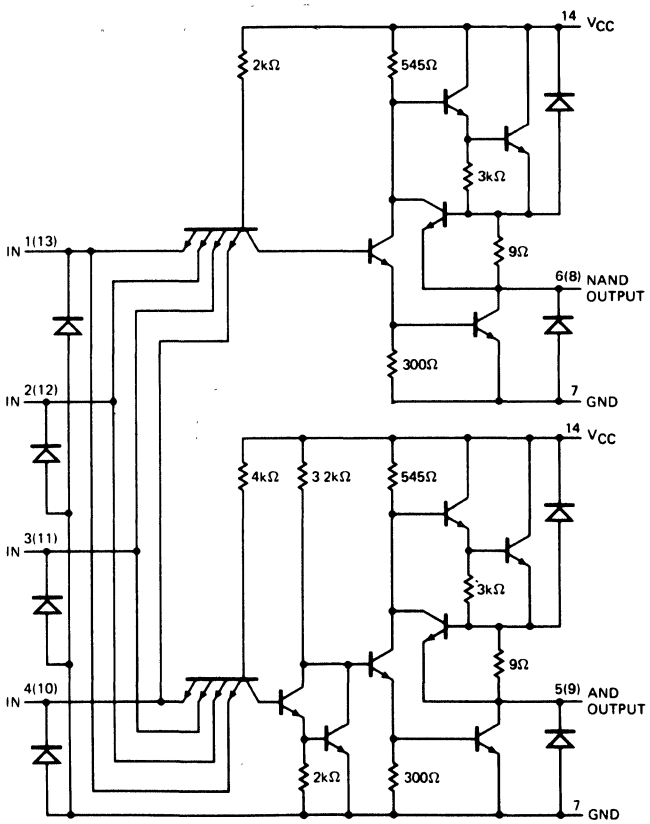


K21-43

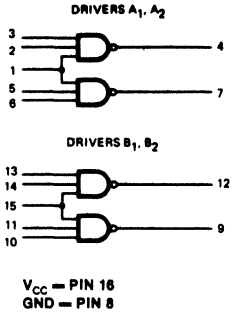




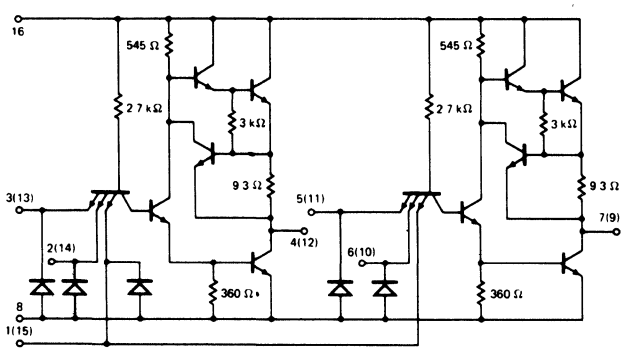
V_{CC} = Pin 14
GND = Pin 7



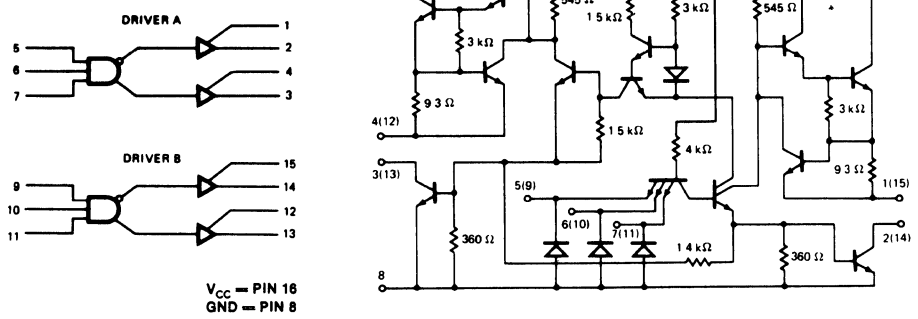
K21-44



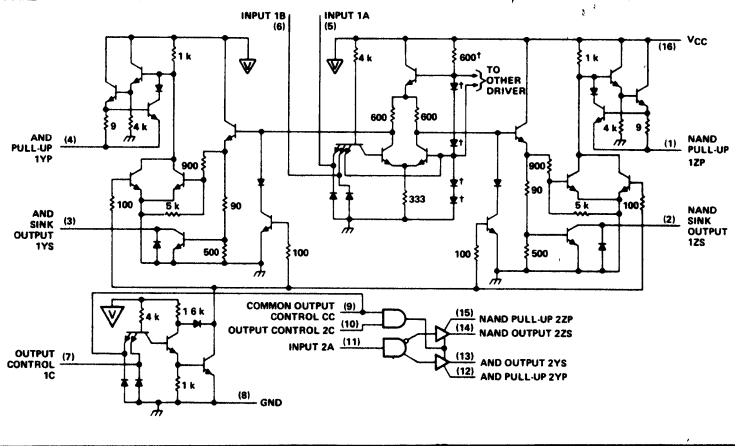
V_{CC} = PIN 16
GND = PIN 8



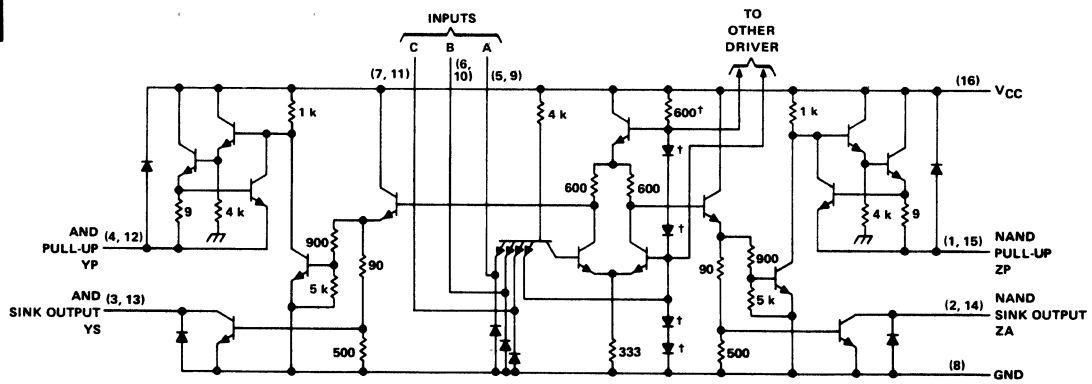
K21-45



K21-46



K21-47



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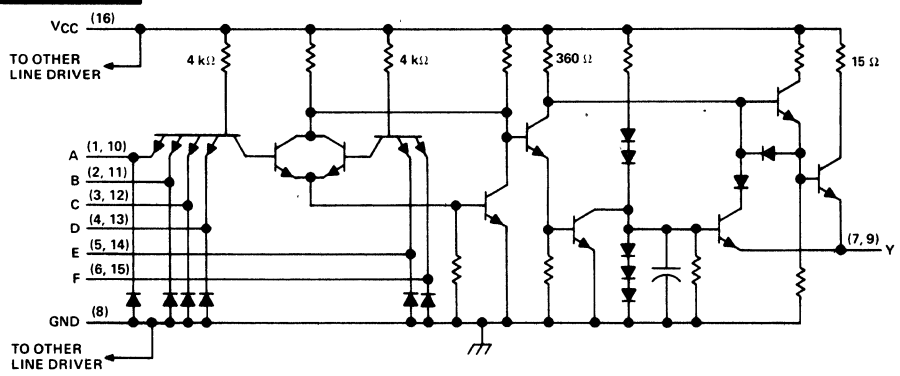
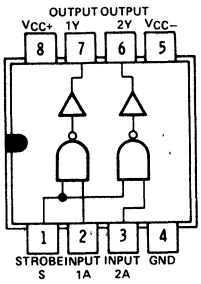
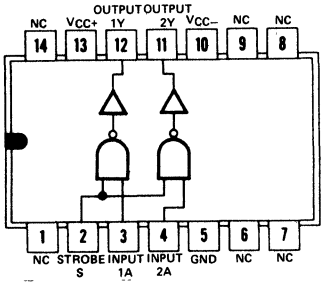
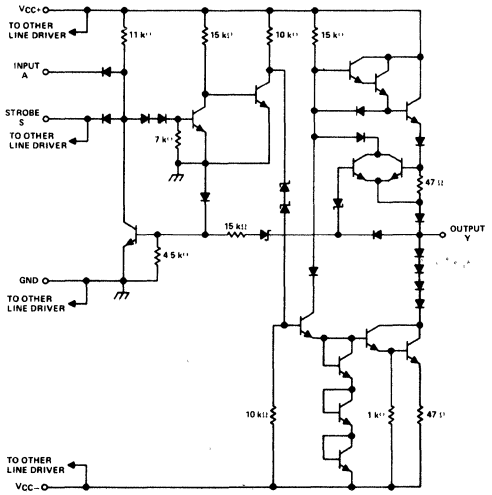


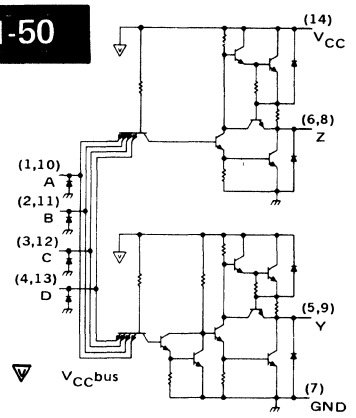
K21-49



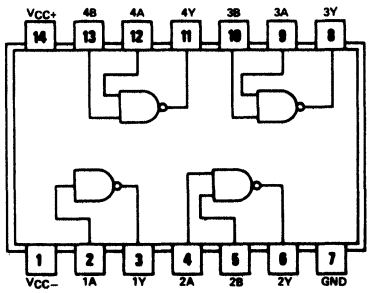


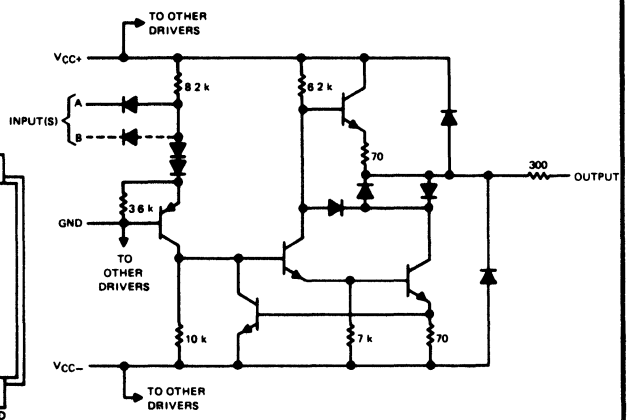


K21-50



K21-51





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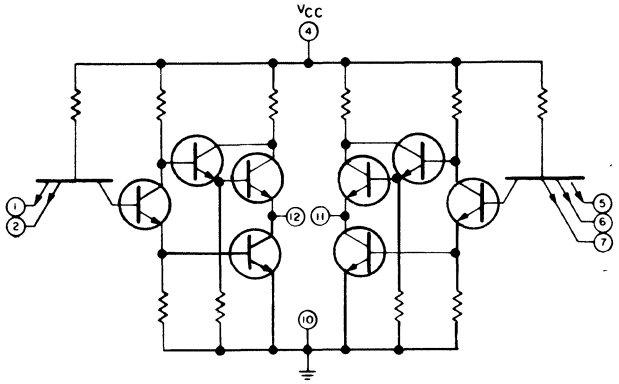
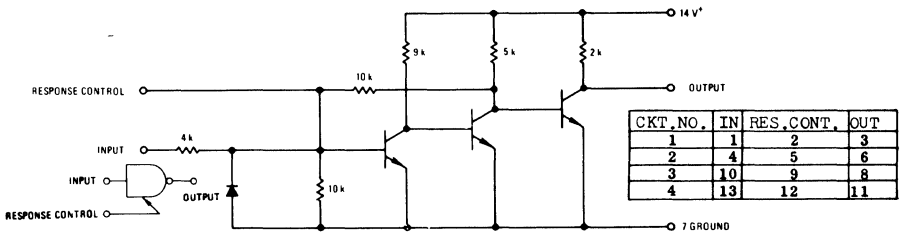
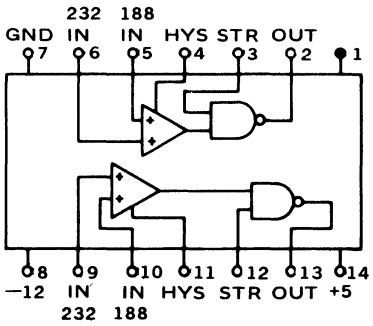


K22-3

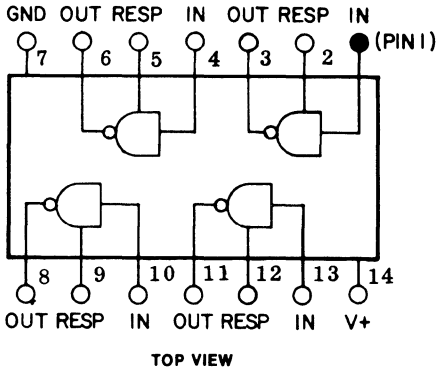


CKT.NO.	IN	RES.CONT.	OUT
1	1	2	3
2	4	5	6
3	10	9	8
4	13	12	11

K22-5

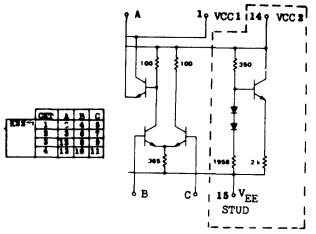


K22-6



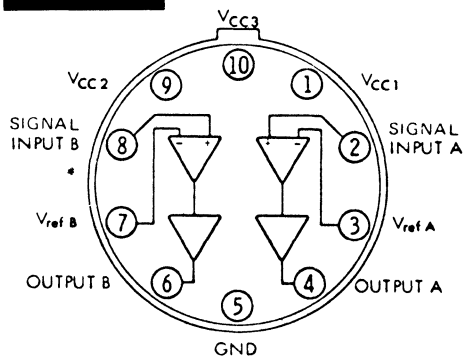
TOP VIEW

K22-7

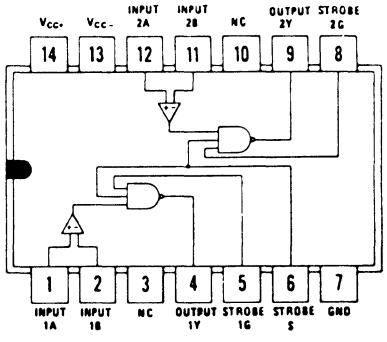


DOTTED PORTION ONE PER PKG.

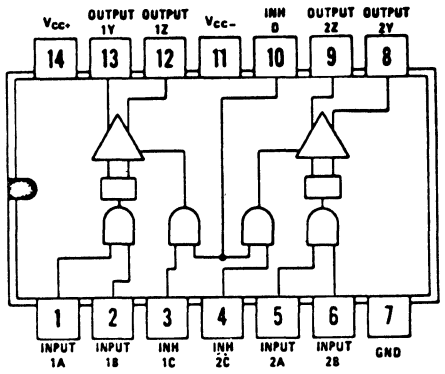
K22-10



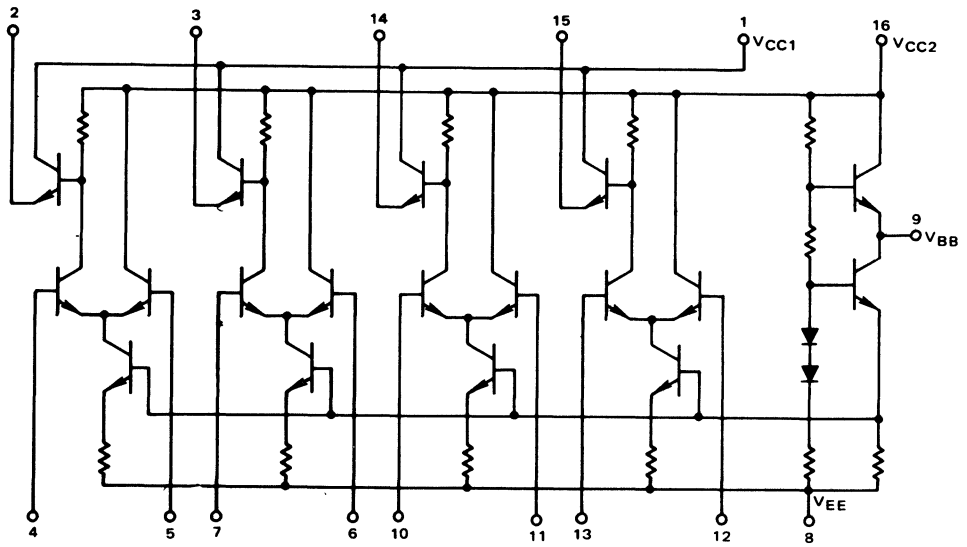
K22-11



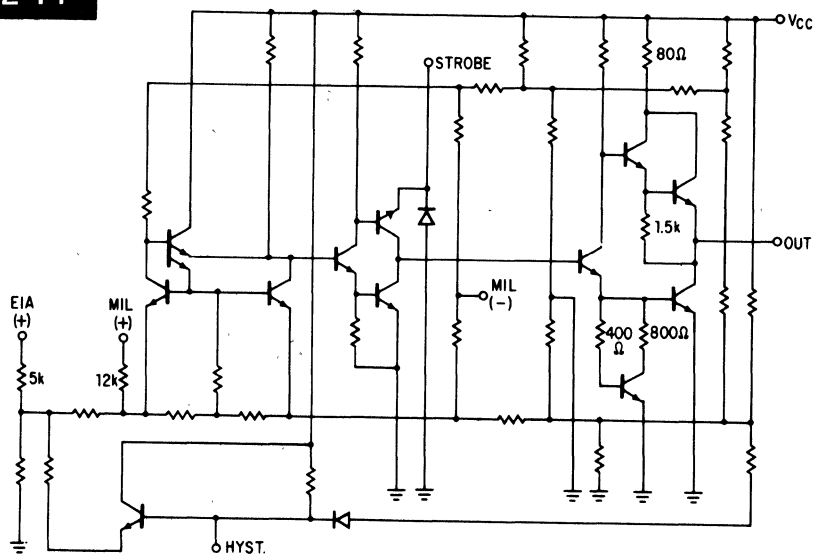
K22-12



K22-13

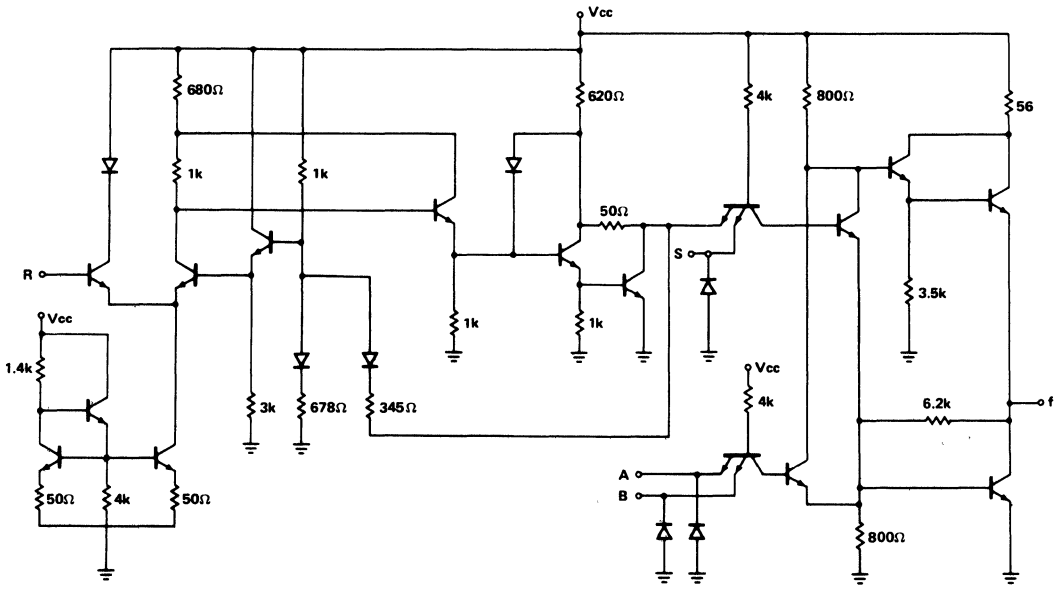


K22-14



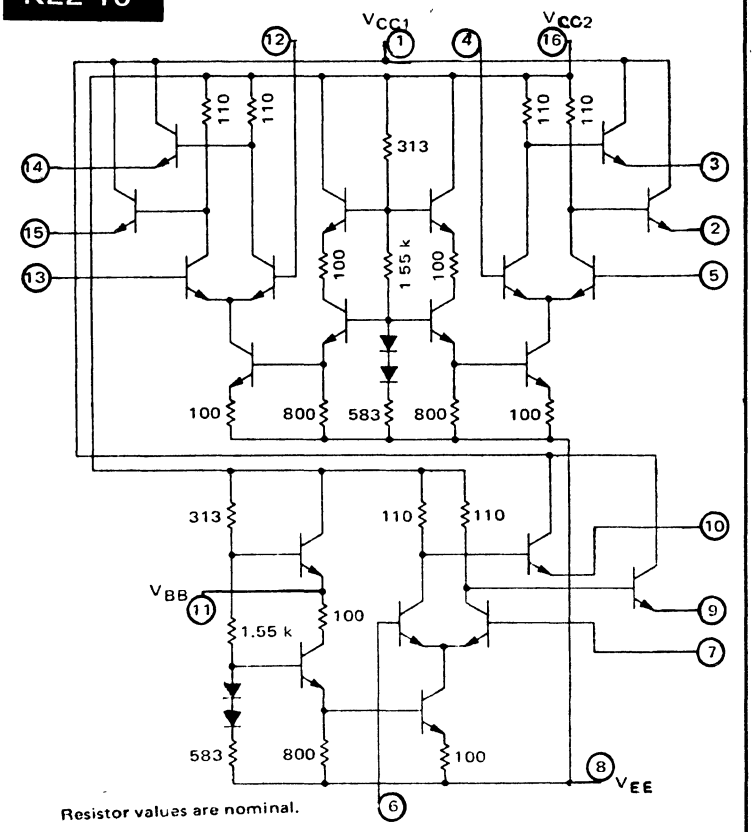
	CKT	EIA	MIL +	MIL -	HYST.	STROBE	OUT	GND	VCC
K22-14	1	6	5	1	4	3	2	7	14
	2	9	10	8	11	12	13	7	14

K22-15



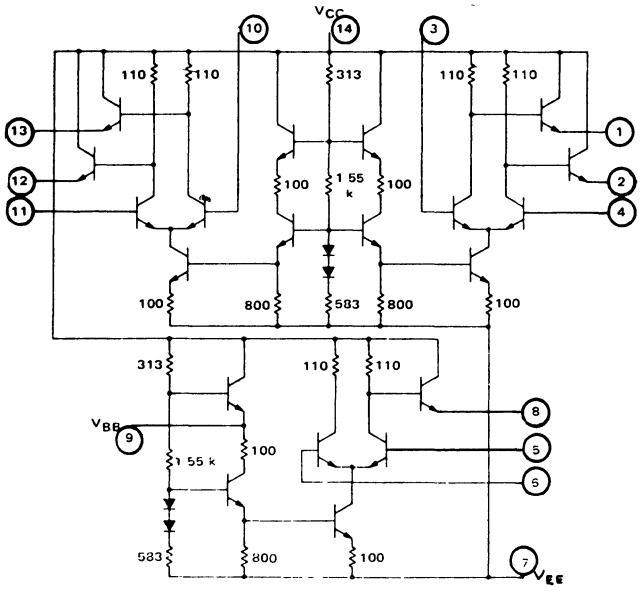
	CKT	R	S	A	B	f	VCC	GND
K22-15	1	3	4	5	6	7	16	8
	2	10	11	12		9	16	8
	3	14	15	1	2	13	16	8

K22-16



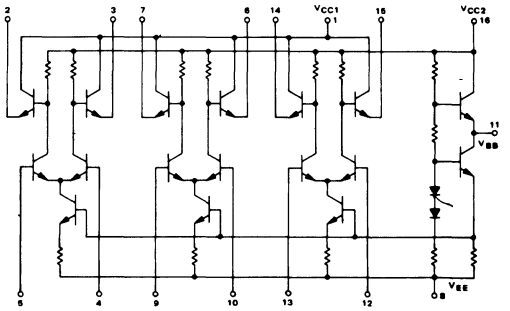
Resistor values are nominal.

K22-17

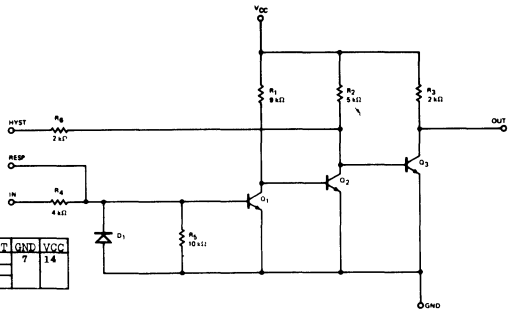


Resistor values are nominal

K22-18

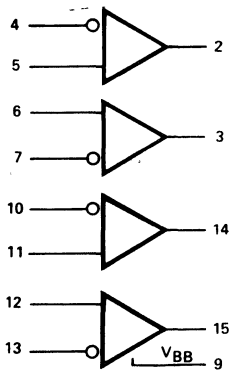


K22-20

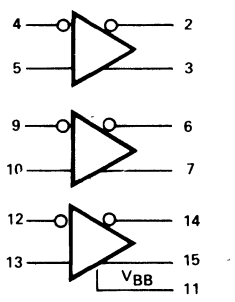


	CKT	HYST	RESP	IN	OUT	GND	VCC
K22-20	1	2	3	4	1	7	14
	2	12	11	10	13		
	3	6	8	9	5		

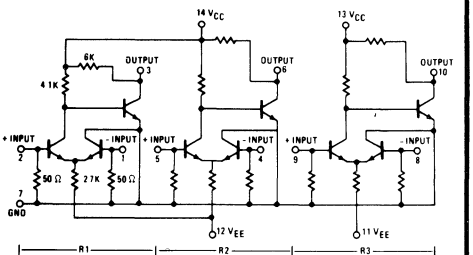
K22-23



K22-24



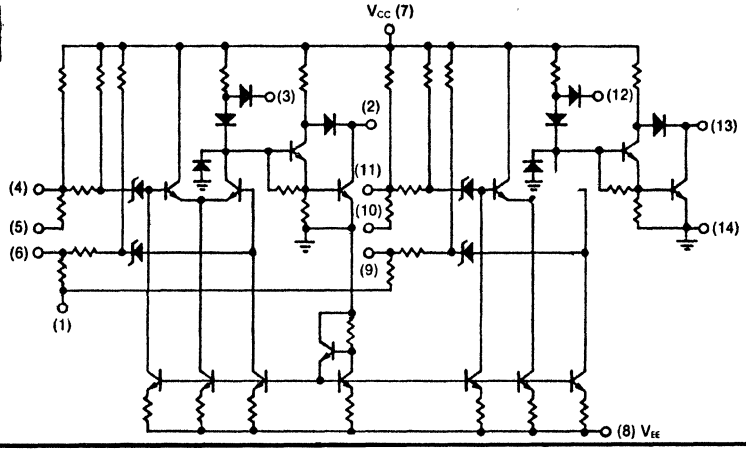
K22-25



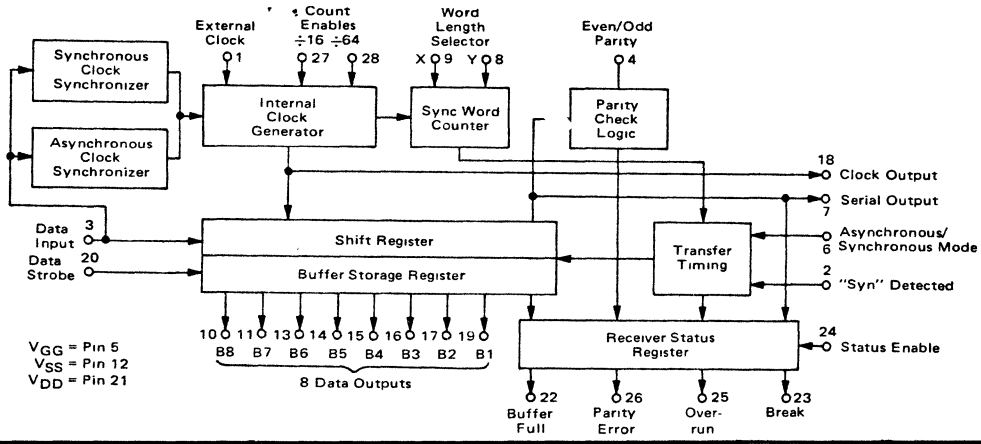
K22-25a—OMITS 6k OUTPUT PULL-UP RESISTORS.

K22-25b—OMITS 50 Ω INPUT TERMINATION RESISTORS.

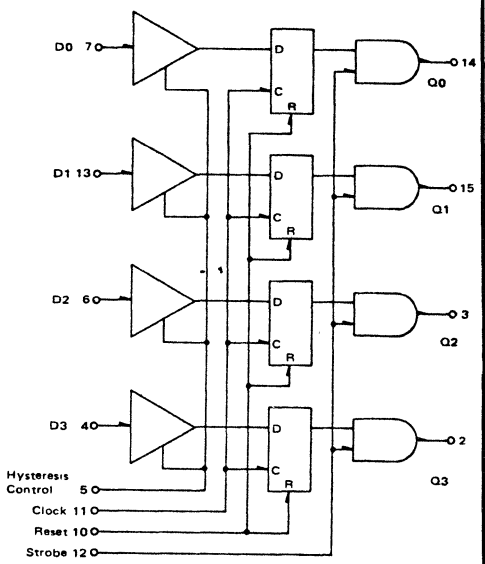
K22-28



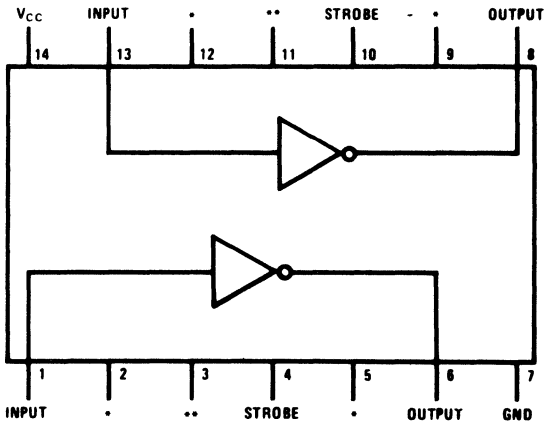
K22-29



K22-30



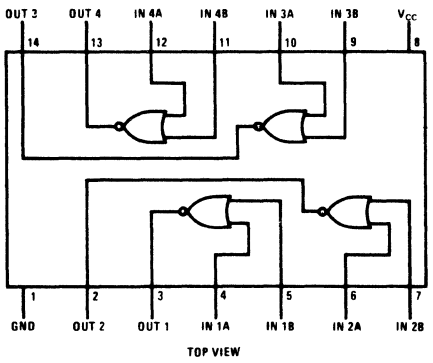
K22-31



*Make no connection to these pins

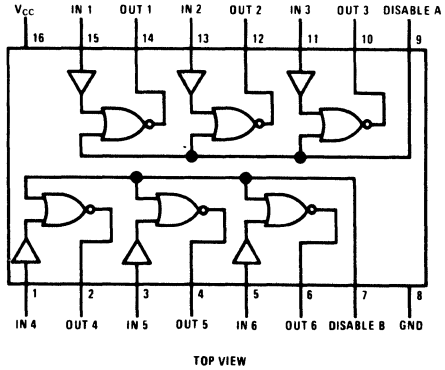
**For operation requiring "Mark Hold" with the input open connect a 470Ω resistors from each of these pins to ground

K22-32



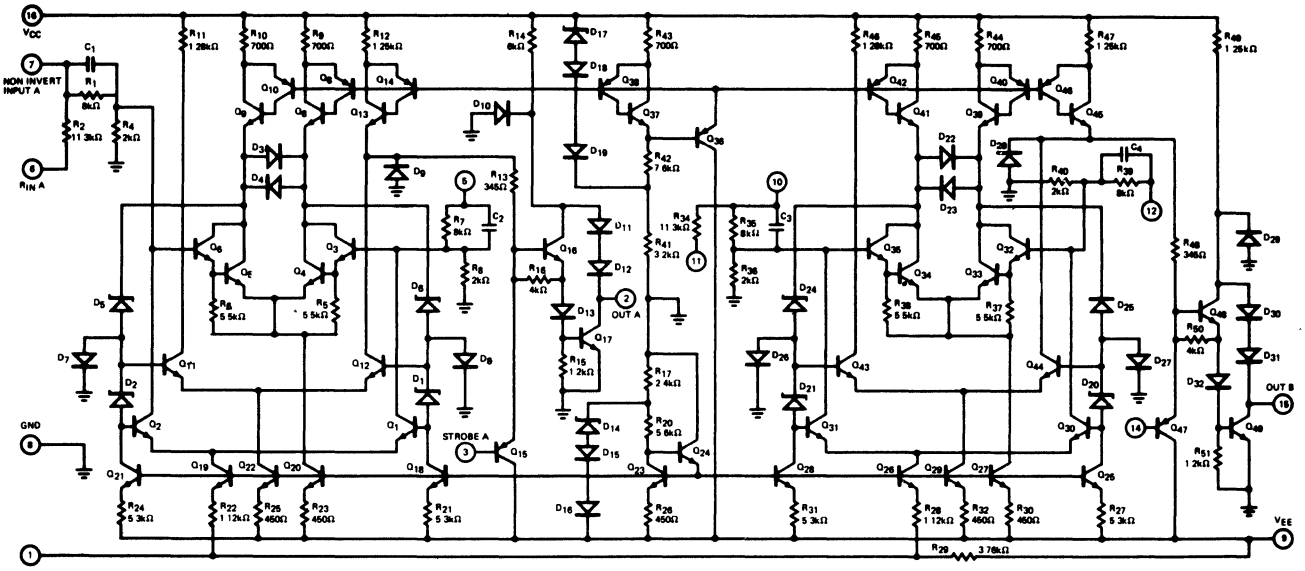
TOP VIEW

K22-33



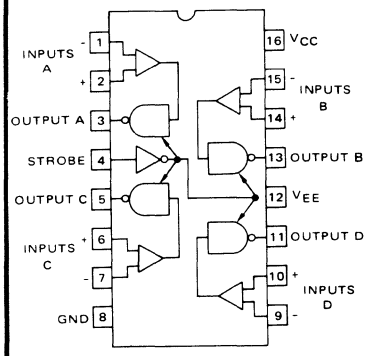
TOP VIEW

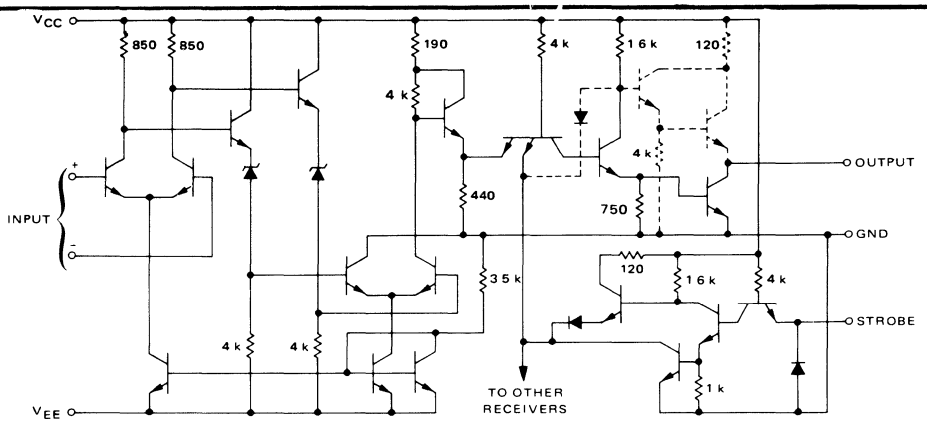
K22-34



Pin 4 and 13 = Internal Connection.

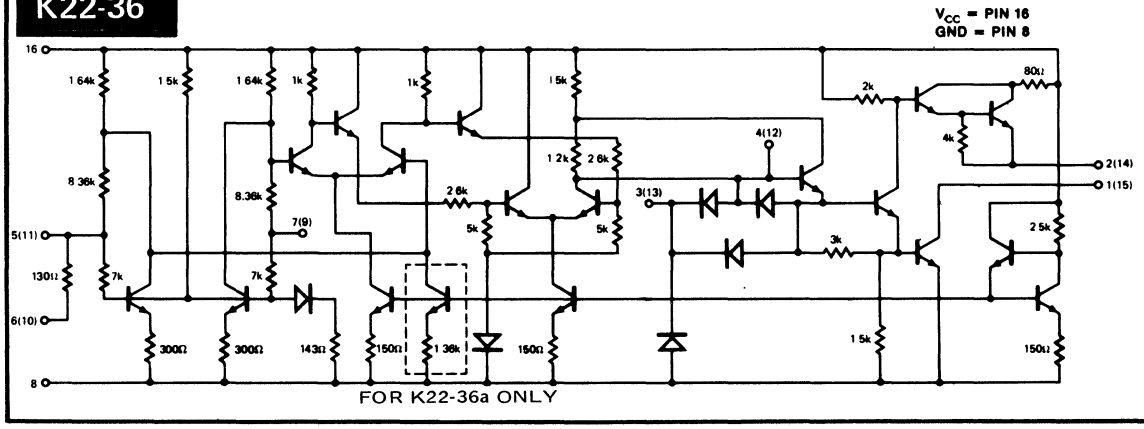
K22-35

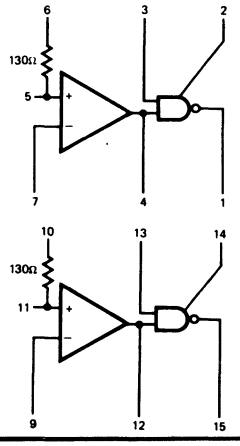




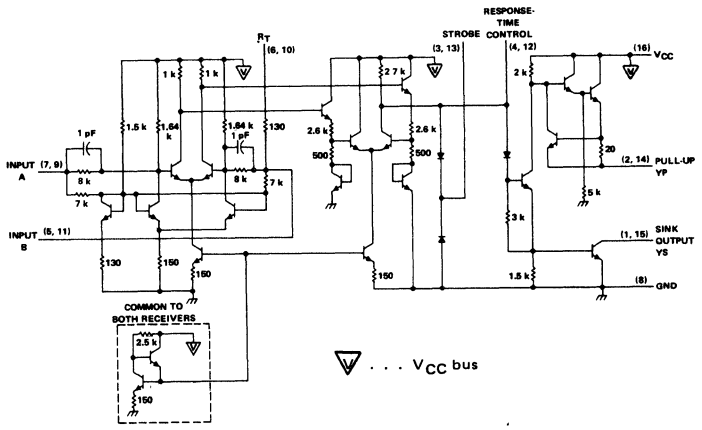
Dashed components apply to the K2235 circuit only.

K22-36

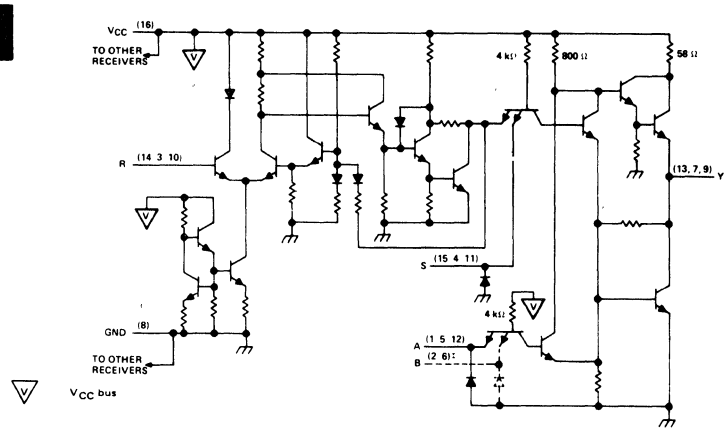




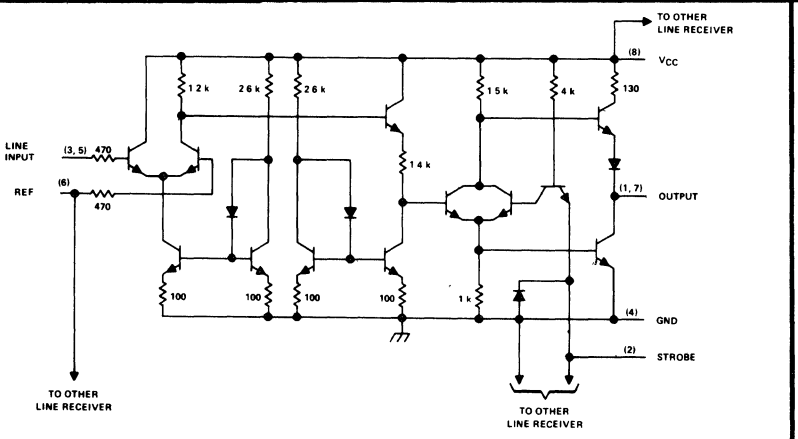
K22-37



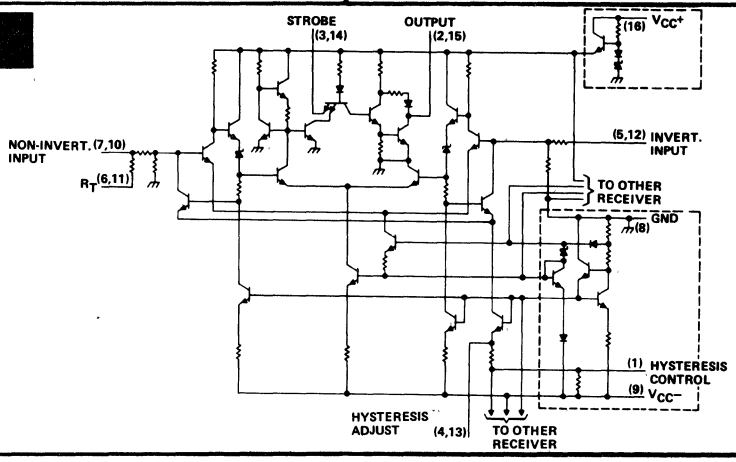
K22-38



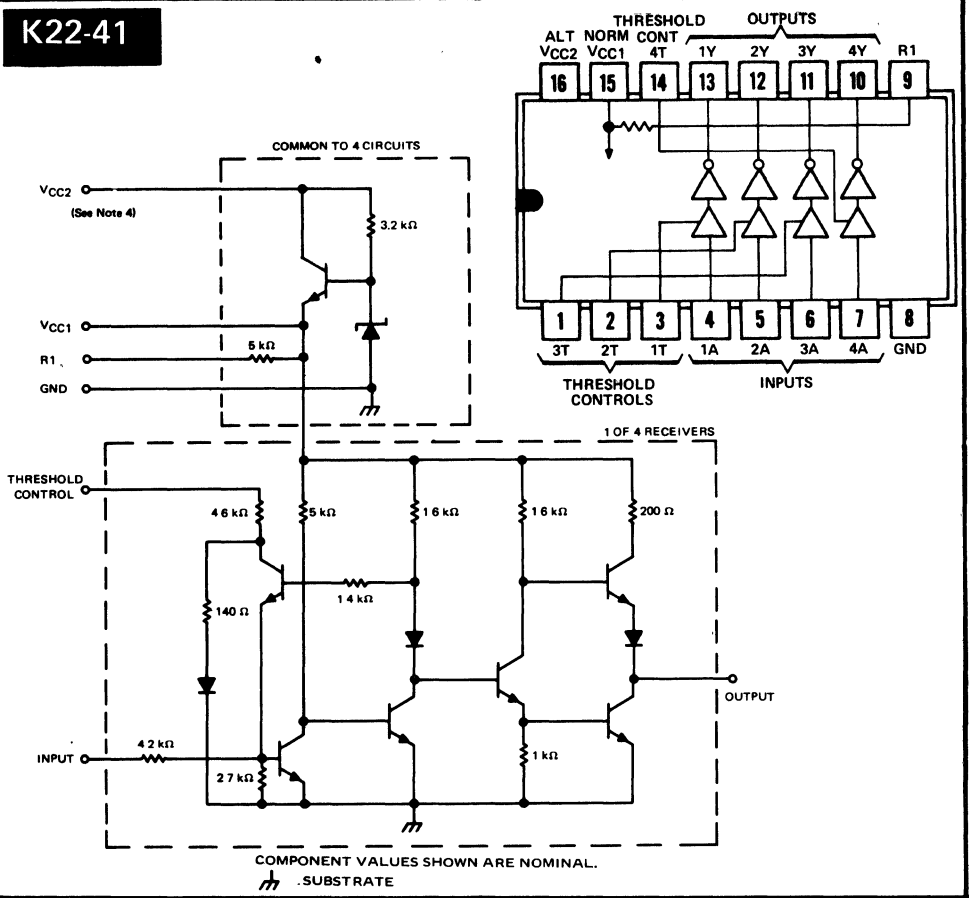
K22-39



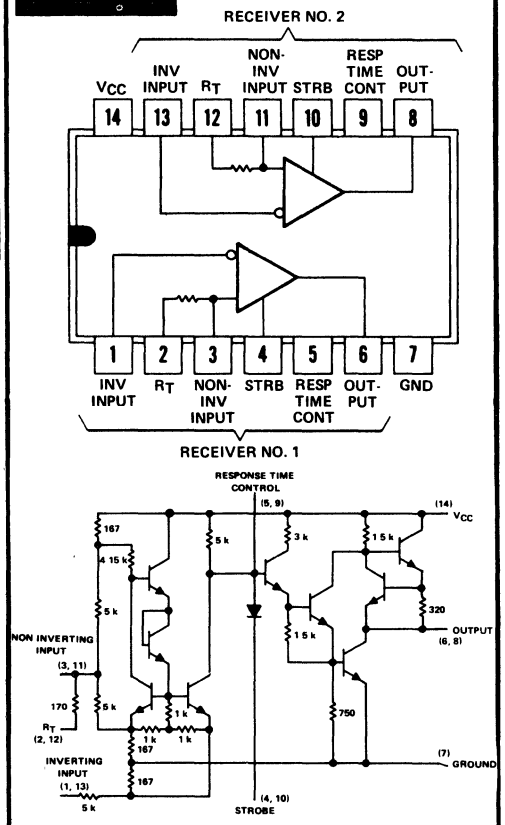
K22-40



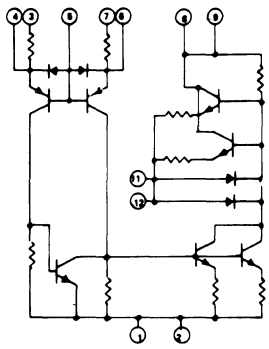
K22-41



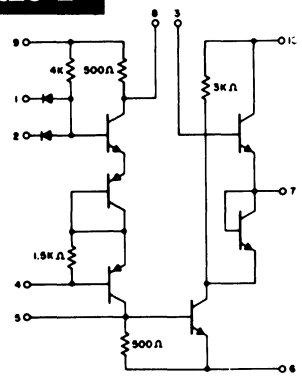
K22-42



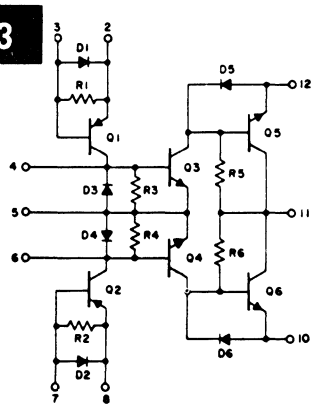
K23-1



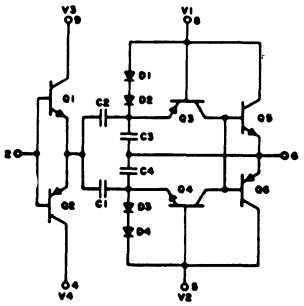
K23-2



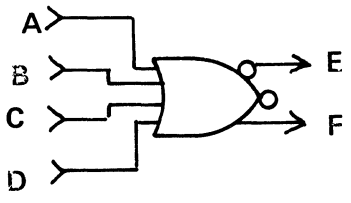
K23-3



K23-4

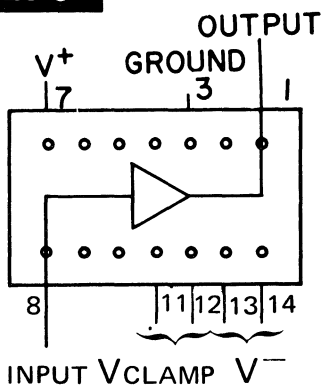


K23-5

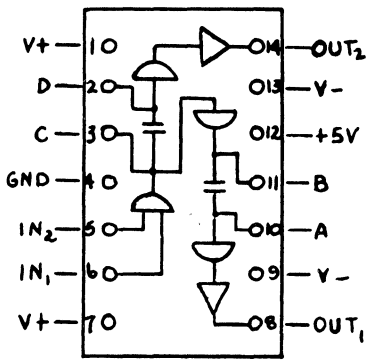


	CKT NO	A	B	C	D	E	F
K23-5	1	2	3	4	5	6	1
	2	9	10	11	12	8	13
K23-5a	1	4	5	6		3	2
	2	8	9	10	11	12	13

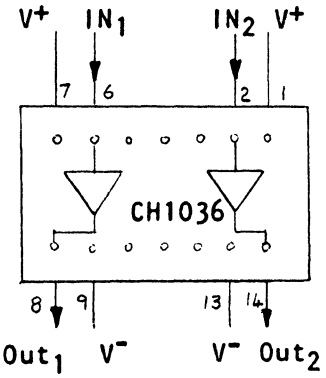
K23-6



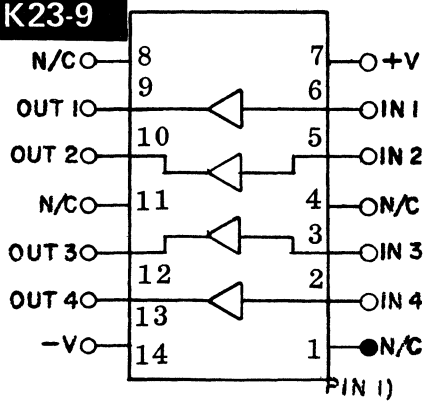
K23-7



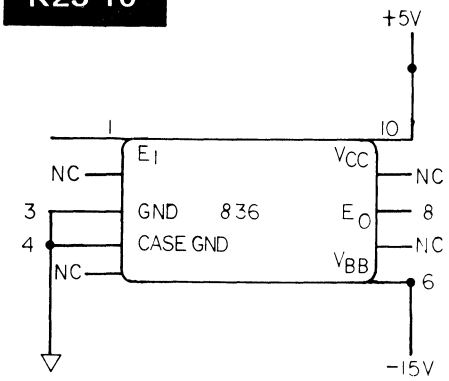
K23-8



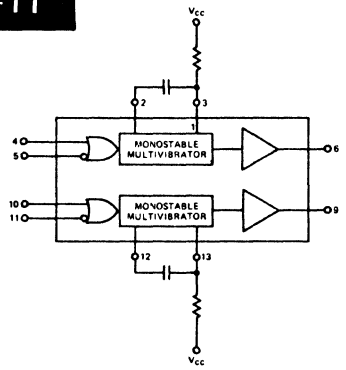
K23-9



K23-10

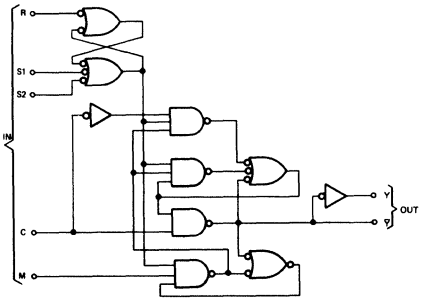


K23-11



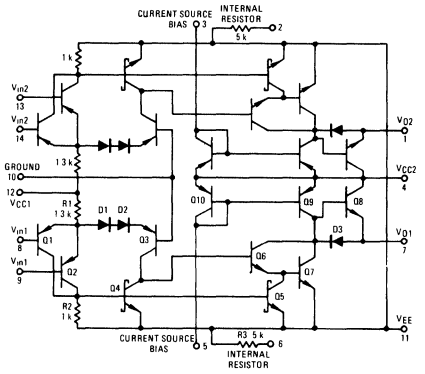
FOR K23-11a, PIN 10 IS CONNECTED LOW (LOGIC 0) INTERNALLY

K23-12

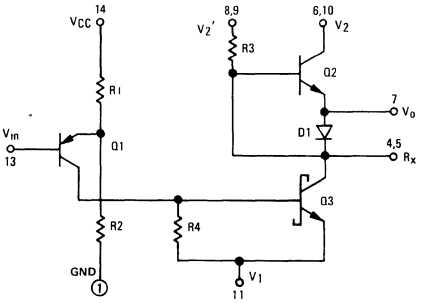


	CKT	R	S1	S2	C	M	Y	Y	GND	VCC
K23-12	1	4	2	3	5	1	6	7	8	16
	2	12	13	14	11	15	10	9		

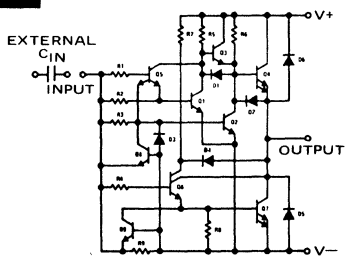
K23-13



K23-14

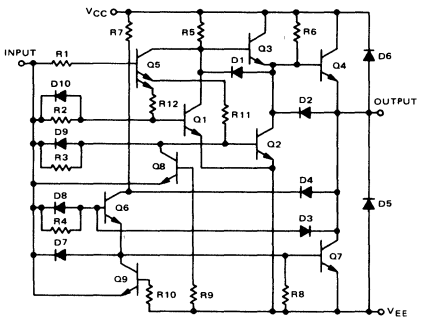


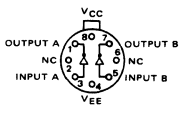
K23-15



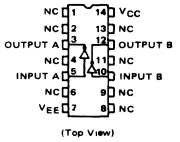
	PKG	CKT	INP	OUTP	V	V-
K23-15	CN	1	3	1	8	4
		2	5	7		
	MP	1	2	7	6	3
		2	4	5		
K23-15a	CN	1	4	12	11	5
		2	6	10		

K23-16

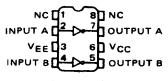




(Top View)

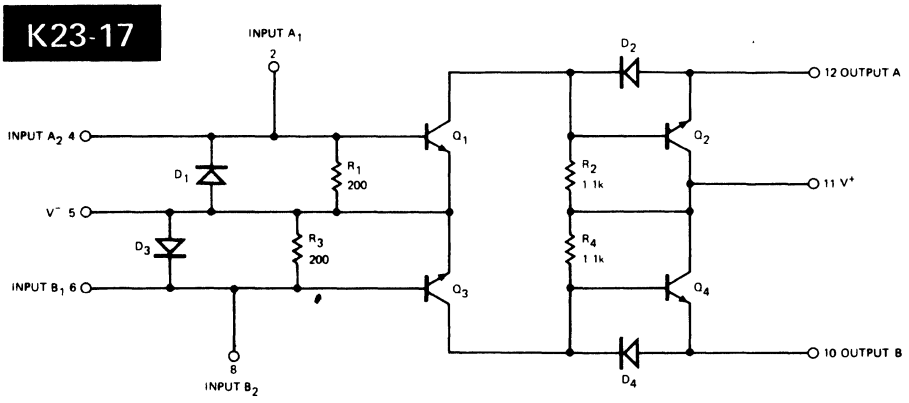


(Top View)

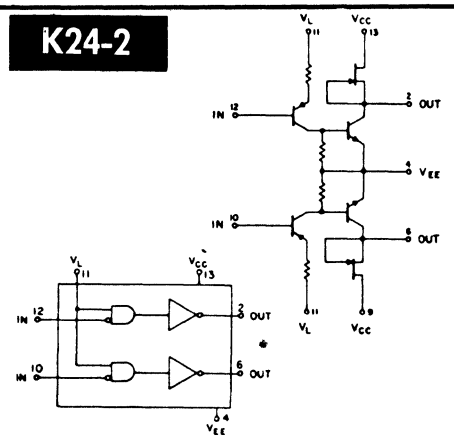


(Top View)

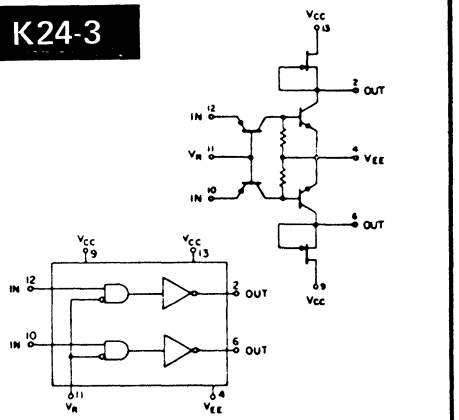
K23-17



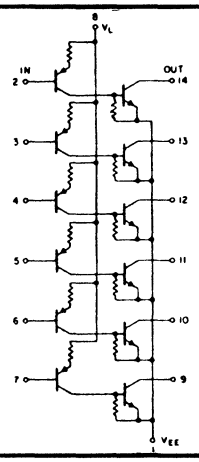
K24-2



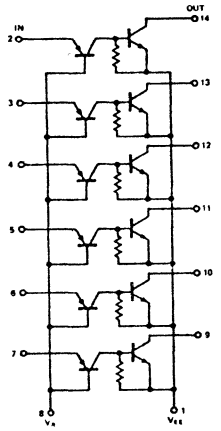
K24-3



K24-7



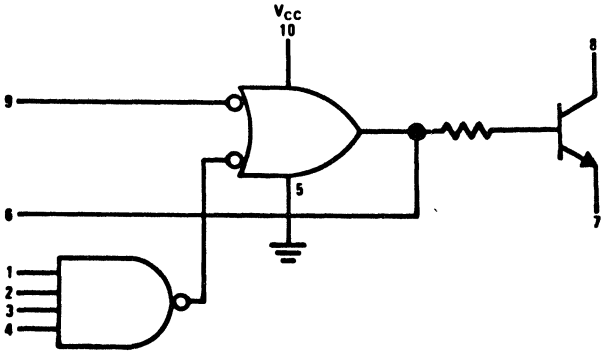
K24-8



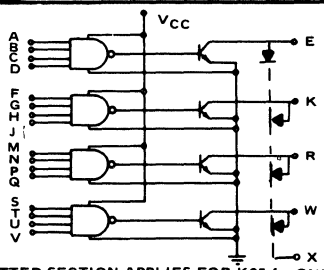
SECTION 12. LOGIC DRAWING

IN DRAWING NUMBER SEQUENCE

K25-1



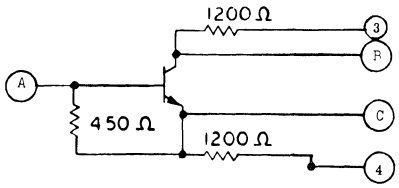
K25-2



DOTTED SECTION APPLIES FOR K25-f,g ONLY

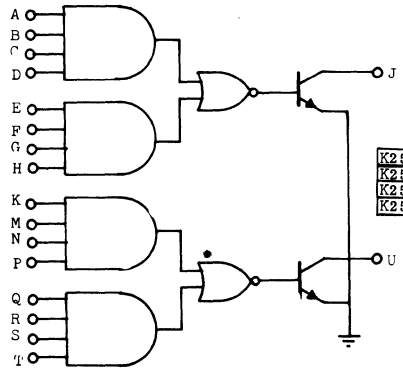
	A	B	C	D	E	F	G	H	J	K	M	N	P	Q	R	S	T	U	V	W	VCC	COM	X
K25-2	2	3			1	5	6			7	9	10			8	12	13			14	4	11	
K25-2a	1	2			3	6	7			5	9	10			8	12	13			14	4	11	
K25-2b	1	2			3	4	5			6	9	10			8	12	13			11	14	7	
K25-2c	1	12	13	14	2	6	7	8	9	10											4	11	
K25-2d	1	2	4	5	6	9	10	12	13	8											14	7	
K25-2e	2	3			1	5	6			4	8	9		10	11	12				13	14	7	
K25-2f	1	14			13	3	5			2	5	6		7	8	9				10	4	11	12
K25-2g	1	2			3	4	5			6	10	11		9	13	1				12	14	7	8
K25-2h	1	14	13	12	2	6	7	8	9	5											4	11	

K25-4



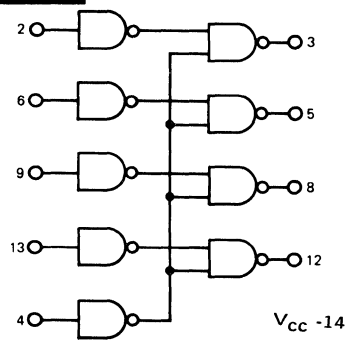
	CKT	A	B	C
K25-4	1	1	13	14
	2	2	11	12
	3	5	9	10
	4	6	7	8

K25-5



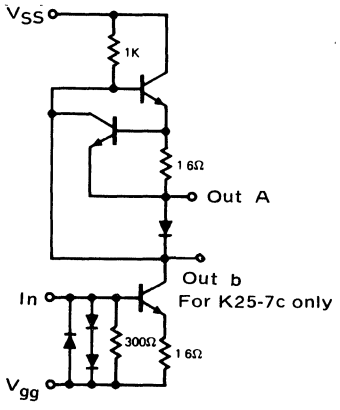
	A	B	C	D	E	F	G	H	J	K	M	N	P	Q	R	S	T	U	VCC	COM
K25-5	3	5			13	14			12	6	7			8	9			10	4	11
K25-5a	2	3			4	5			6	9	10			13	1			8	14	7
K25-5b	4	5			1	2	3		6	9	10	11		12	13			8	14	7
K25-5c	2	3			13	14			12	5	6	7		8	9			10	4	11

K25-6

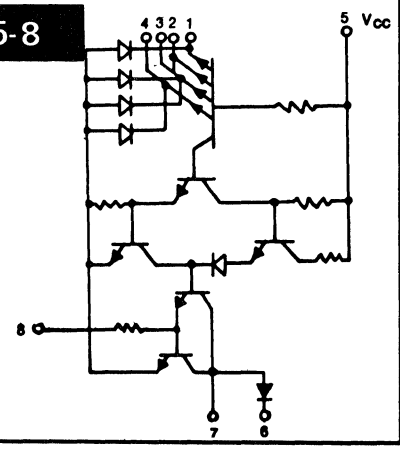


K25-7

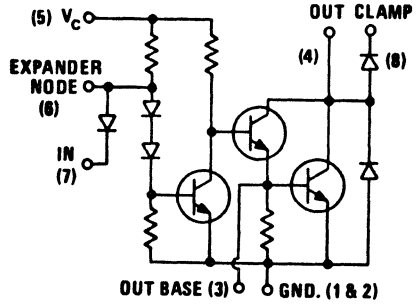
	PCKG	CKT	VSS	IN	VGG	OUT A	OUT B
K25-7	MP	1	14	6	7	1	
		2		5		3	
		3		8		12	
		4		9		10	
K25-7a	CN	1	11	2	5	1	
		2		4		12	
		3		6		10	
		4		8		9	
K25-7b	MP	1	14	5	7	3	
		2		10		12	
K25-7c	CN	1	11	4	5	12	2
		2		6		10	8



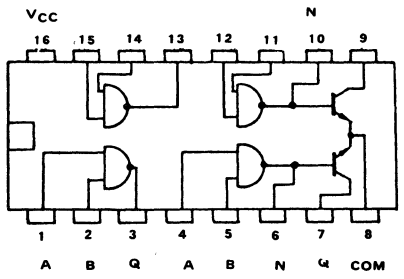
K25-8



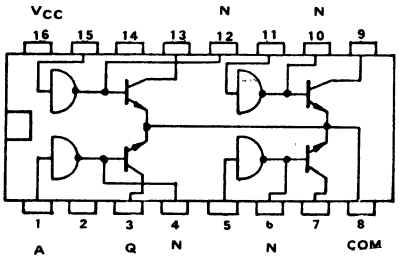
K25-9



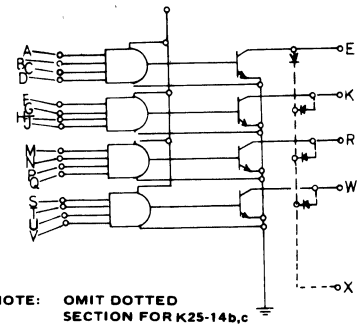
K25-12



K25-13



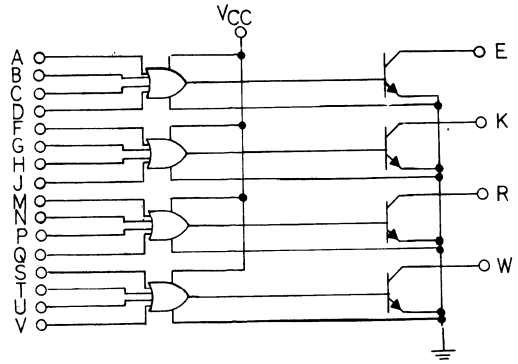
K25-14



NOTE: OMIT DOTTED SECTION FOR K25-14b,c

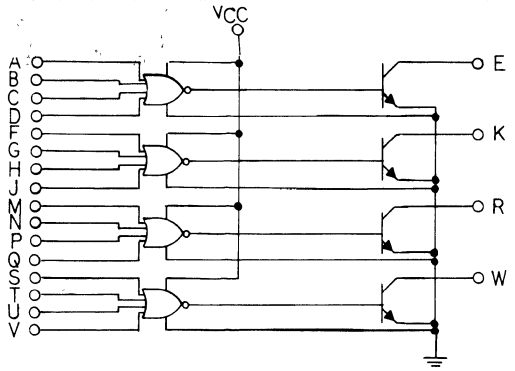
	A	B	C	D	E	F	G	H	J	K	M	N	P	Q	R	S	T	U	V	W	X	VCC	COM
K25-14	1	14			13	3	5			2	5	6			7	8	9			10	12	4	11
K25-14a	1	2			3	4	5			6	10	11			9	1	13			12	8	14	7
K25-14b	1	2			3	6	7			5	7	10			8	12	13			14		4	11
K25-14c	1	2			3	4	5			6	9	10			8	12	13			11		14	7

K25-15



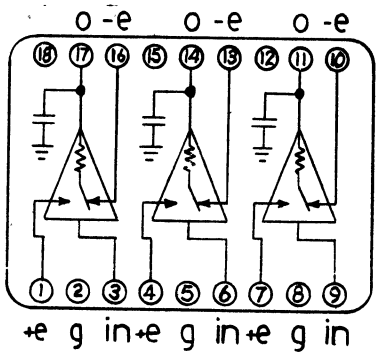
	A	B	C	D	E	F	G	H	J	K	M	N	P	Q	R	S	T	U	V	W	VCC	COM
K25-15	1	2			3	6	7			5	9	10			8	12	13			14	4	11
K25-15a	1	2			3	4	5			6	9	10			8	12	13			11	14	7

K25-16

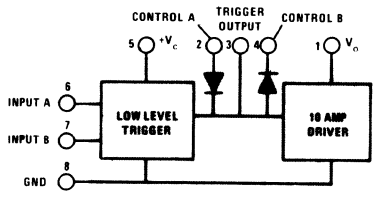


	A	B	C	D	E	F	G	H	J	K	M	N	P	Q	R	S	T	U	V	W	VCC	COM
K25-16	1	2			3	6	7			5	9	10			8	12	13			14	4	11
K25-16a	2	3			1	5	6			4	8	9			10	11	12			13	14	7

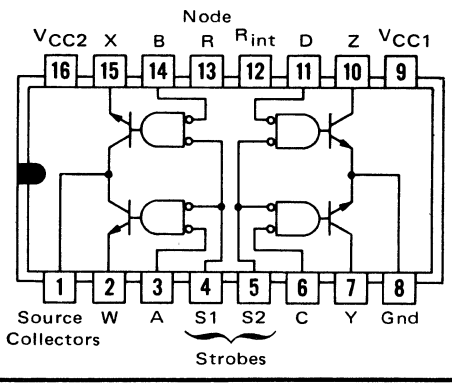
K25-17



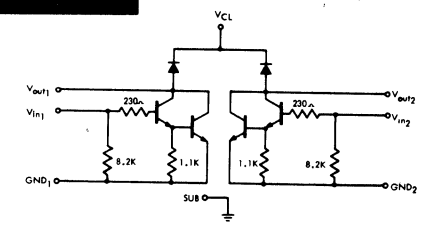
K25-18



K25-19

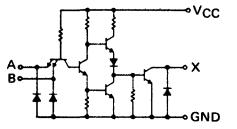


K25-20

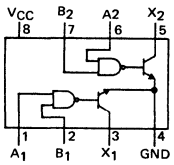


	PKG	VIN 1	VIN 2	VOUT 1	VOUT 2	GND 1	GND 2	VCL	SUB
K25-20	CN	4	12	6	10	3	1	8	7
	MP	3	12	2	13	4	10	14	7

K25-21

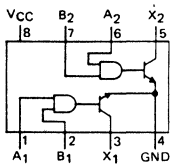


NOTE 1/2 OF UNIT SHOWN

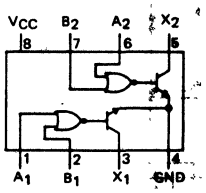


TOP VIEW

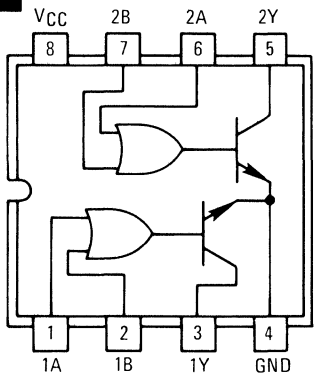
K25-22



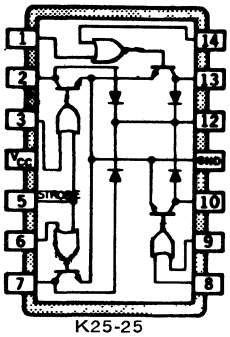
K25-23



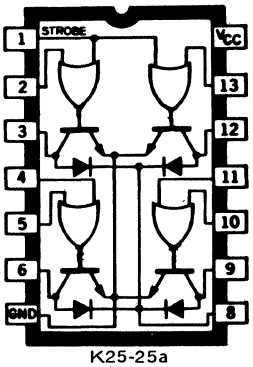
K25-24



K25-25

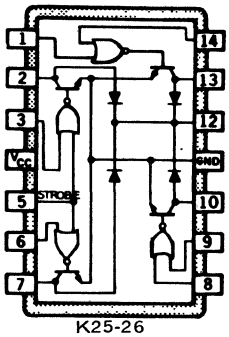


K25-25

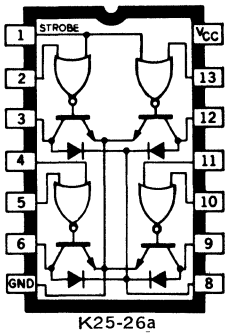


K25-25a

K25-26

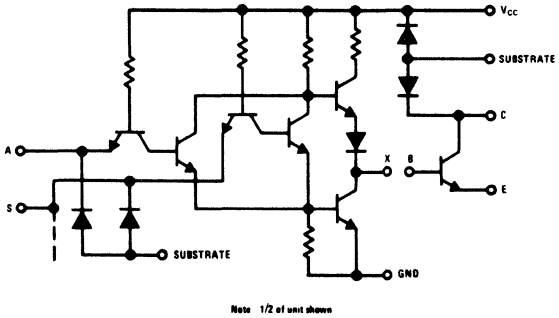


K25-26

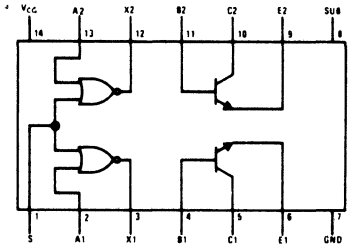


K25-26a

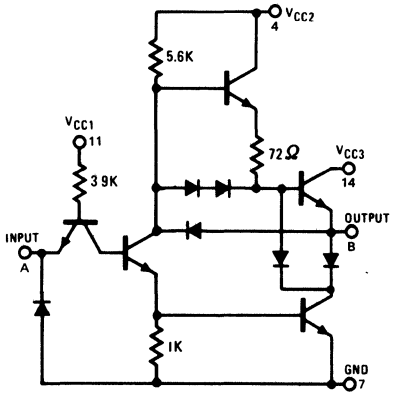
K25-27



Note 1/2 of unit shown

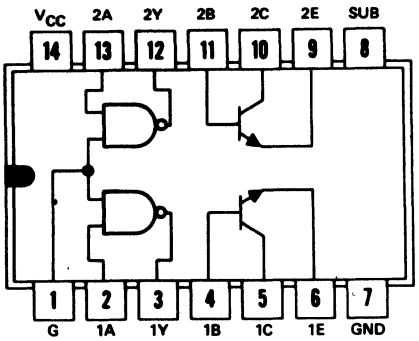


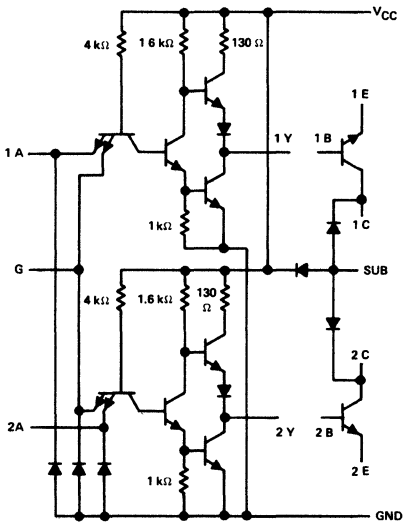
K25-28



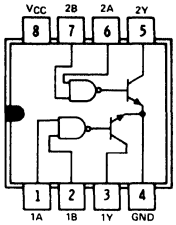
	CKT	A	B
K25-28	1	2	3
	2	6	5
	3	9	10
	4	13	12

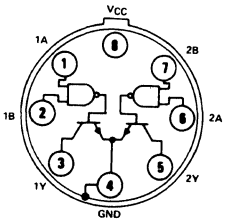
K25-29

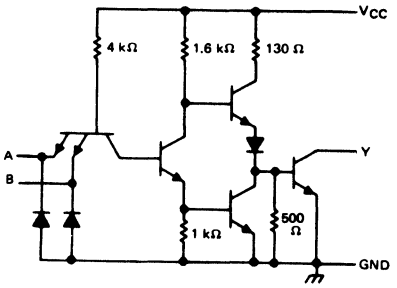




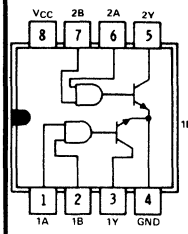
K25-30

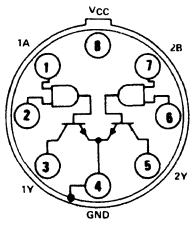


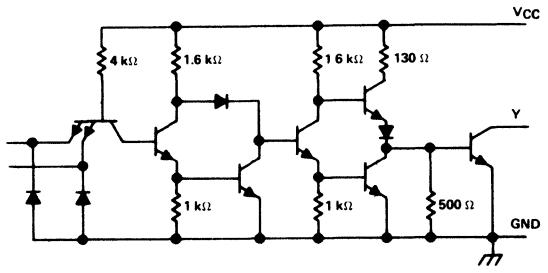




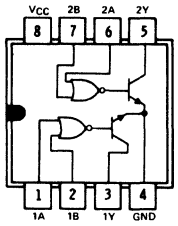
K25-31

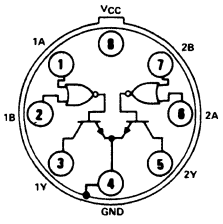


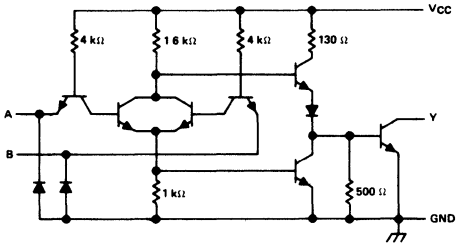




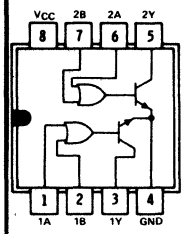
K25-32

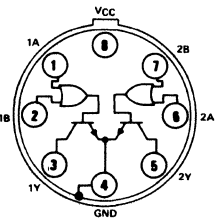


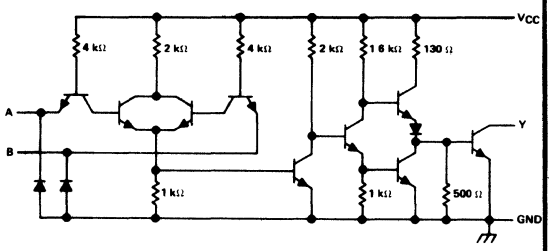




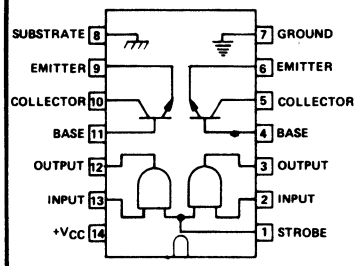
K25-33

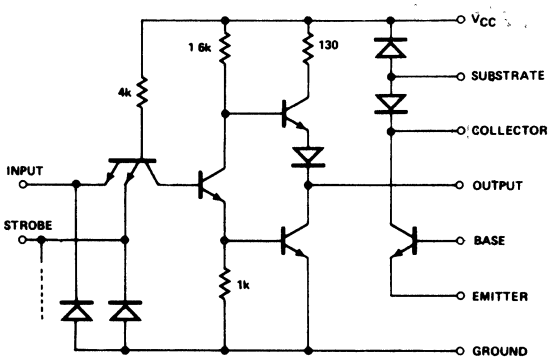






K25-34

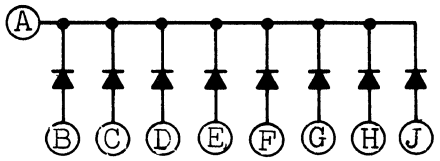




K26-1

	A	B	C	D	E	F	G	H	J
K26-1	10	2	3	4	5	6	7	8	9
K26-1a	4	1	2	3	5	6	7	8	9
K26-1b	4	1	2	3	5	6	7	8	
K26-1c	4	1	2	3	5	7	8		
K26-1d	4	1	3	5	7	8			
K26-1e	4	1	3	5	7				
K26-1f	3	1	2	4					
K26-1g	5	1	3	7					
K26-1h	2	1	3						
K26-1j	5	1	3						
K26-1k	14	2	3	5	7	8	9	11	12

NOTE: EMPTY BLOCKS ON CHART INDICATE THE DIODES CONNECTED TO THAT PIN ARE NOT IN THE CIRCUIT.

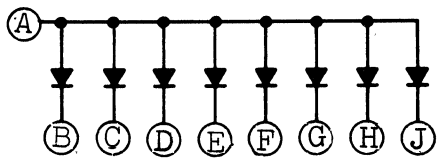


COMMON CATHODE

K26-2

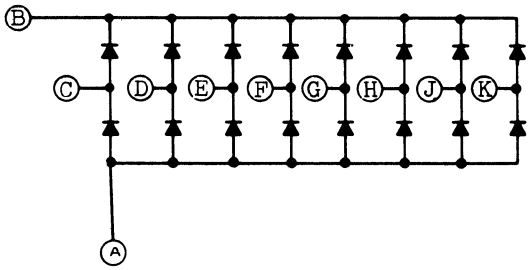
NOTE: EMPTY BLOCKS ON CHART INDICATE THE DIODES CONNECTED TO THAT PIN ARE NOT IN THE CIRCUIT.

	A	B	C	D	E	F	G	H	J
K26-2	10	2	3	4	5	6	7	8	9
K26-2a	4	1	2	3	5	6	7	8	9
K26-2b	4	1	2	3	5	6	7	8	
K26-2c	4	1	2	3	5	7	8		
K26-2d	4	1	3	5	7	8			
K26-2e	4	1	3	5	7				
K26-2f	3	1	2	4					
K26-2g	5	1	3	7					
K26-2h	3	1	2						
K26-2j	5	1	3						
K26-2k	14	2	3	5	7	8	9	11	12



COMMON ANODE

K26-3

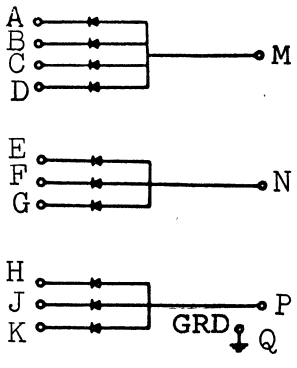


	CKT	A	B	C	D	E	F	G	H	J	K
K26-3	1	1	10	2	3	4	5	6	7	8	9
K26-3a	1	14	1	2	3	5	7	8	9	11	12
K26-3b	1	5	10	1	2	3	4	6	7	8	9
K26-3c	1	5	10	1	4	6	9				
K26-3d	1	5	10	1	4	6					
K26-3e	1	1	3	2	4						
K26-3f	1	1	5	3	7						
K26-3g	1	1	3	2							
K26-3h	1	1	5	3							
K26-3j	1	14	1	2	3	11	12				
K26-3k	1	7	8	4	5	9	10				
K26-3m	1	2	1	3	4	12	13	14			
	2	6	7	5	8	9	10	11			
K26-3n	1	14	1	2	3	11	12				
	2	7	8	4	5	9	10				
K26-3p	1	14	1	2	3	4	5	9	10	11	12
K26-3q	1	1	2	3	4						
	2	8	7	5	6						
	3	9	10	11	12						
	4	16	15	13	14						

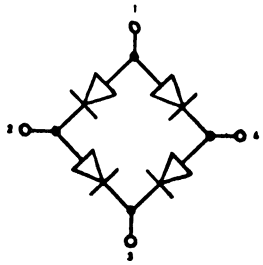
K26-5

	A	B	C	D	E	F	G	H	J	K	M	N	P	Q
K26-5	10	11	12	13	2	3	4	5	7	8	9	1	6	14
K26-5a	1	2	3	5				7	8	9	12		6	10
K26-5b	2	3	4	5				7	8	9	1		6	10
K26-5c	10	11	12	13				2	3	4	9		1	14

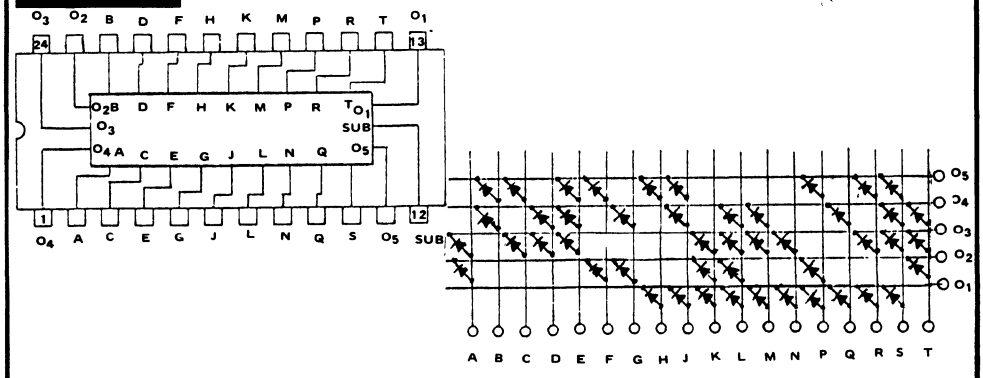
NOTE: EMPTY BLOCKS ON CHART INDICATE THE DIODES CONNECTED TO THAT PIN ARE NOT IN THE CIRCUIT.



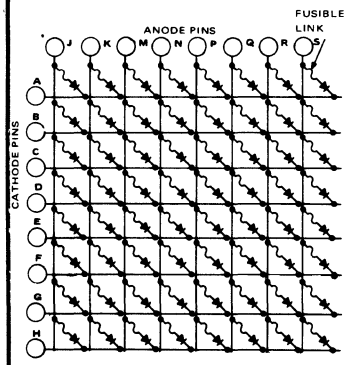
K26-6



K26-7

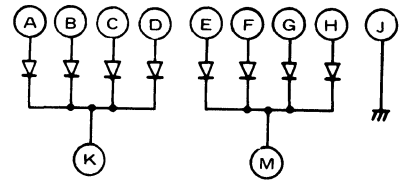


K26-8



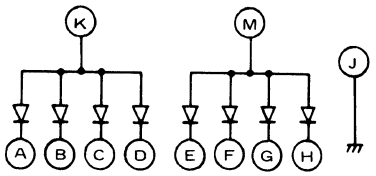
	A	B	C	D	E	F	G	H	J	K	M	N	P	Q	R	S	NO CONNECTION
K26-8	2	3	4	5	6	NA	NA	NA	1	7	14	8	13	NA	NA	NA	9,10,11,12
K26-8a	2	3	11	4	5	6	NA	NA	1	7	14	8	13	9	NA	NA	10,12
K26-8b	2	3	11	4	5	6	NA	NA	1	7	14	8	13	9	12	10	
K26-8c	2	12	3	11	4	10	5	6	1	7	14	8	13	NA	NA	NA	9
K26-8d	2	12	3	11	4	10	5	6	1	7	14	8	13	9	NA	NA	

K26-9



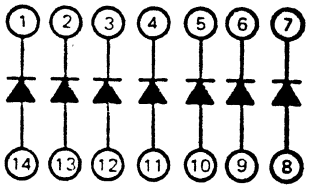
	A	B	C	D	E	F	G	H	J	K	M
K26-9	2	3	4	5	9	10	11	12	13	1	14
K26-9a	2	3	4	5	6	7	8	9		1	10
K26-9b	2	3	5	7	8	9	11	12		1	14

K26-10

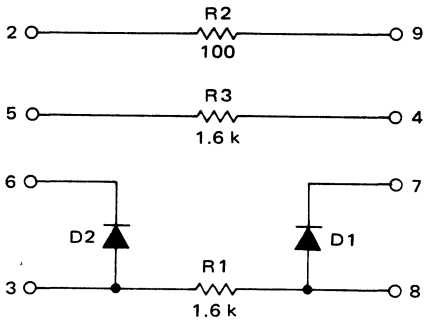


	A	B	C	D	E	F	G	H	J	K	M
K26-10	2	3	4	5	9	10	11	12	13	1	14
K26-10a	2	3	4	5	6	7	8	9		1	10
K26-10b	2	3	5	7	8	9	11	12		1	14

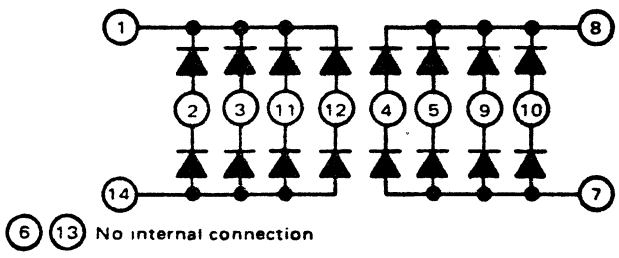
K26-11



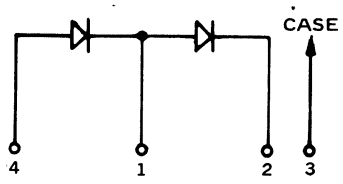
K26-12



K26-13

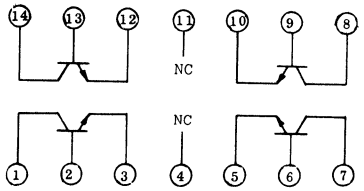


K26-14

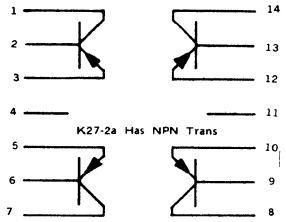


K27-1

K27-1a HAS PNP TRANS.



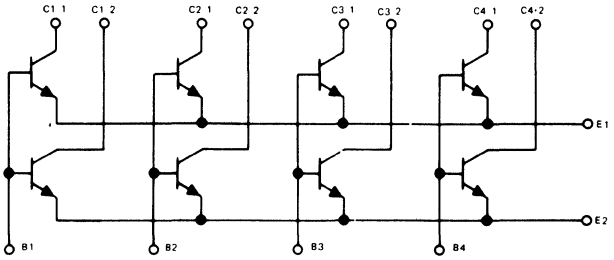
K27-2



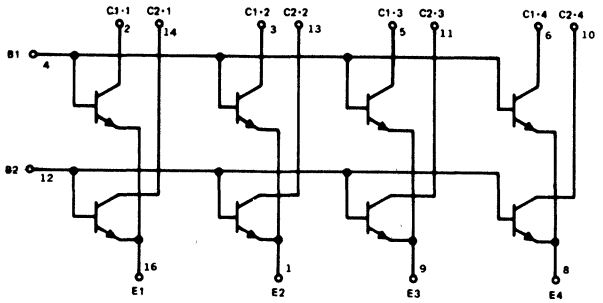
K27-2a Has NPN Trans

K27-3

	C1-1	C1-2	C2-2	C3-1	C3-2	C4-1	C4-2	B1	B2	B3	B4	E1	E2
K27-3	1	13	12	6	10	7	9	14	3	5	8	4	11
	2	15	14	6	11	7	10	16	12	4	8	5	13

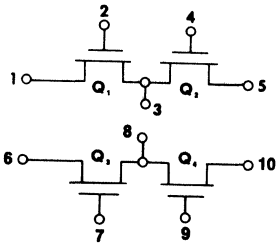


K27-4



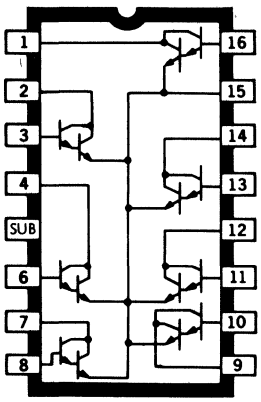
K27-6

CONNECTION DIAGRAM

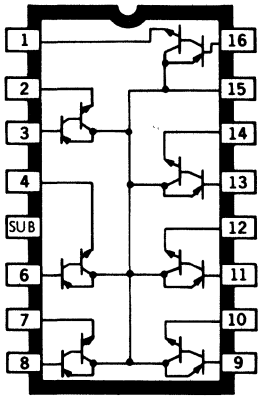


1 Drain 1
2 Gate 1
3 Source 1, 2
4 Gate 2
5 Drain 2
6 Drain 3
7 Gate 3
8 Source 3, 4
9 Gate 4
10 Drain 4

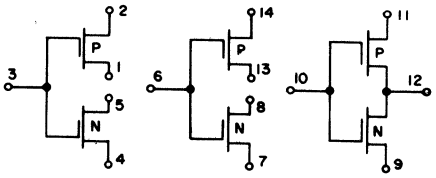
K27-12



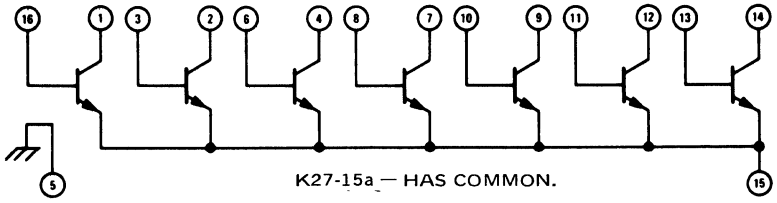
K27-13



K27-14

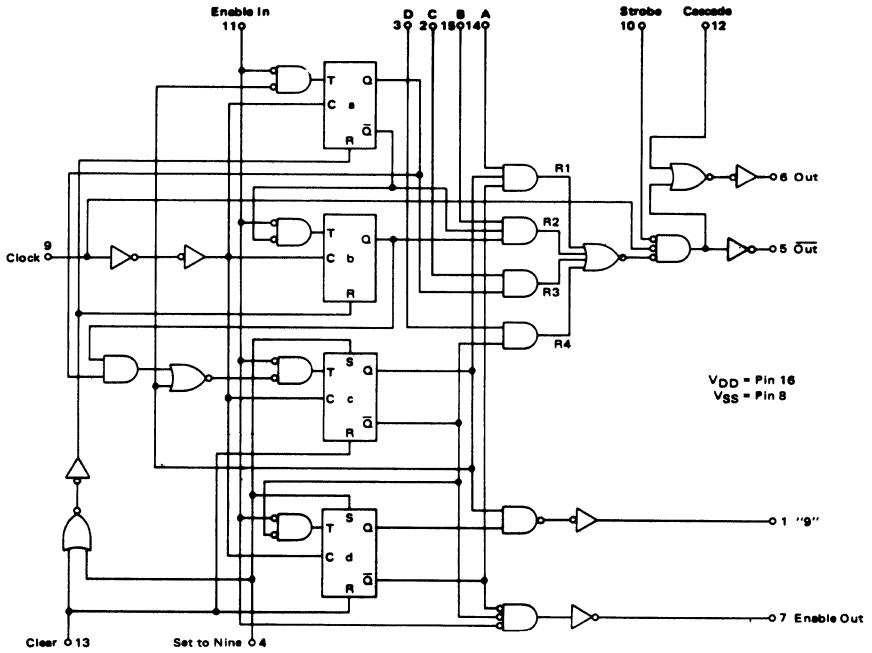


K27-15

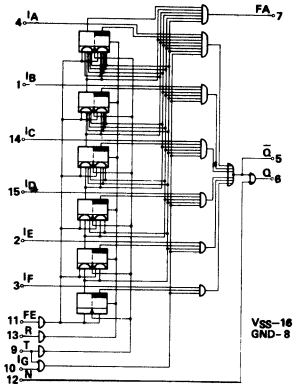


K27-15a — HAS COMMON.

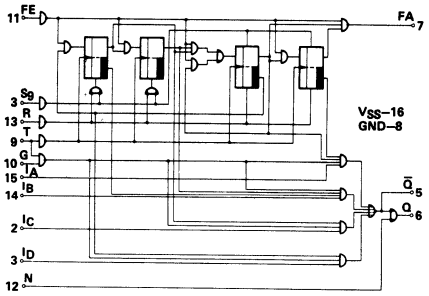
K28-1



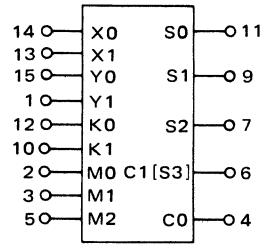
K28-2



K28-3

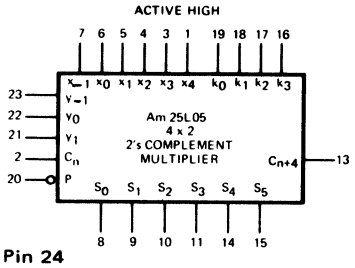


K28-4

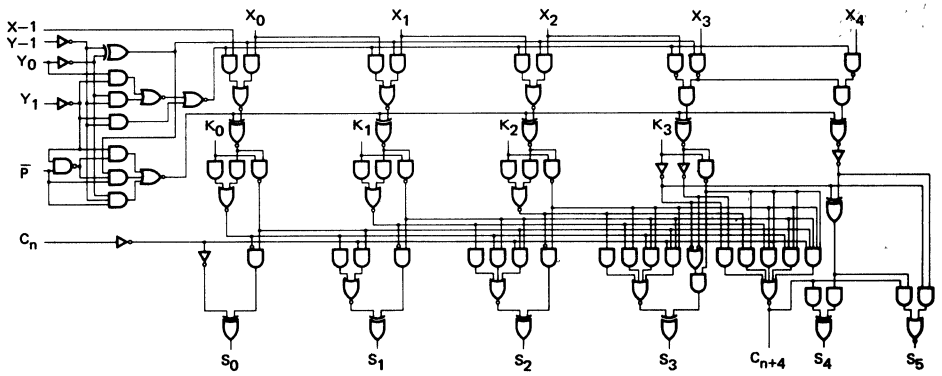


V_{DD} = Pin 16
V_{SS} = Pin 8

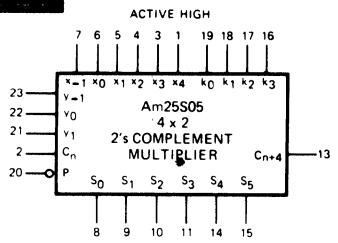
K28-5



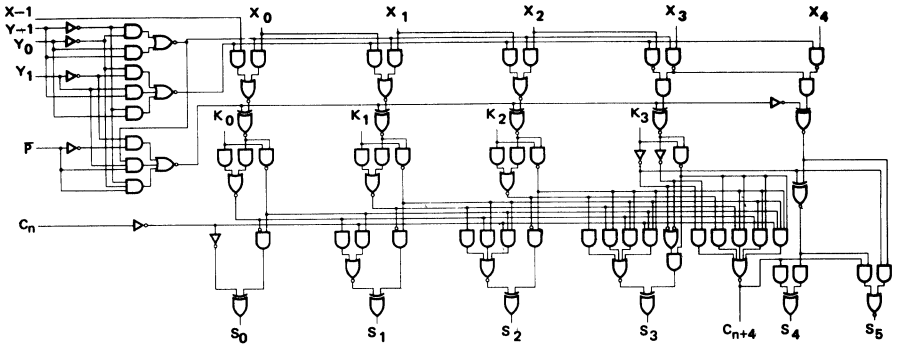
V_{CC} = Pin 24
GND = Pin 12



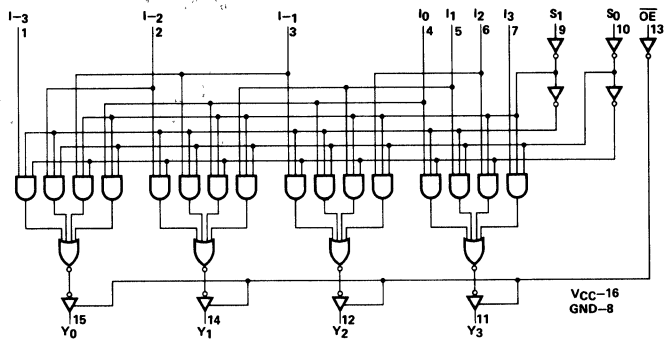
K28-6



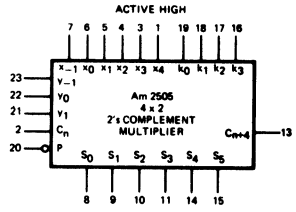
V_{CC} = Pin 24
GND = Pin 12



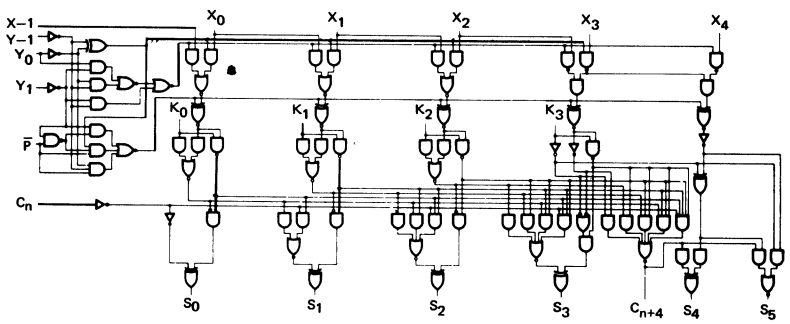
K28-7



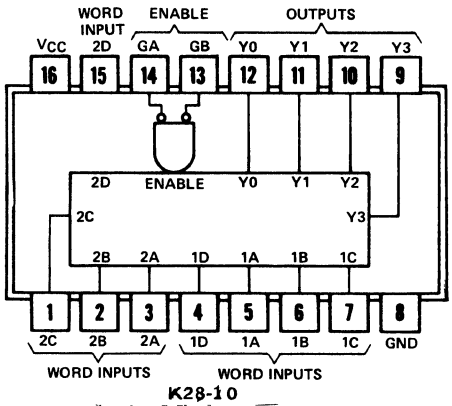
K28-8



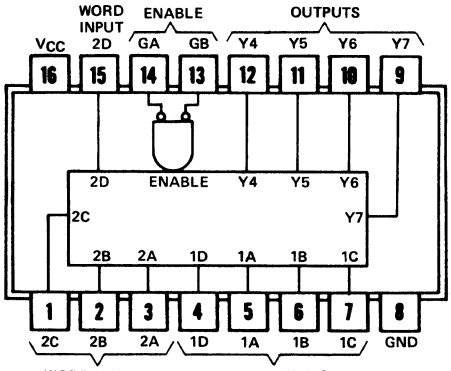
V_{CC} = PIN 24
GND = PIN 12



K28-10

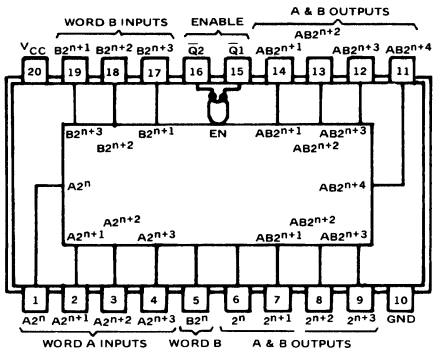


K28-10

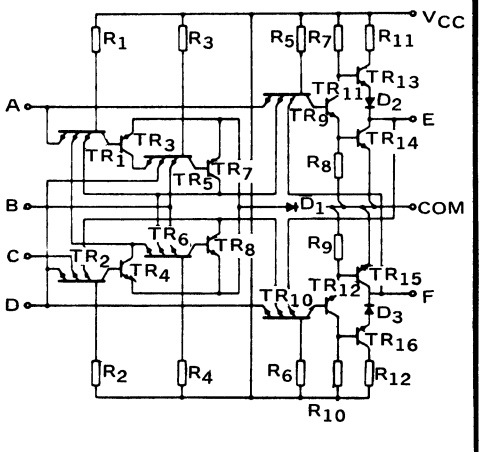


K28-10a

K28-11

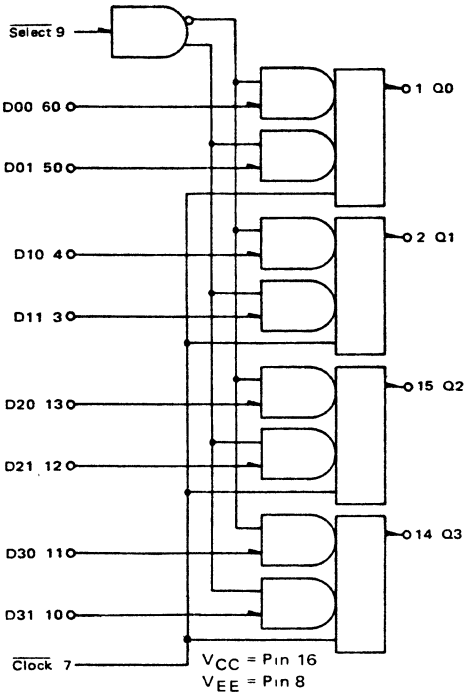


K30-1

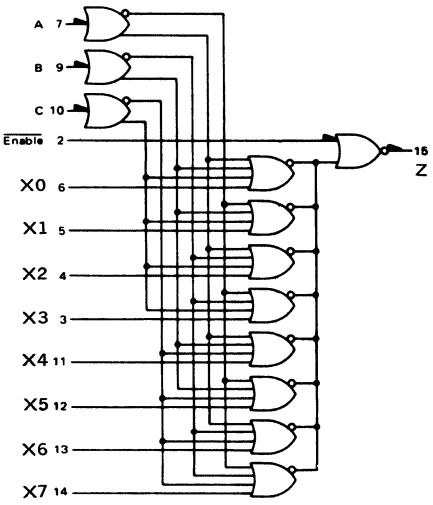


	CKT	A	B	C	D	E	F	COM	VCC
K30-1	1	4	3	2	1	5	6	7	14
	2	10	11	12	13	9	8		

K30-2

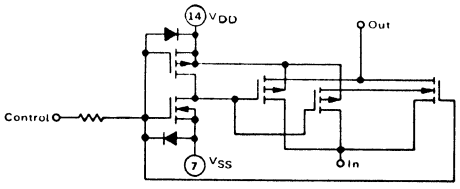


K30-3

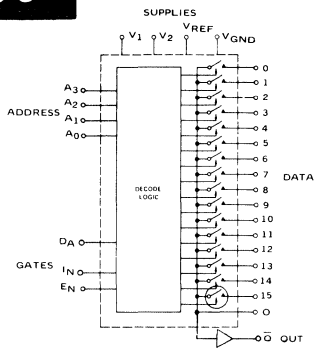


K30-4

	CKT	CONTROL	IN	OUT
K30-4	1	13	1	2
	2	5	4	3
	3	6	8	9
	4	12	11	10

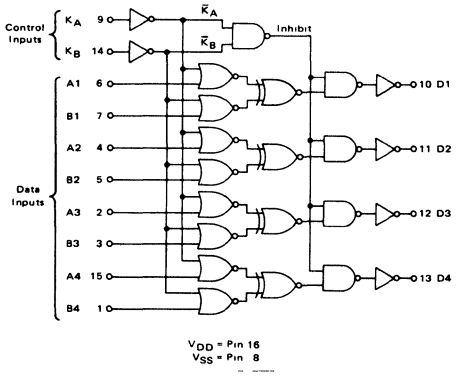


K30-5

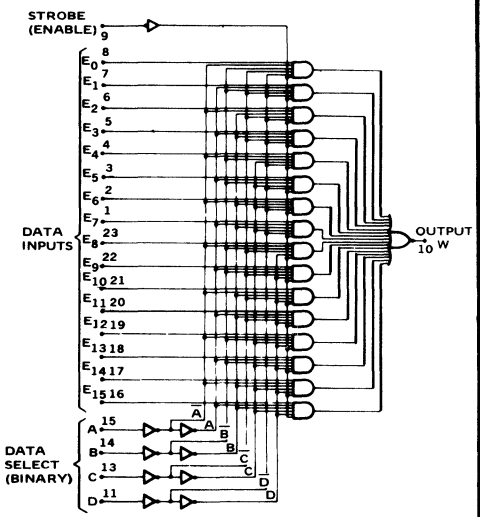


	CKT	INPUTS ADDRESS A0	A1	A2	A3	DATA 0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	OUTPUTS O	Ō	GATES EN	IN	DA	SUPPLIES V1	V2	Vref	Grd	SWITCH FUNCTION
K30-5a	1	11	10	9		4	3	2	1	15	14	13	12									5	6			7	16			8	DIGITAL
K30-5b	1	14	15	16		12	11	10	9	8	7	6	5									3		1			24	13			DIGITAL
K30-5c	1	17	16	15	14	19	20	21	22	23	24	25	26	11	10	9	8	7	6	5	4	4		18			1	27	13	12	ANALOG
K30-5d	1	11	12	13		1	2	3	4	5	6	7	9									14		15	10		16	8			ANALOG
K30-5e	1	15	14	13	11	8	7	6	5	4	3	2	1	23	22	21	20	19	18	17	16		10			9	24			12	DIGITAL
K30-5f	1	11	12	13		1	2	3	4	5	6	7	9									15	14		10		16			8	DIGITAL
K30-5g	1	7	9	15		14	2	13	3	12												10			6		1	16		8	ANALOG
K30-5h	1	11	10	9		4	1	2	3	15	14	13	12									5	6	7			16			8	DIGITAL
K30-5k	1	11	12	13		1	2	3	4	5	6	7	9									15	14	10			16				DIGITAL
K30-5m	1	10	9	8		5	4	3	2	1	13	12	11										6	18			14			7	DIGITAL
K30-5n	1	17	16	15		19	20	21	22	23	24	25	26									28		18			1	27	13	12	ANALOG
	2					11	10	9	8	7	6	5	4									2									
K30-5p	1	16	15			12	11	10	9													13		14			1	3	2		ANALOG
	2					8	7	6	5													4									
K30-5r	1	6	9			2	3	4	5													7		10			1	16		8	ANALOG
	2					14	13	12	11													15									
K30-5s	1	5	3			6	7	8	9													11					4				DIGITAL
	2					2	1	14	13													12									

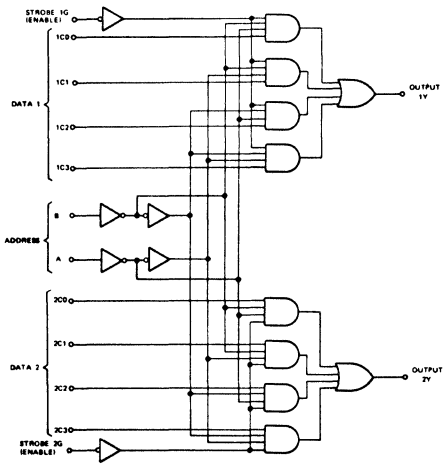
K30-6



K30-7

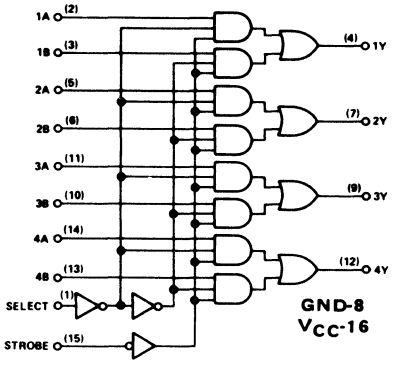


K30-8

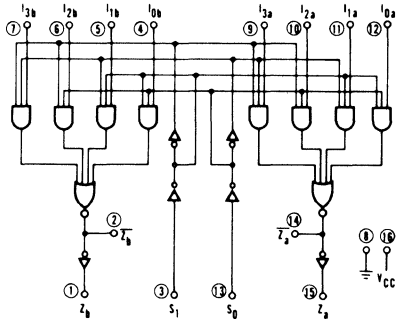


	STROBE 1G	2G	DATA 1 0	1	2	3	ADDRESS B	A	DATA 2 0	1	2	3	OUTPUT 1Y	2Y	VCC	GND
K30-8	1	15	6	5	4	3	2	14	10	11	12	13	7	9	16	8
K30-8a	7	9	4	3	2	1	10	11	15	14	13	12	5	6	16	8

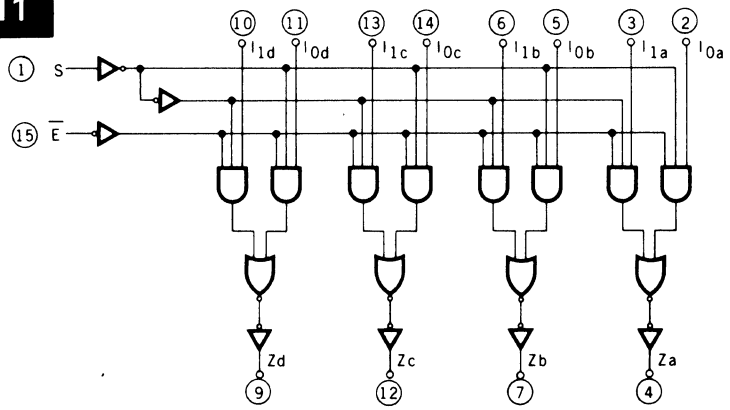
K30-9



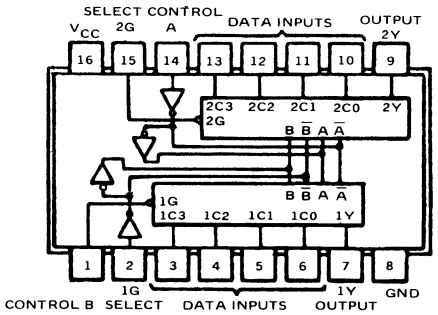
K30-10



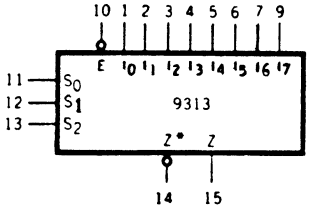
K30-11



K30-12



K30-13

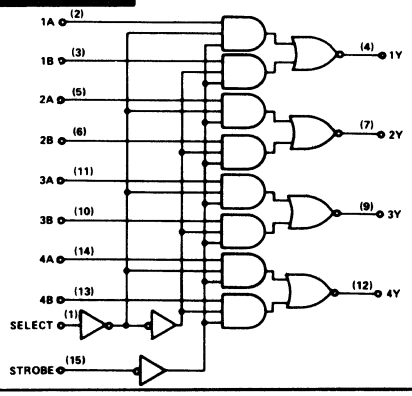


V_{CC} = 16

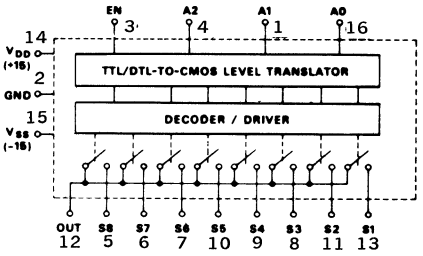
GND = 8

* OPEN COLLECTOR FOR K30-13a ONLY

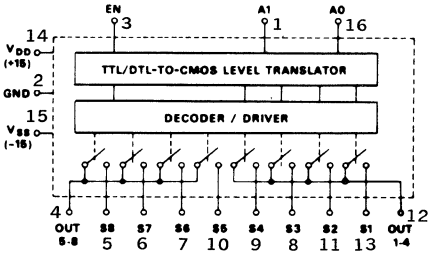
K30-14



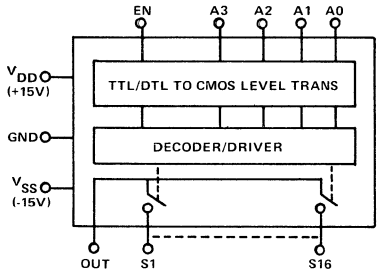
K30-15

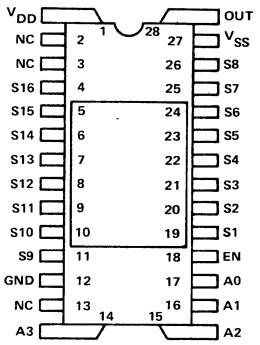


K30-16

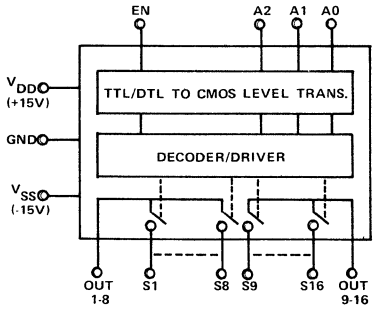


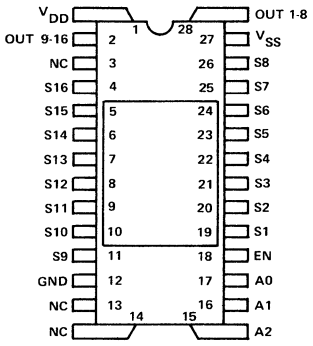
K30-17



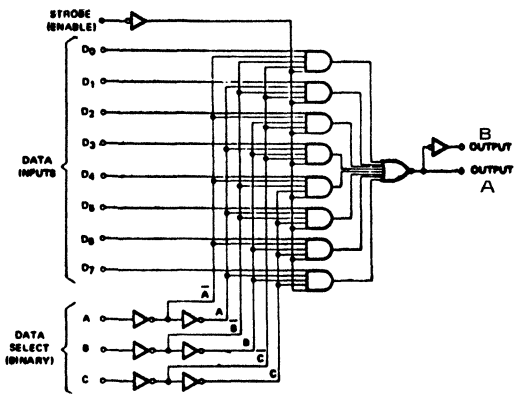


K30-18



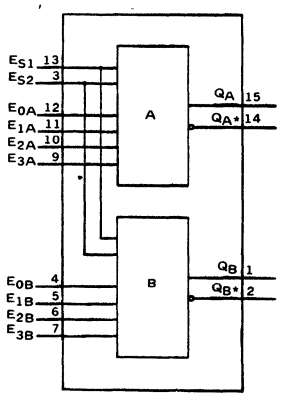


K30-19

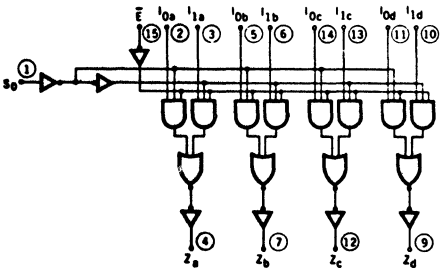


	DATA INPUTS							DATA SELECT			OUTPUT				
	0	1	2	3	4	5	6	7	A	B	C	A	B	STROBE	VCC	GND
K30-19	4	3	2	1	15	14	13	12	11	10	9	5	6	7	14	8
K30-19a	1	2	3	4	5	6	7	9	11	12	13	14	15	10	16	8

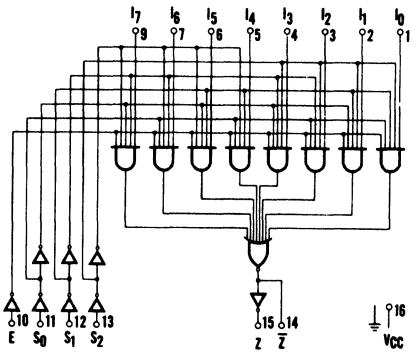
K30-20



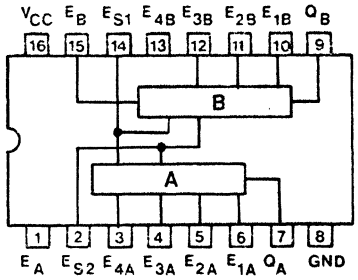
K30-21



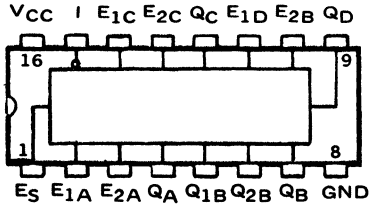
K30-22



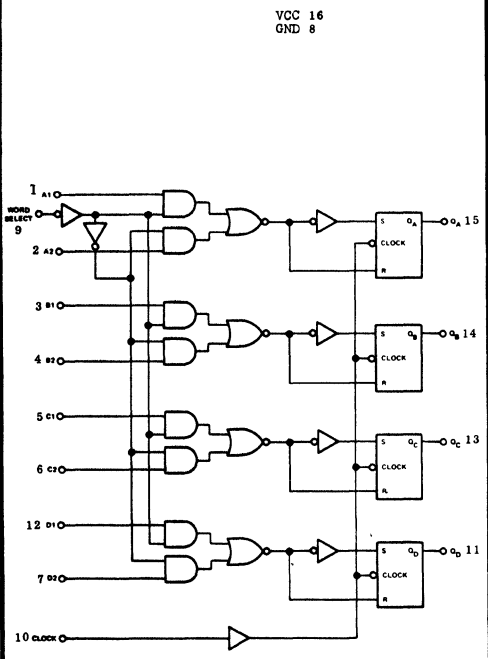
K30-23

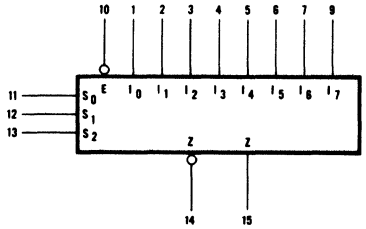


K30-24

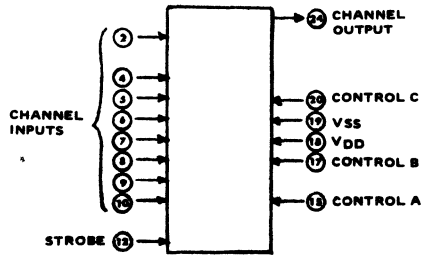


K30-26

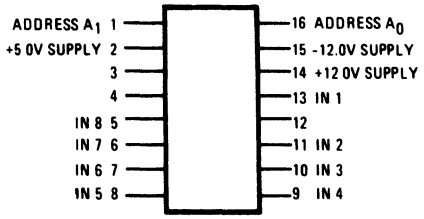




K30-27

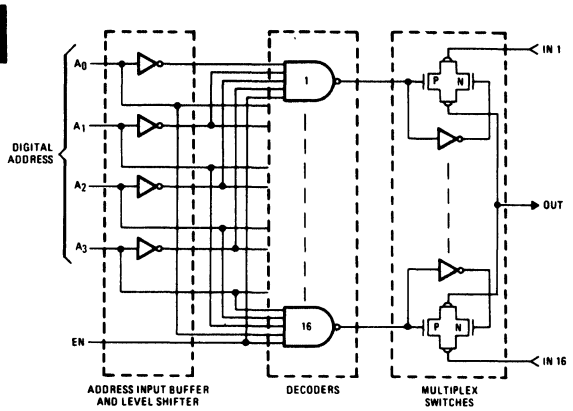


K30-28

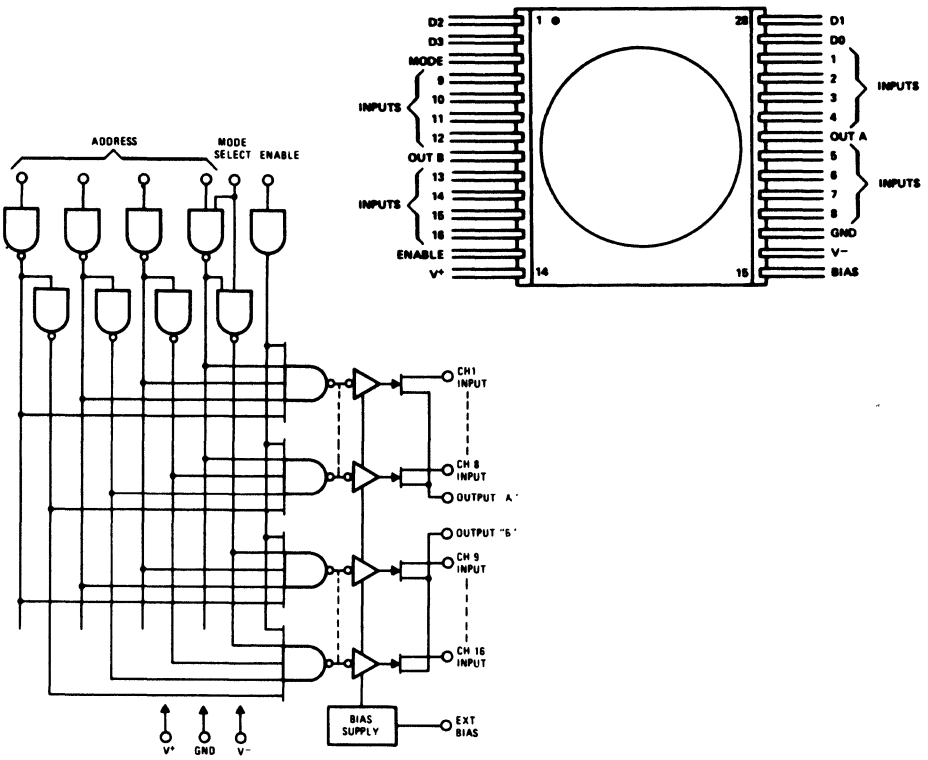


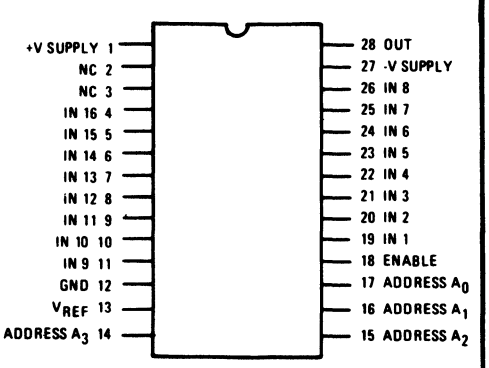
	PIN 3	4	12
K30-28	ENABLE	ADDRESS A2	OUT
K30-28a	ENABLE	OUT 5 THRU 8	OUT 1 THRU 4

K30-29

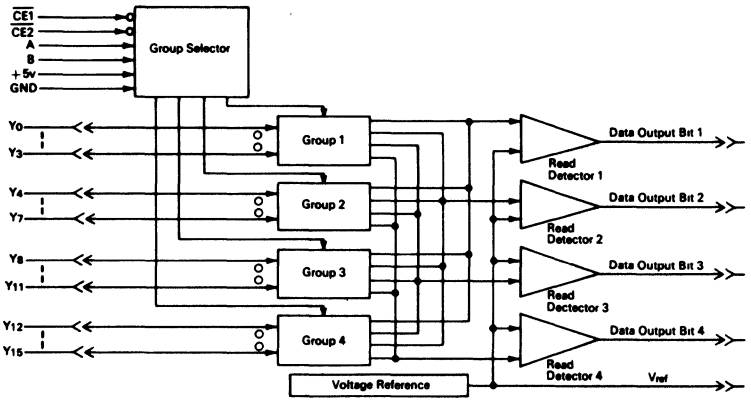


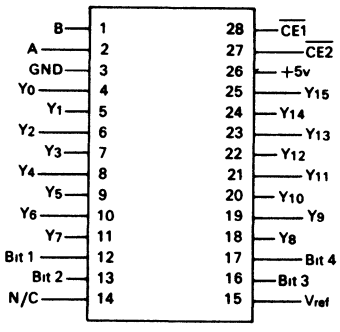
K30-30





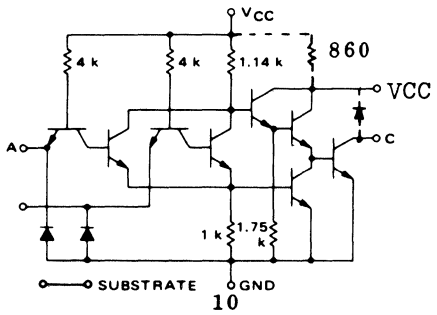
K30-31

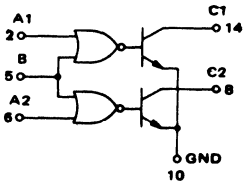




K30-32

DOTTED AREA A ONLY

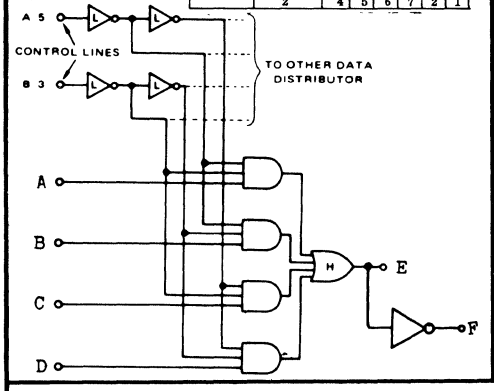




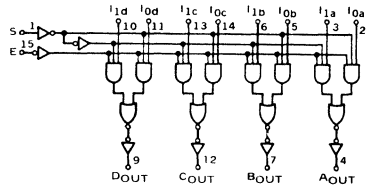
	CKT No.	A	C	VCC
K30-32	1	2	14	2 or 7
	2	6	8	2 or 7
K30-32a	1	2	1	2
	2	6	7	2
	3	9	8	2
	4	13	14	2

K30-33

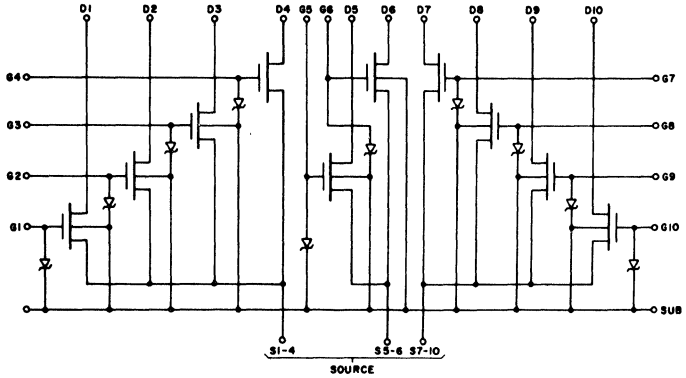
	CKT.NO.	A	B	C	D	E	F
K30-33	1	6	7	8	9	11	
	2	2	1	14	13	12	
K30-33a	1	12	11	10	9	14	15
	2	4	5	6	7	2	1



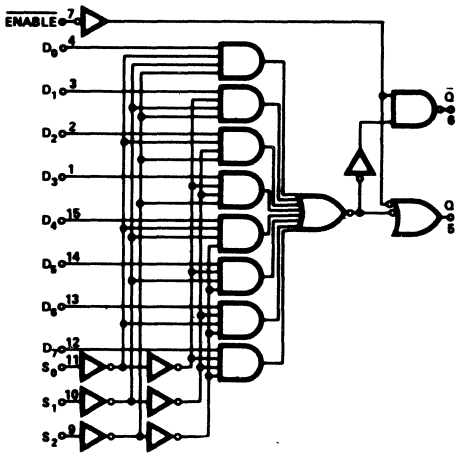
K30-34



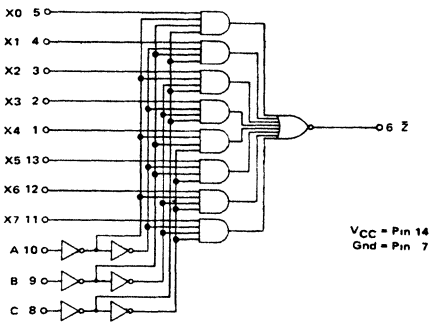
K30-35



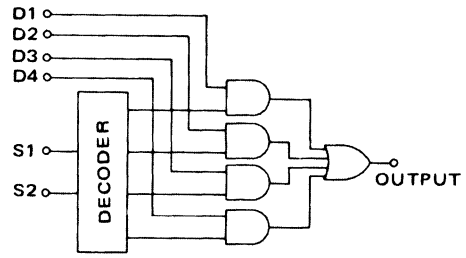
K30-36



K30-37

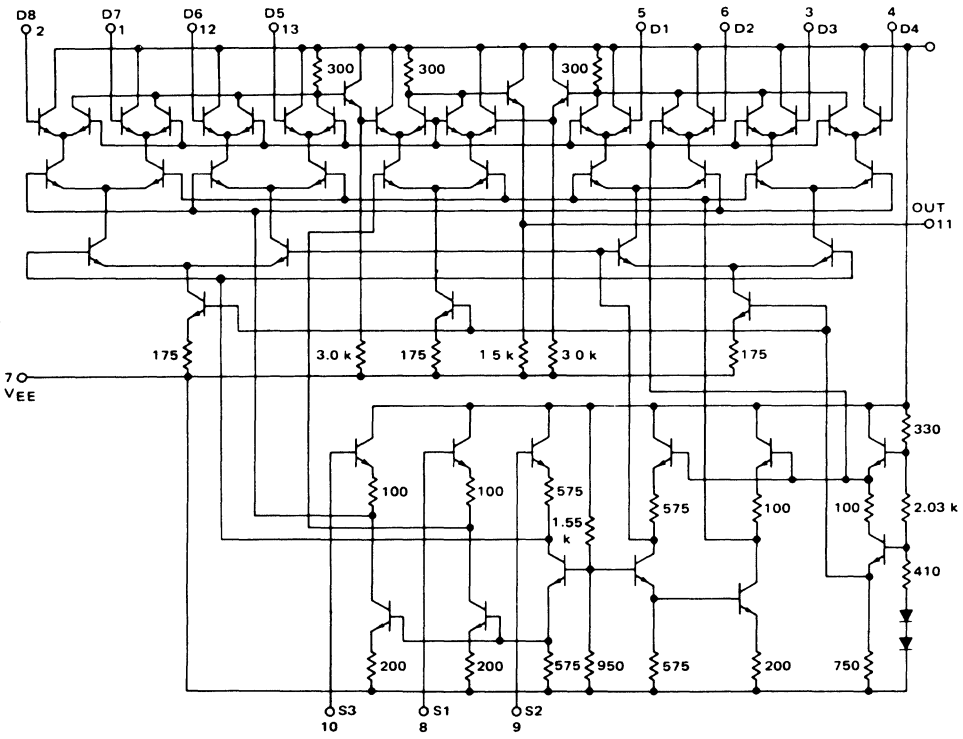


K30-38

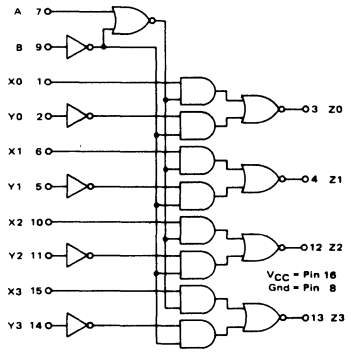


	CKT NO.	D1	D2	D3	D4	S1	S2	OUT
K30-38	1	7	9	10	11	3	2	6
	2	15	14	13	12	4	5	1

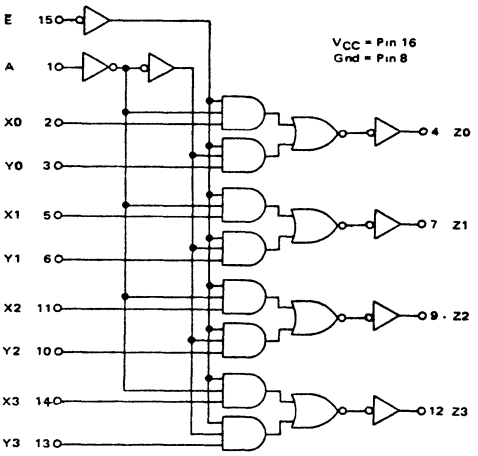
K30-39



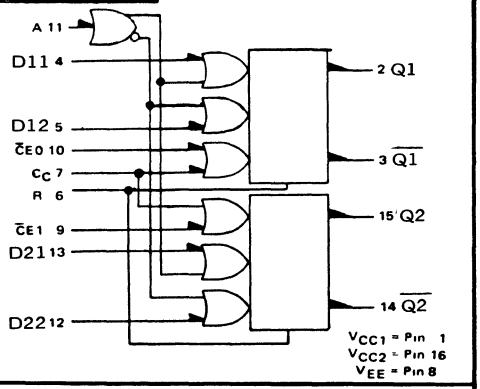
K30-40



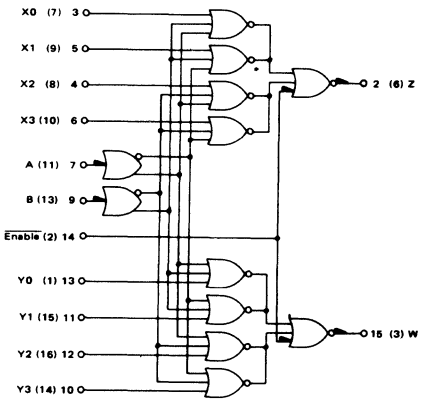
K30-41



K30-42

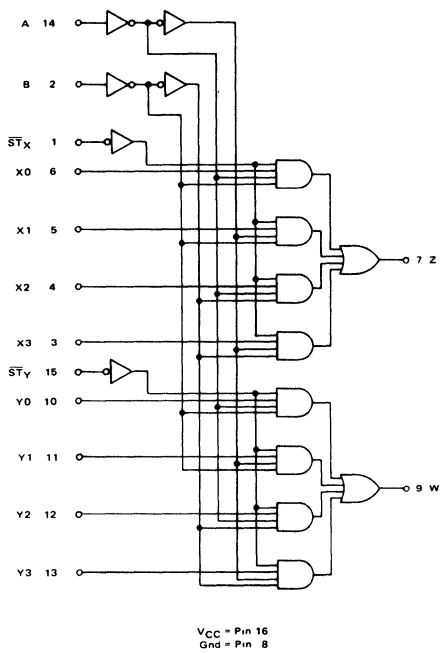


K30-43

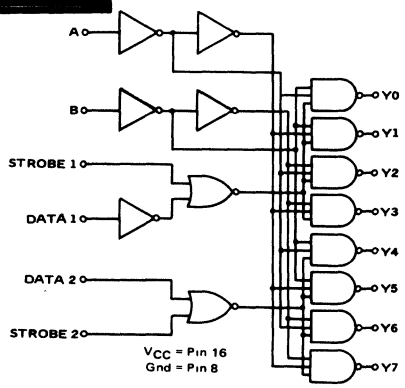


NUMBERS AT END OF TERMINALS ARE PIN NUMBERS FOR L PACKAGE K30-43. NUMBERS IN PARENTHESES DENOTE PIN NUMBERS FOR F PACKAGE K30-43a.

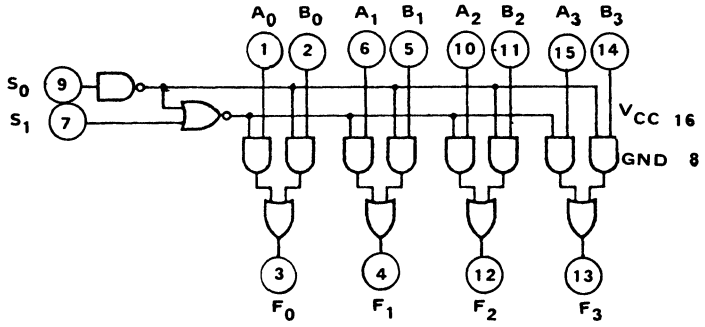
K30-44



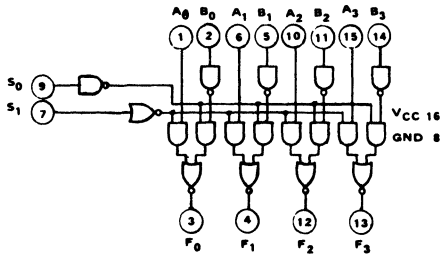
K30-45



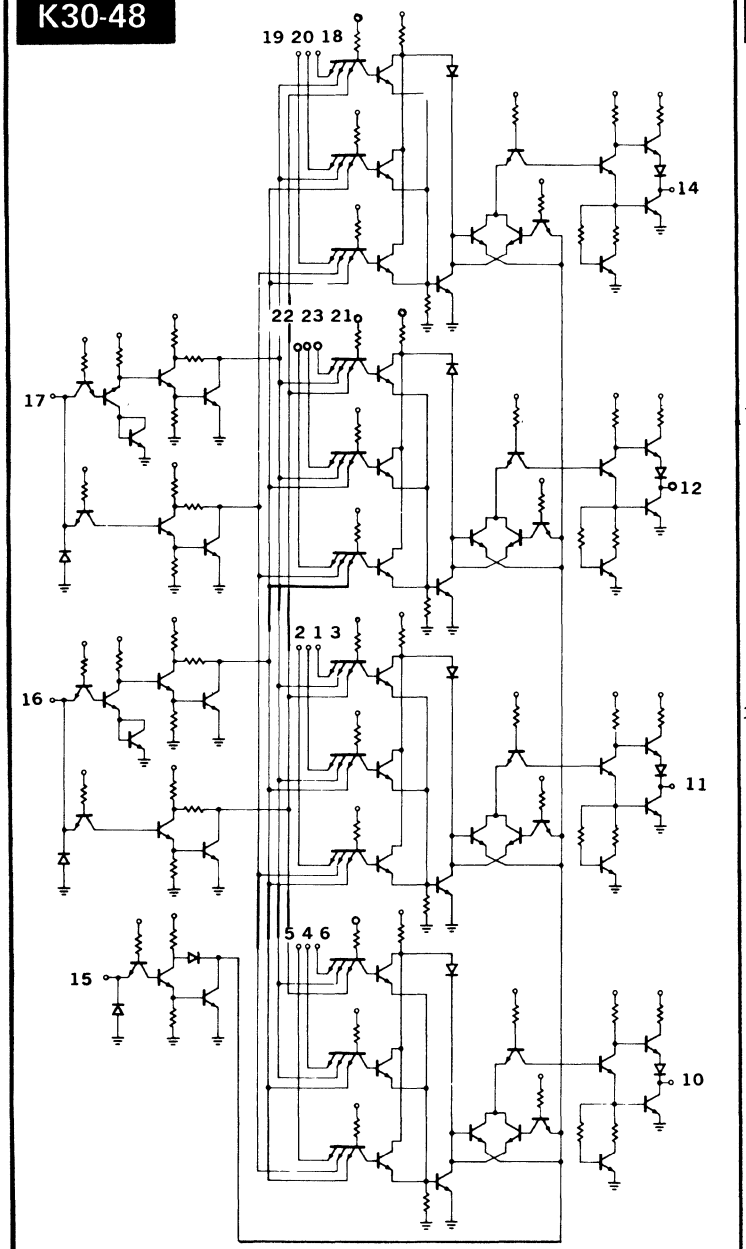
K30-46



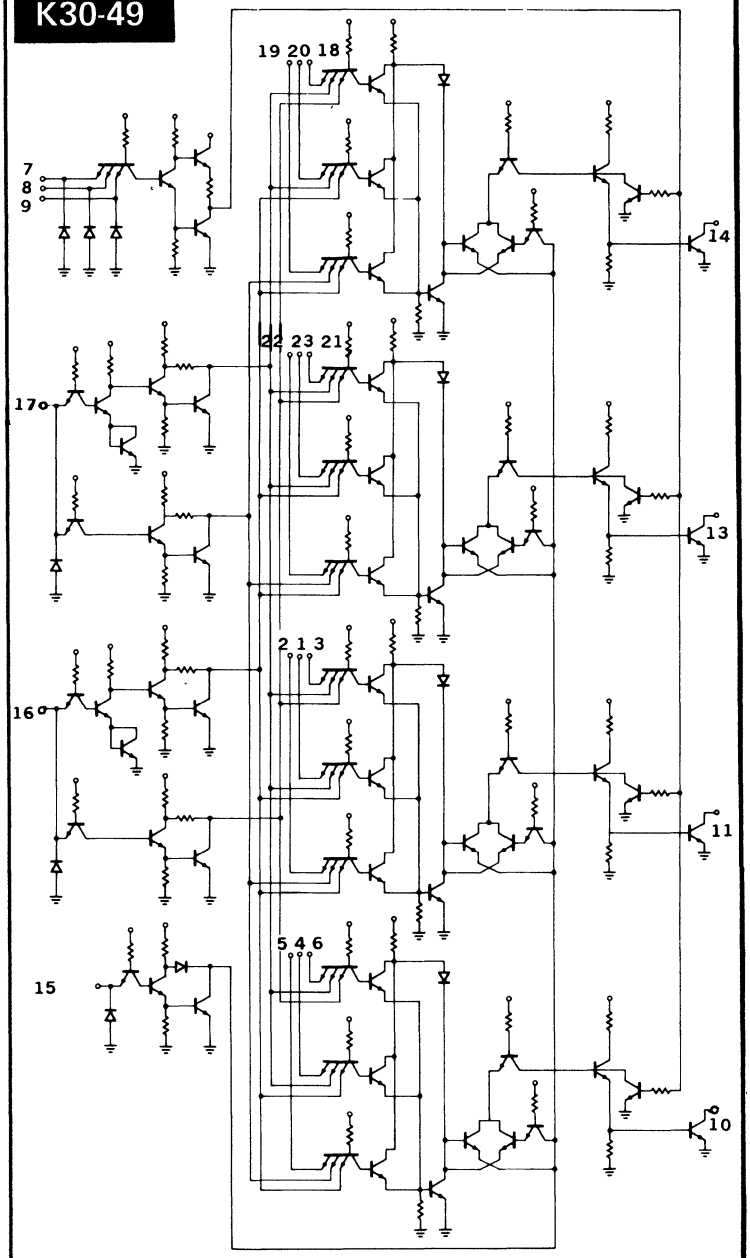
K30-47



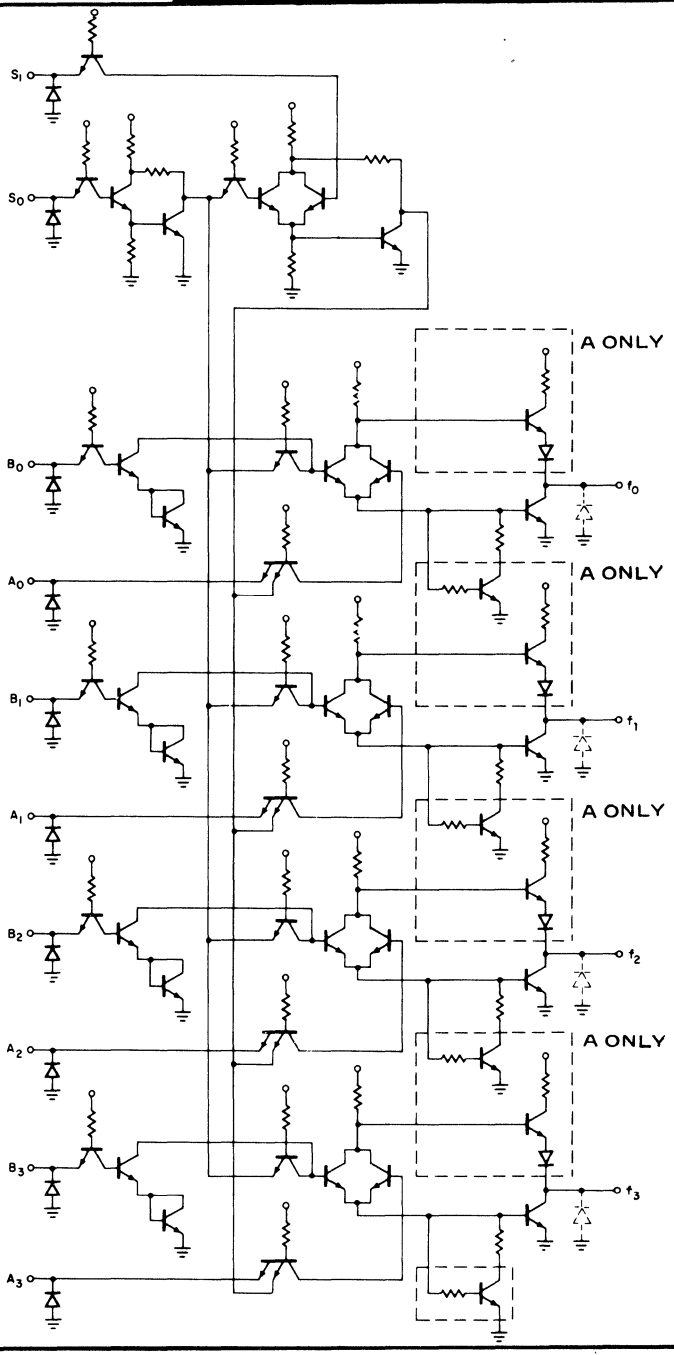
K30-48

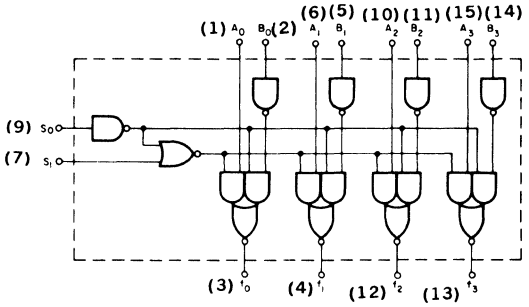

19 20 18
14
22 23 21
17
12
2 1 3
16
11
5 4 6
15
10

K30-49

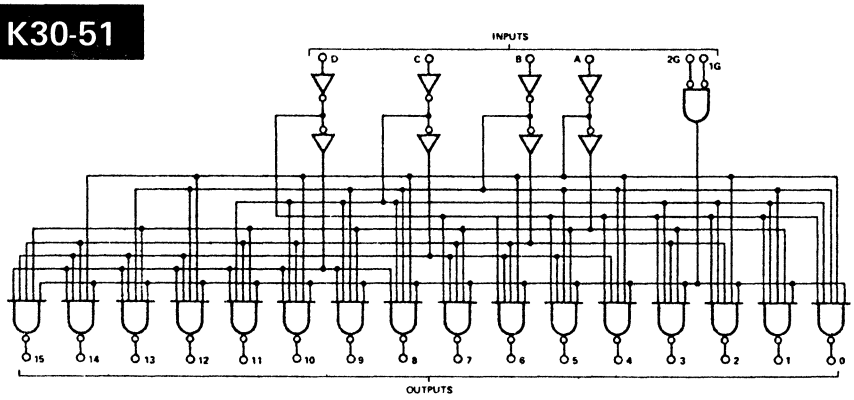

19 20 18
7
8
9
14
22 23 21
17
13
2 1 3
16
11
5 4 6
15
10

K30-50



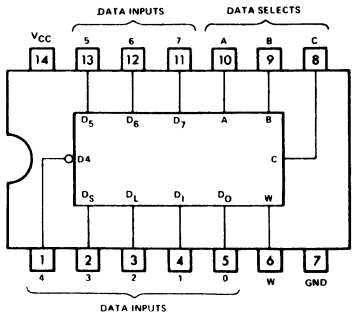


K30-51

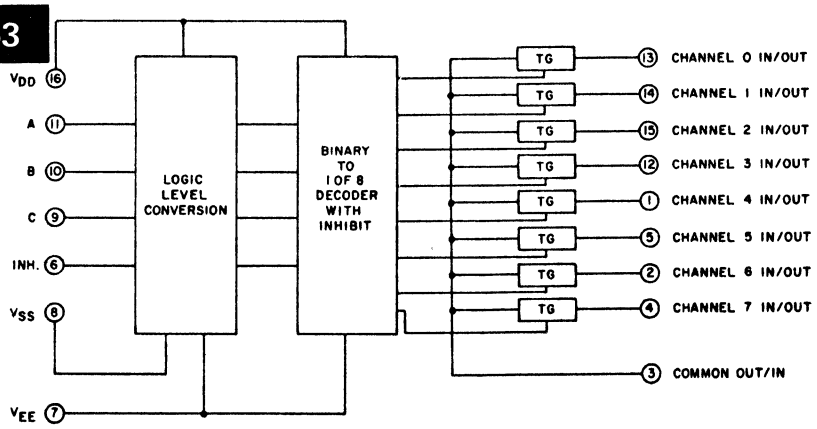


	OUTPUTS																INPUTS					
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	D	C	B	A	2G	1G
K30-51	1	2	3	4	5	6	7	8	9	10	11	13	14	15	16	17	20	21	22	23	19	18

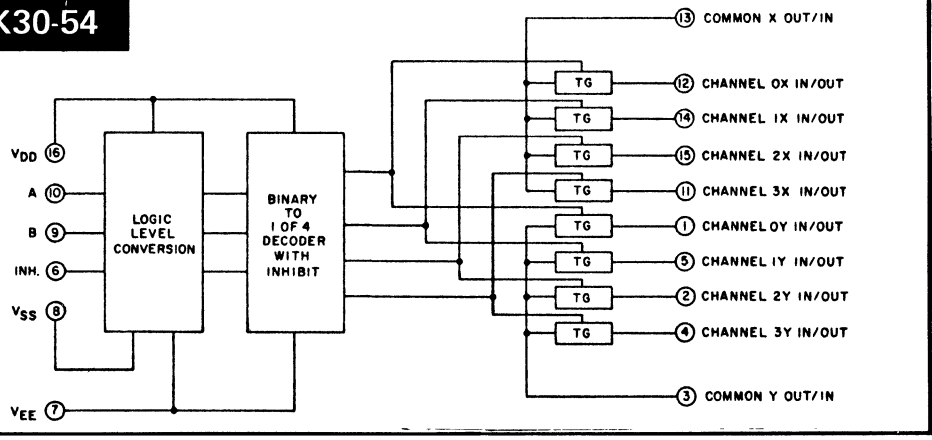
K30-52



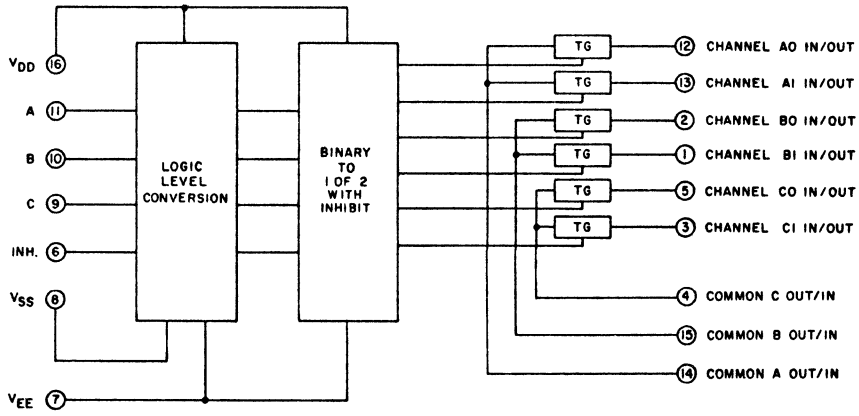
K30-53



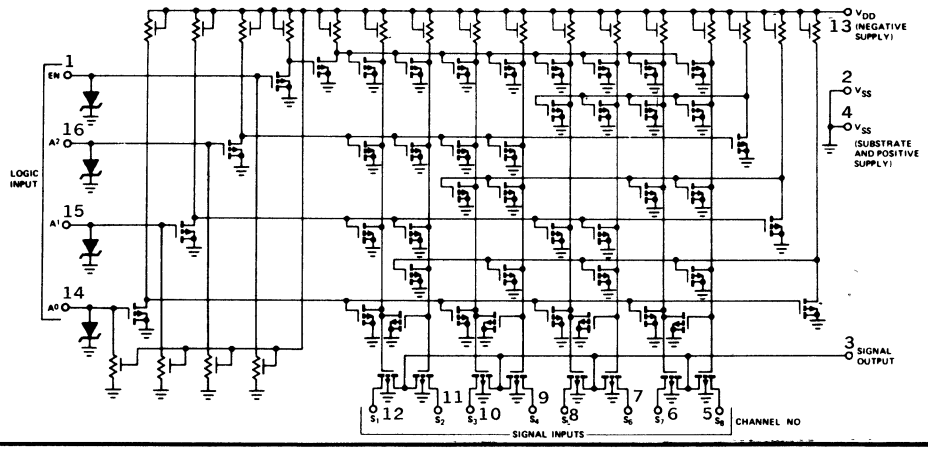
K30-54



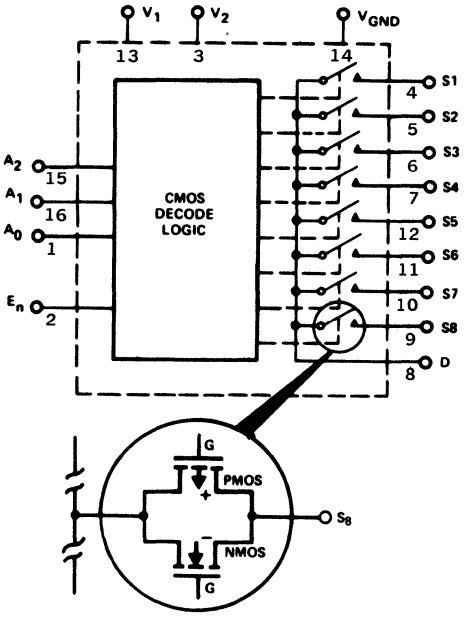
K30-55



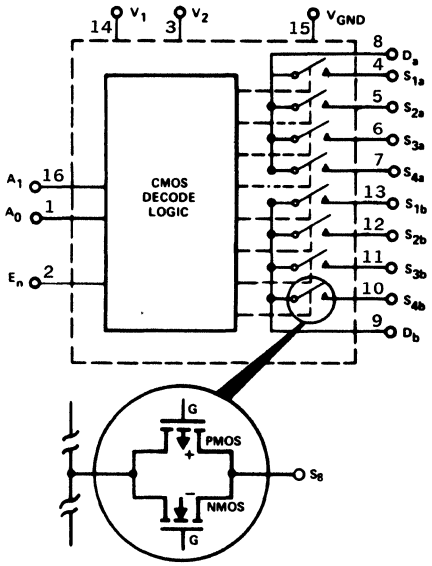
K30-56



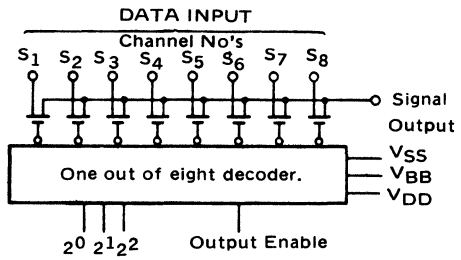
K30-57



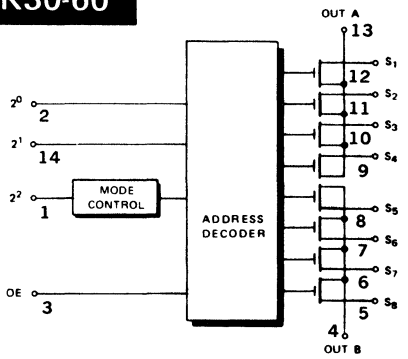
K30-58



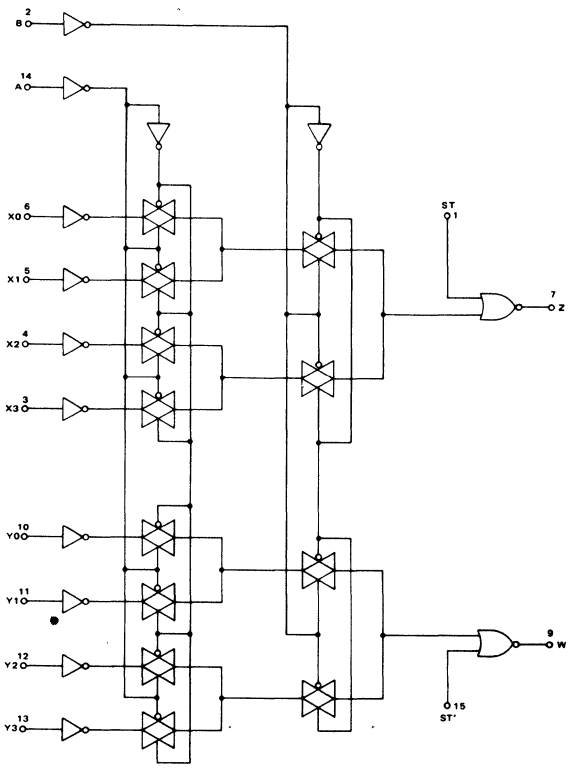
K30-59



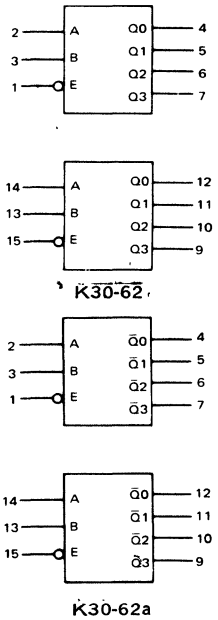
K30-60



K30-61

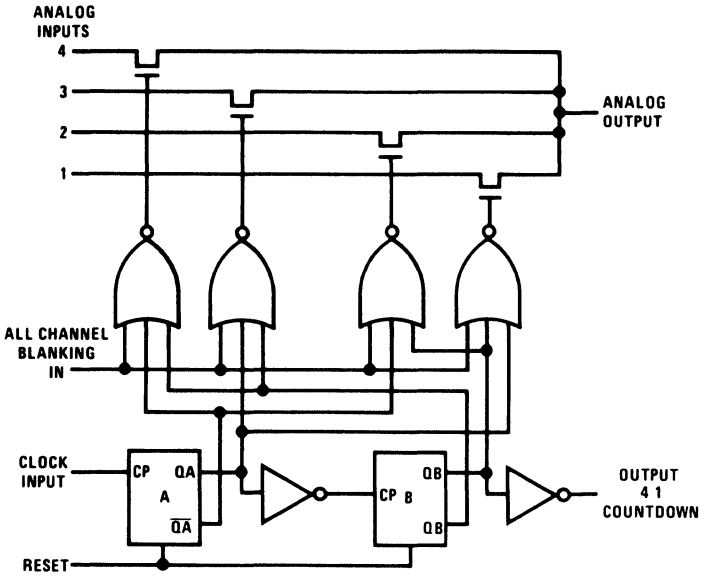


K30-62

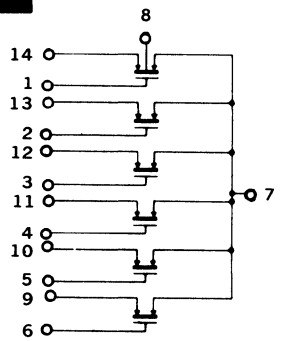


V_{DD} = Pin 16
V_{SS} = Pin 8

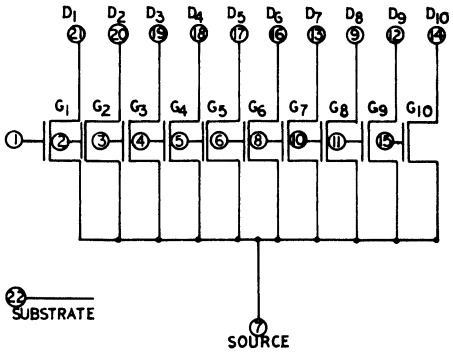
K30-63



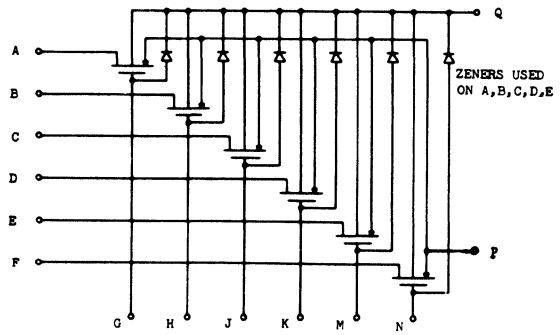
K30-64



K30-65

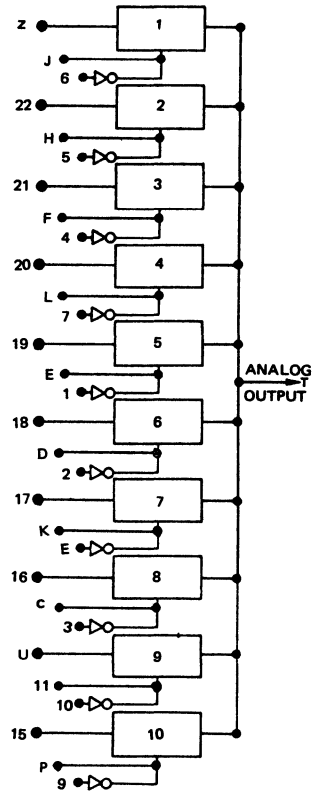


K30-66

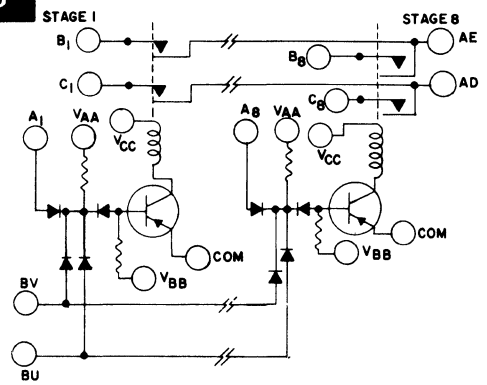


	CKT NO.	NO. OF STAGES	A	B	C	D	E	F	G	H	J	K	M	N	P	Q
K30-66,e	1	6	14	13	12	11	10	9	1	2	3	4	5	6	7	8

K30-67

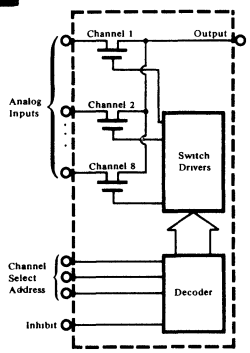


K30-68

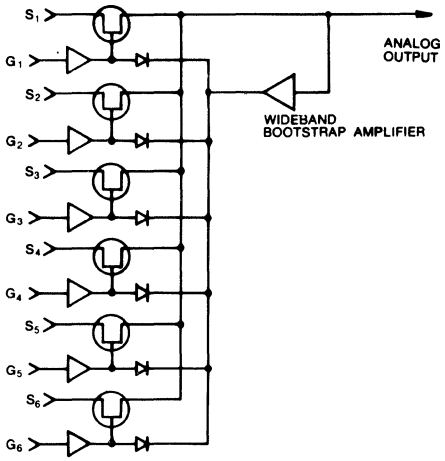


STAGE NO	A	B	C
1	BK	AH	AF
2	BL	AK	AJ
3	BM	AM	AL
4	BN	AP	AN
5	BP	AS	AR
6	BR	AU	AT
7	BS	BD	AV
8	BT	BF	BE

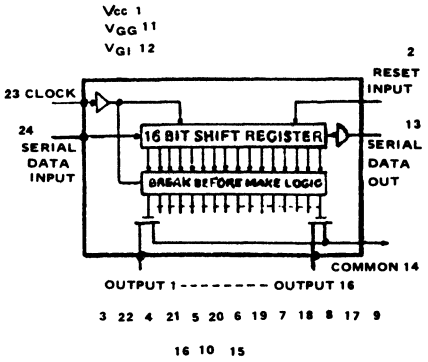
K30-69



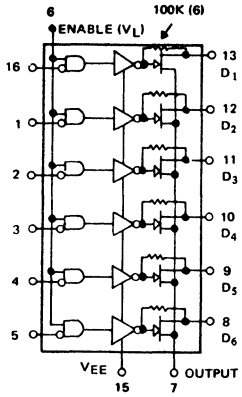
K30-70



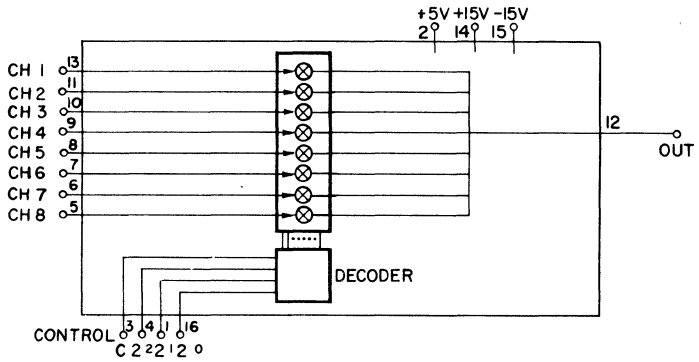
K30-71



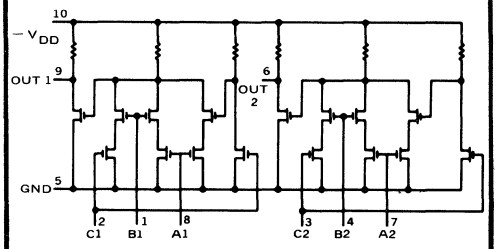
K30-72



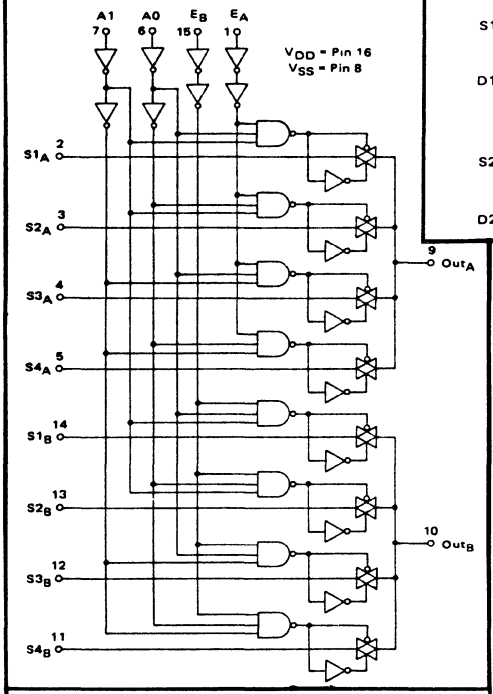
K30-73



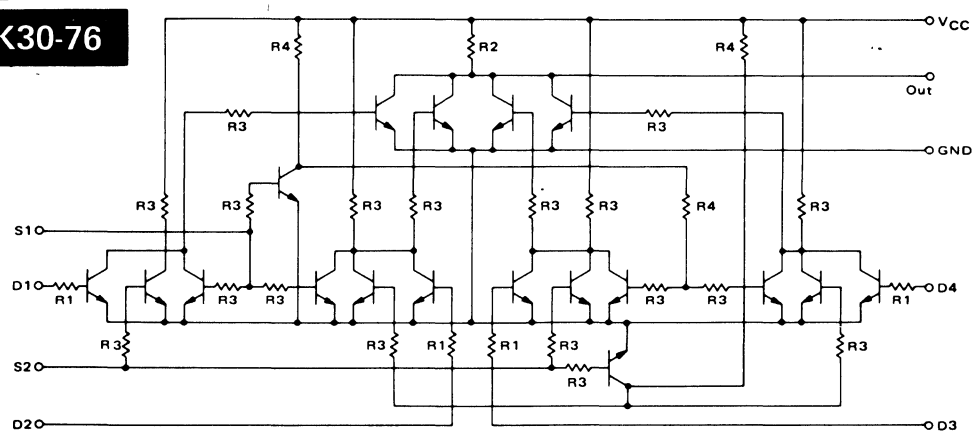
K30-74



K30-75

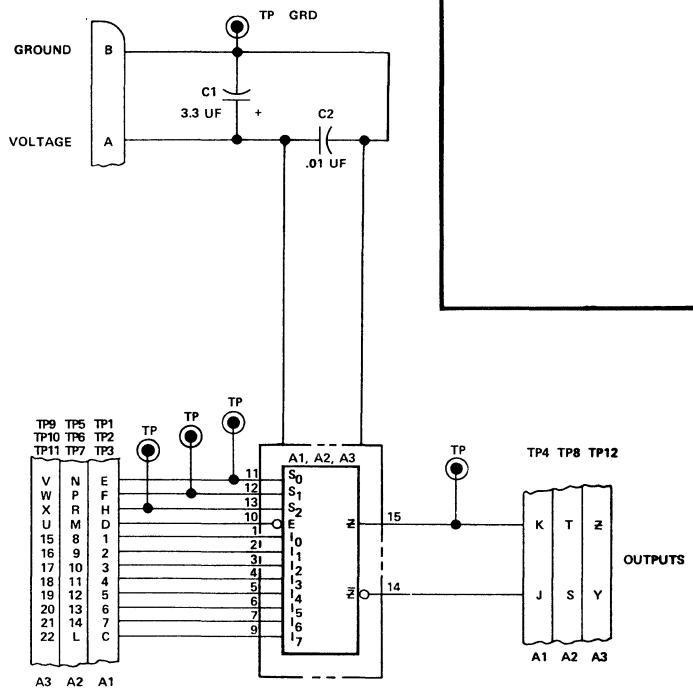


K30-76

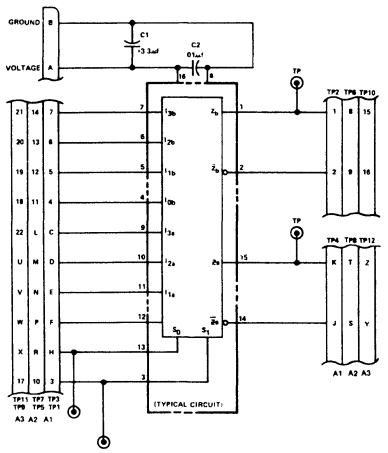


K30-77

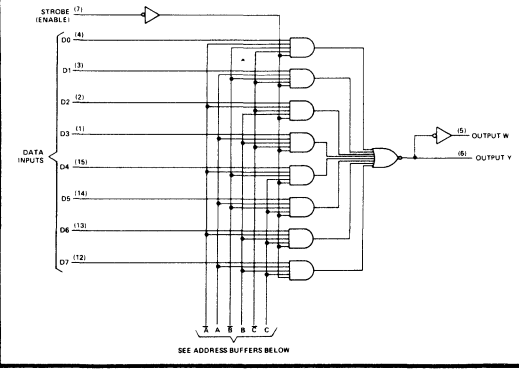
CKT	D_1	D_2	D_3	D_4	S_1	S_2	Out	VCC	GND
1	2	3	15	14	16	1	5	13	4
2	8	7	11	12	9	10	6		

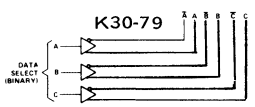


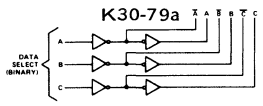
K30-78



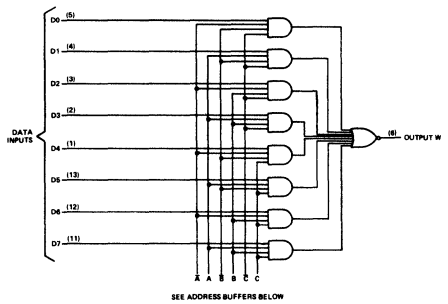
K30-79

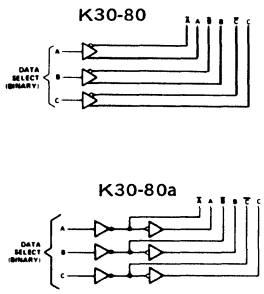




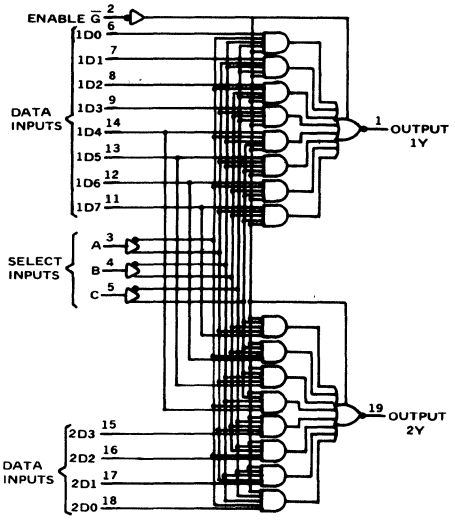


K30-80

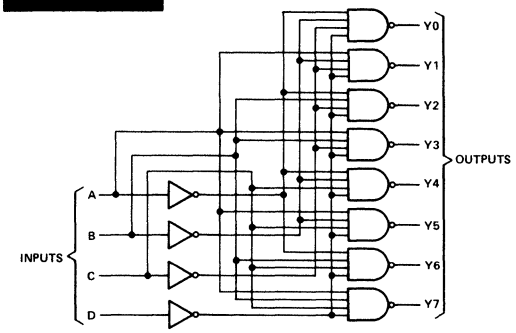


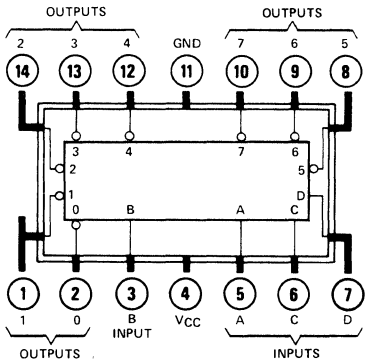


K30-81

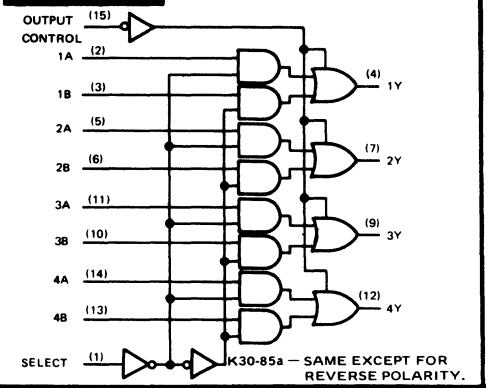


K30-83



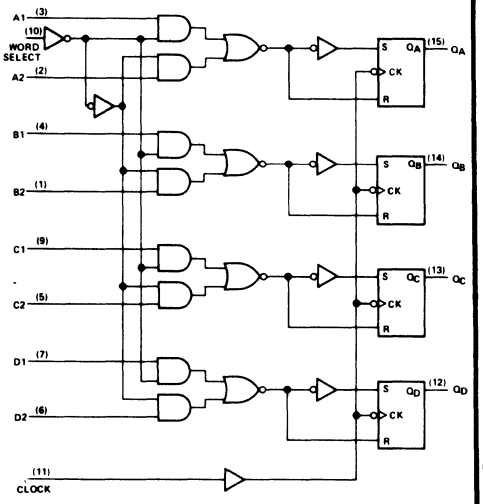


K30-85



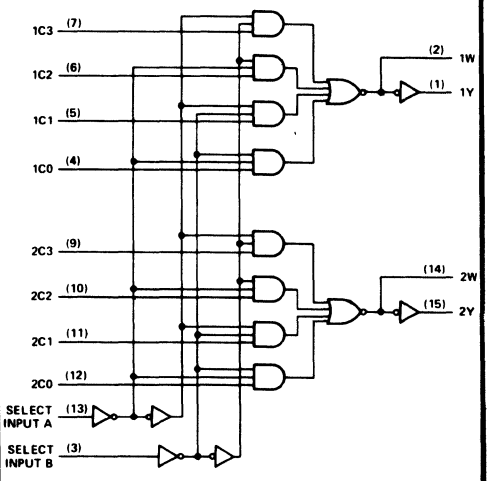
K30-85a — SAME EXCEPT FOR REVERSE POLARITY.

K30-86

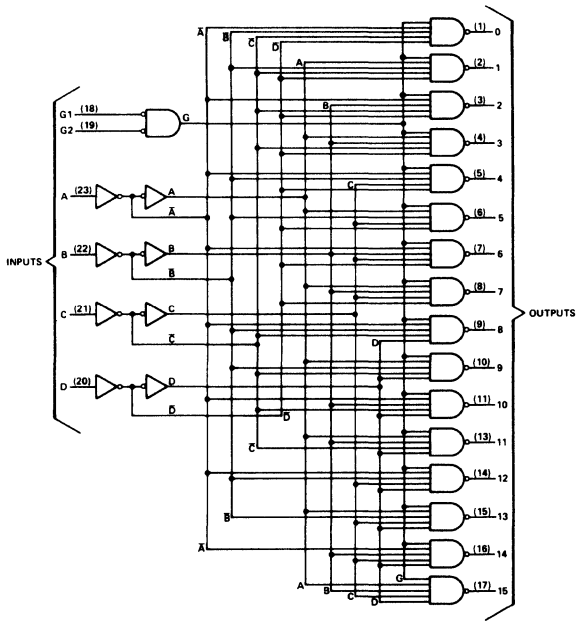


⊕ . . . Dynamic input activated by a transition from a high level to a low level

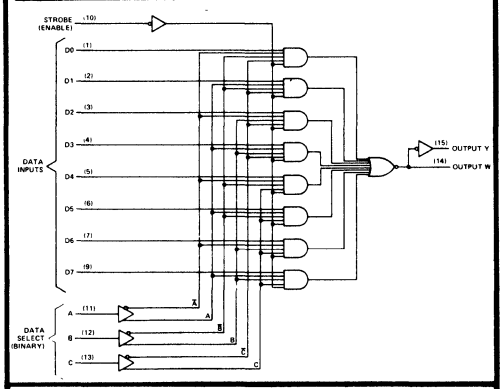
K30-87



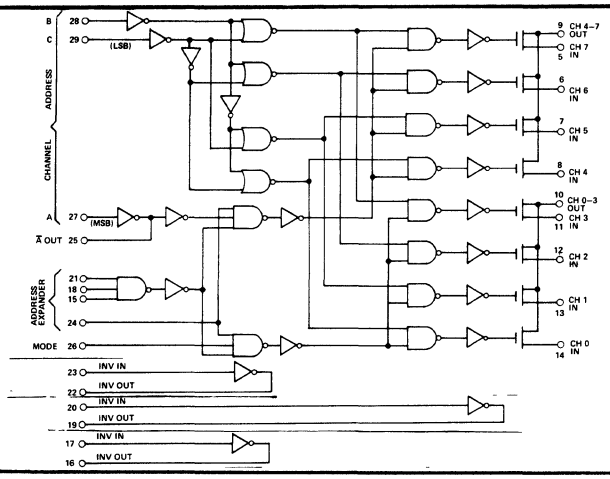
K30-88



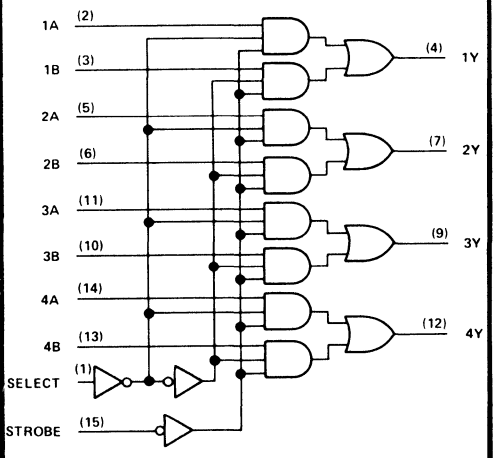
K30-89



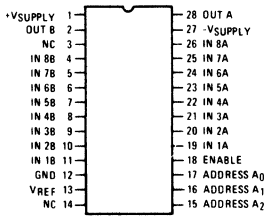
K30-90

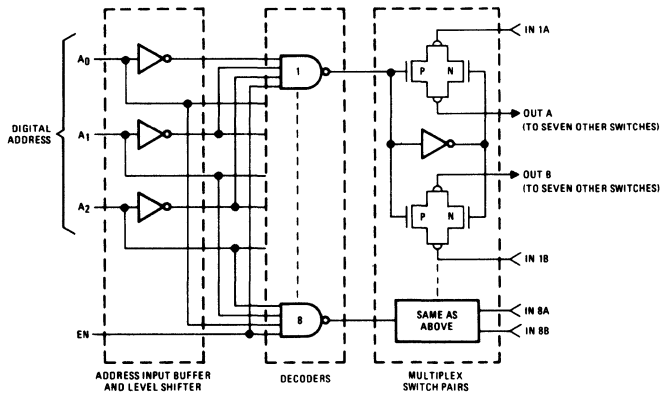


K30-91

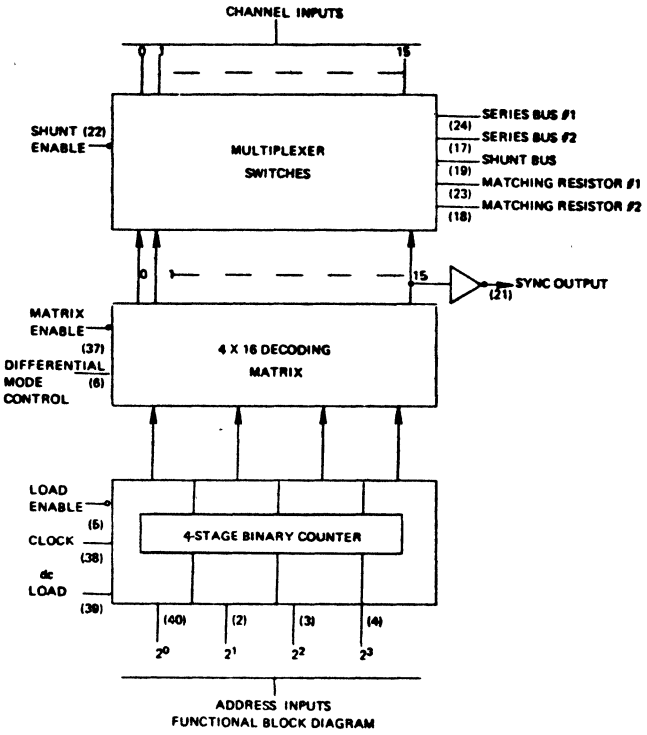


K30-92



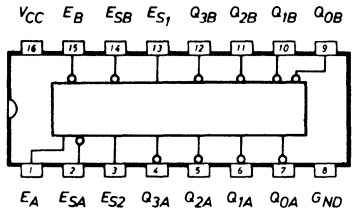


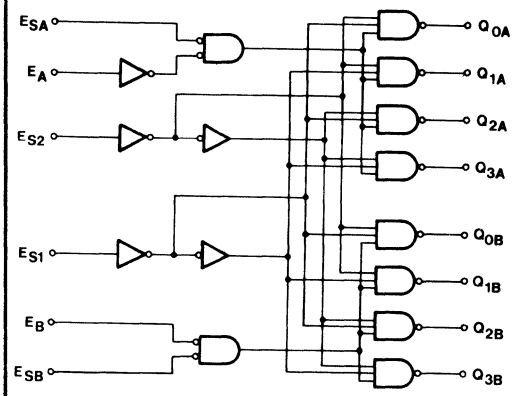
K30-93



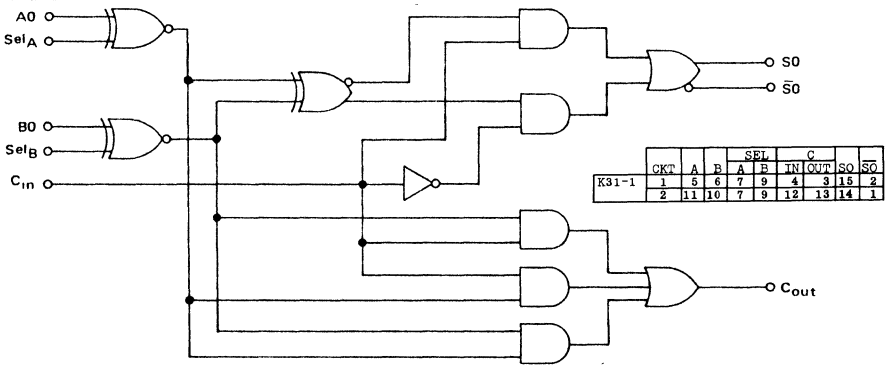
FUNCTIONAL BLOCK DIAGRAM

K30-94



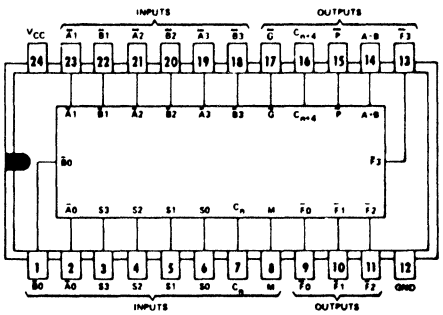


K31-1

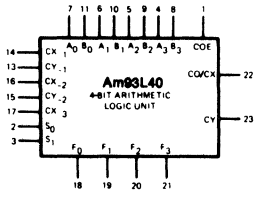


	CKT	A	B	SEL A	SEL B	C IN	C OUT	S0	$\overline{S0}$
K31-1	1	5	6	7	9	4	3	15	2
	2	11	10	7	9	12	13	14	1

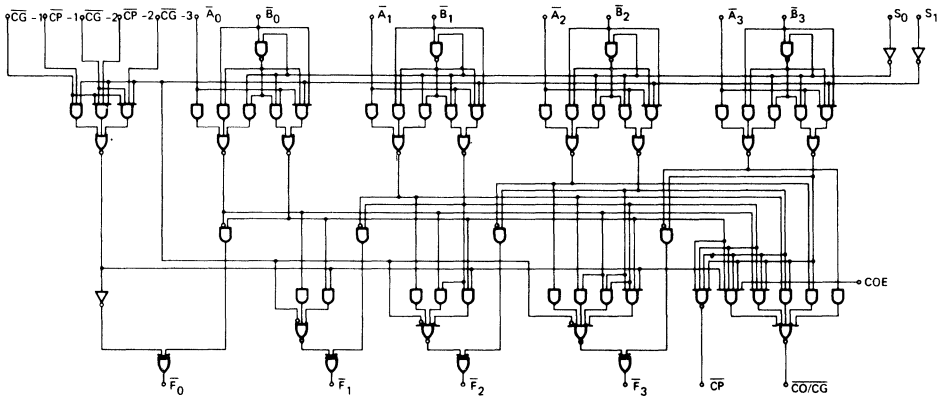
K31-2



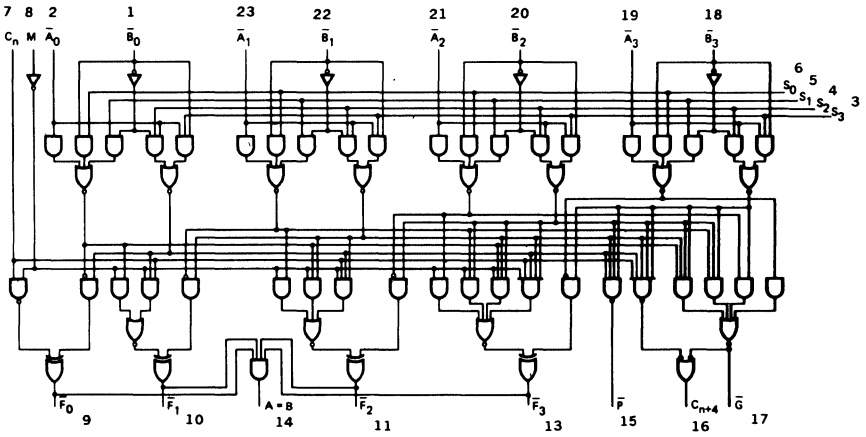
K31-3



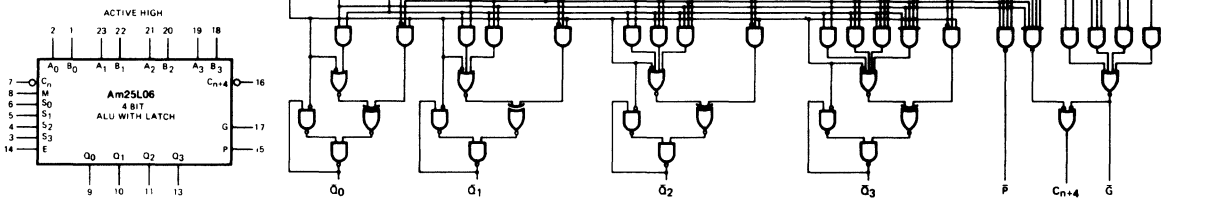
V_{CC} = PIN 24
GND = PIN 12



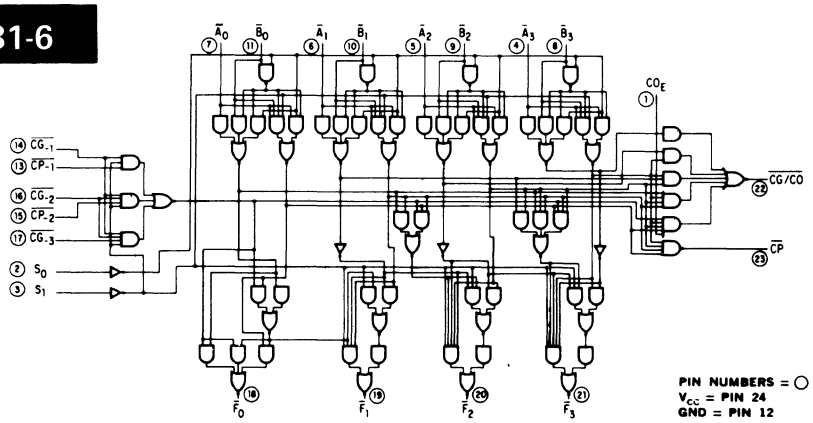
K31-4



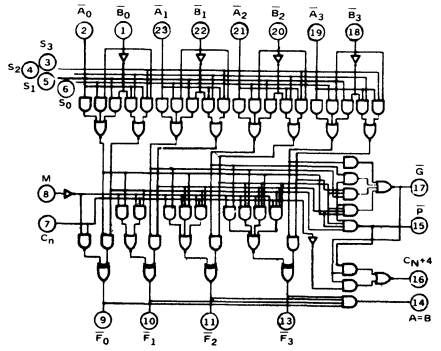
K31-5



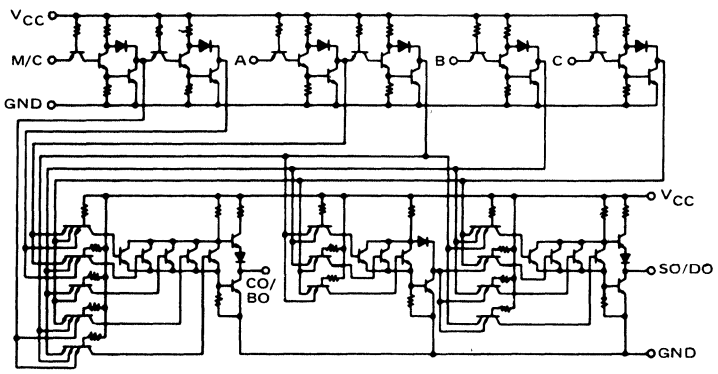
K31-6



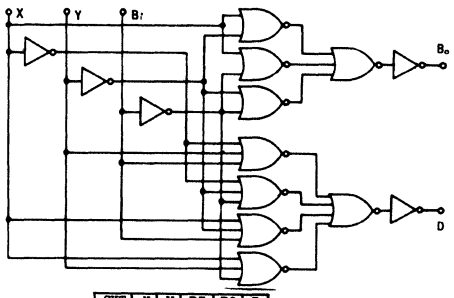
K31-7



K31-8

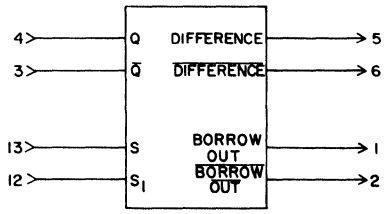


K31-9

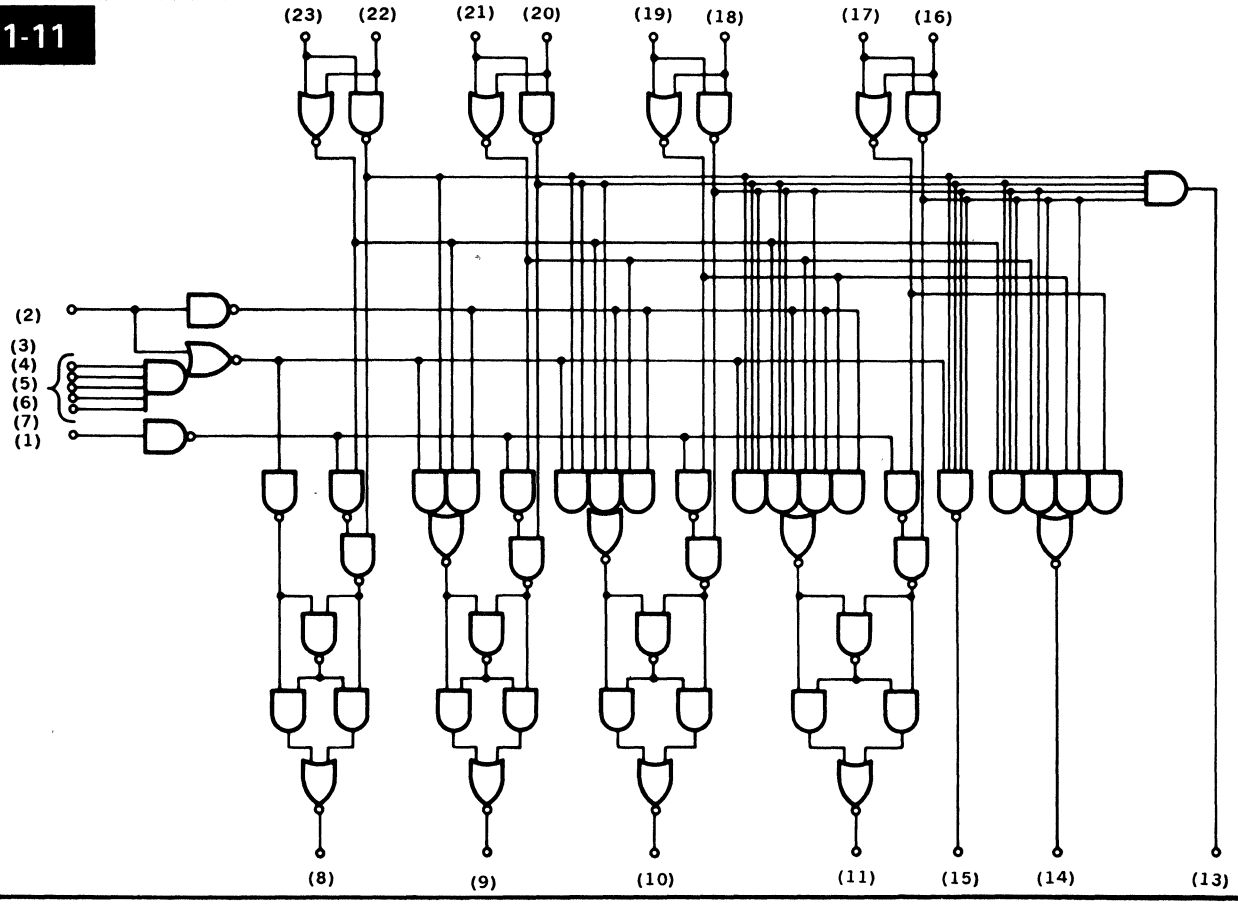


	CKT	X	Y	BI	BO	D
K31-9	1	2	14	13	3	12
	2	6	6	9	5	10
K31-9a	1	5	3	2	6	1
	2	9	11	12	8	13

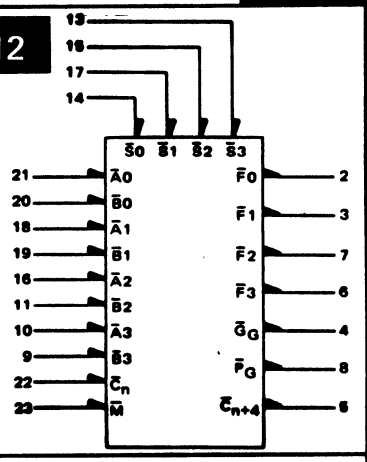
K31-10



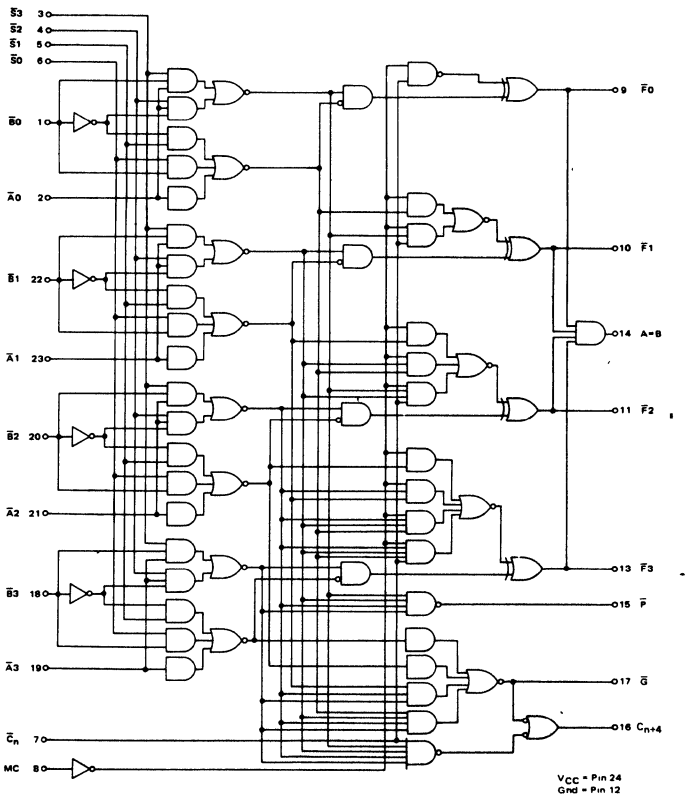
K31-11



K31-12

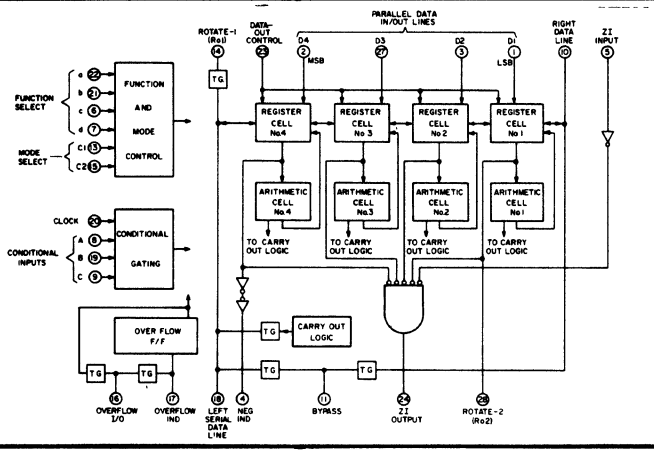


K31-13

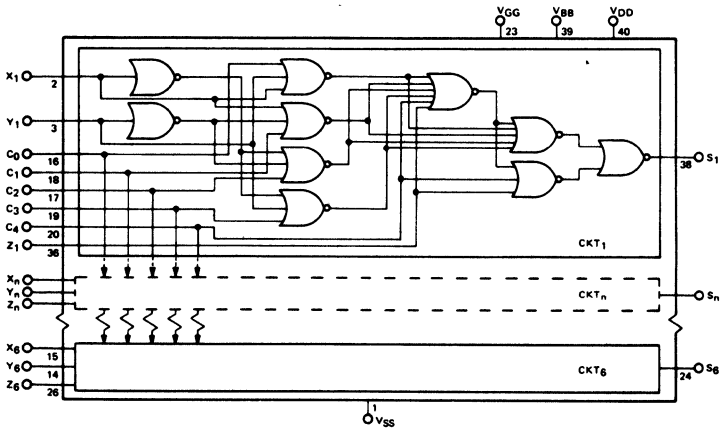


Note Everything is defined in terms of positive logic convention

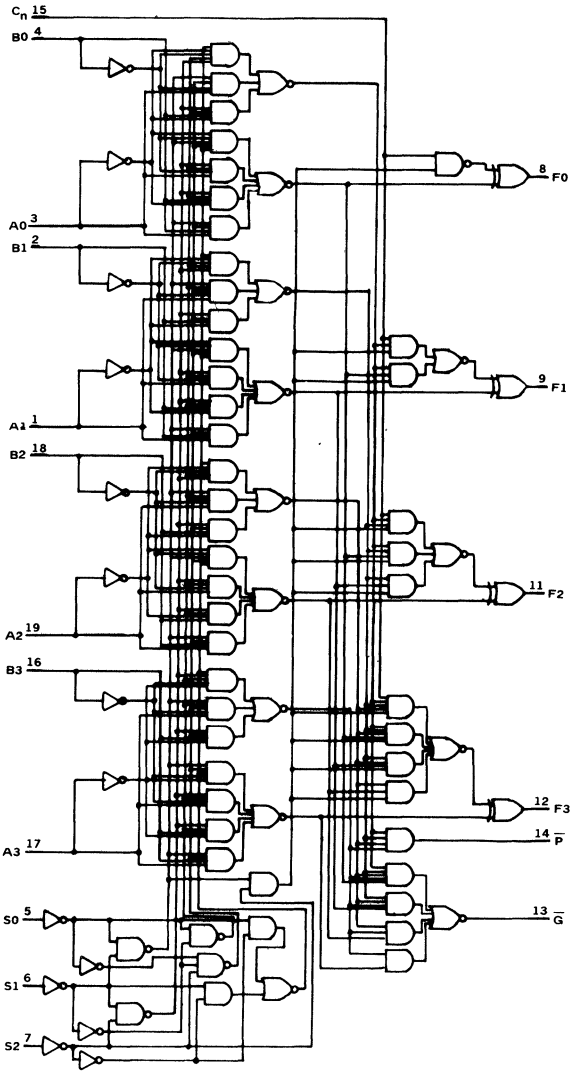
K31-14



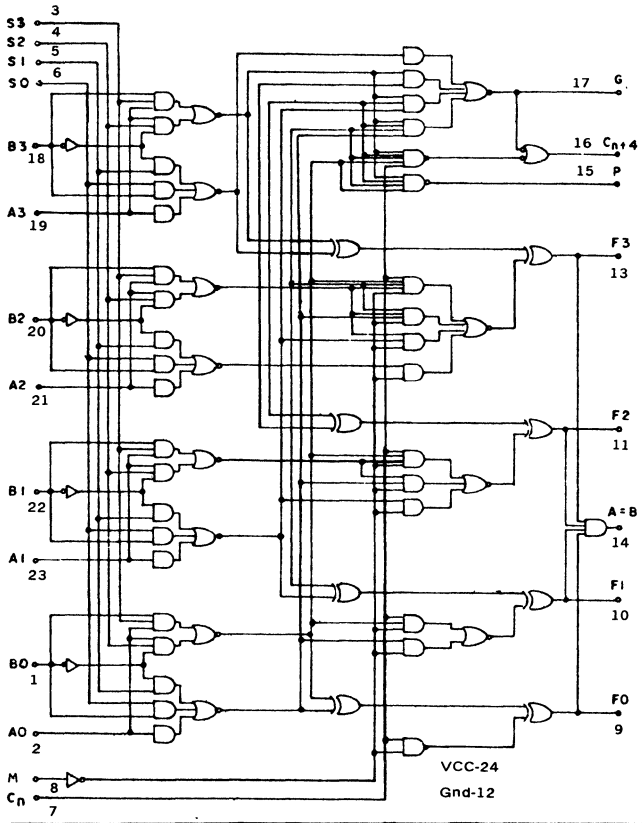
K31-15



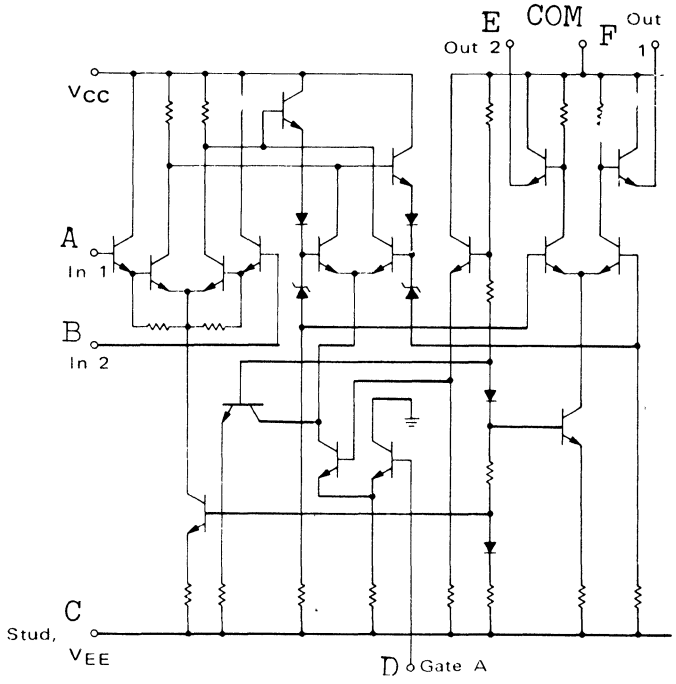
K31-16



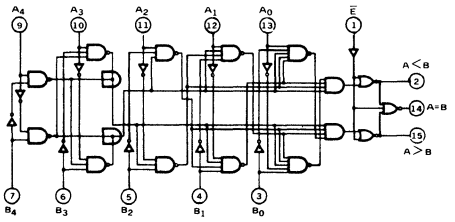
K31-17



K32-1

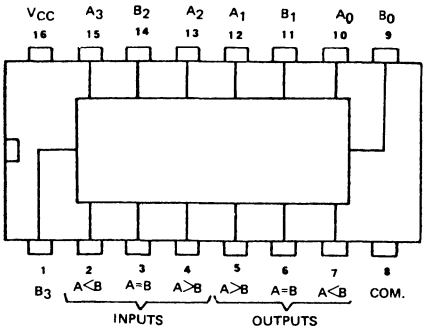


K32-2

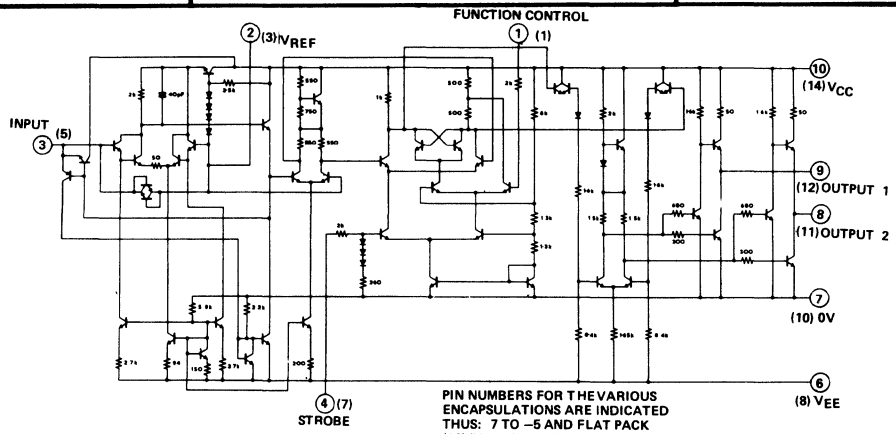


	CKT	A	B	C	D	E	F	VCC	COM	PKG
K32-1	1	6	5	15	4	3	2	7	1	PP
	2	10	9	NA	11	13	12	8	14	
	1	6	5	8	4	3	2	7	1	M
	2	12	11	NA	13	15	14	10	16	

K32-3

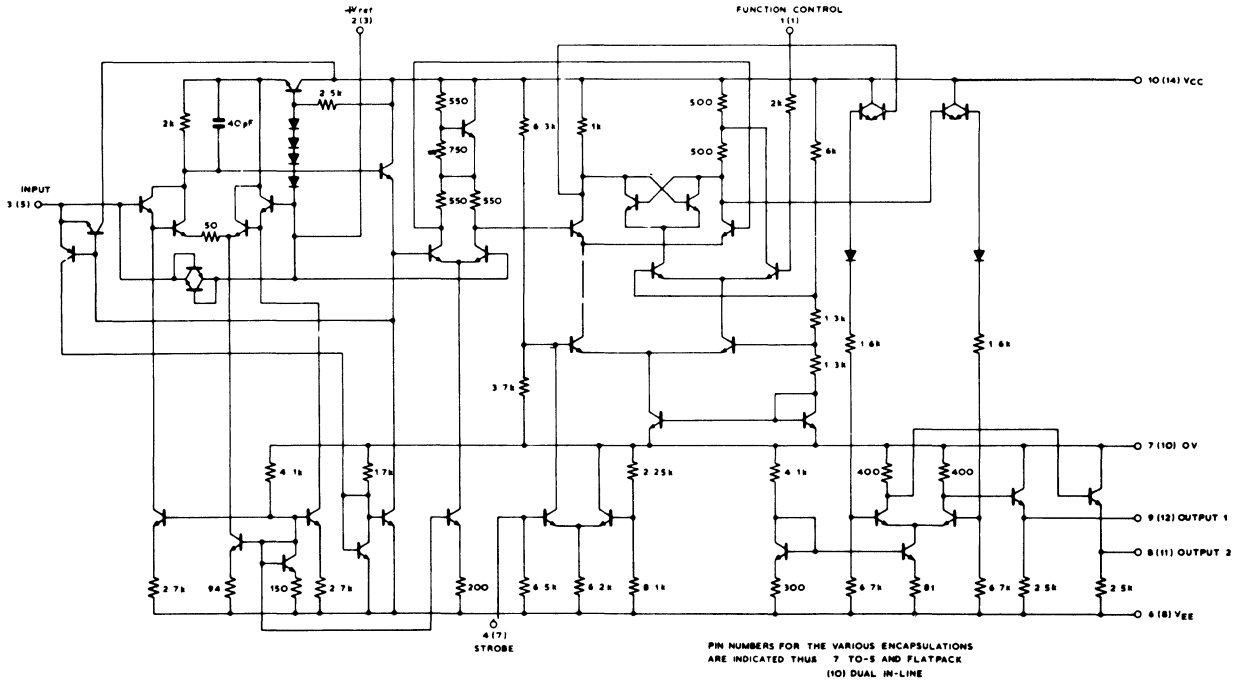


K32-4



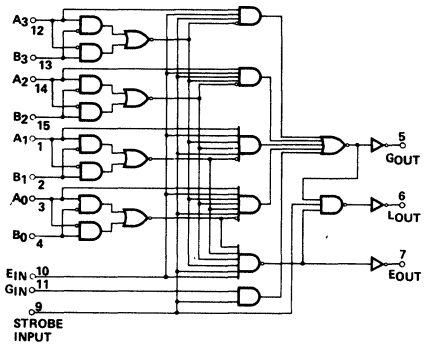
PIN NUMBERS FOR THE VARIOUS ENCAPSULATIONS ARE INDICATED THUS: 7 TO –5 AND FLAT PACK (10) DUAL IN-LINE.

K32-5

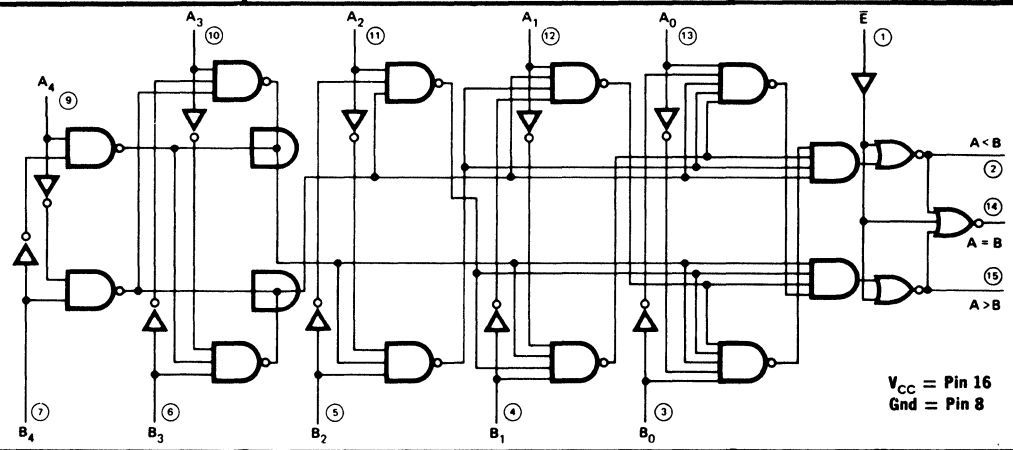


PIN NUMBERS FOR THE VARIOUS ENCAPSULATIONS ARE INDICATED THUS 7 TO-5 AND FLATPACK (10) DUAL IN-LINE

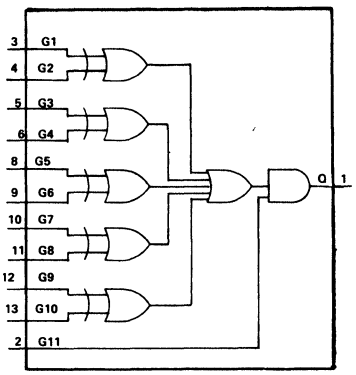
K32-6



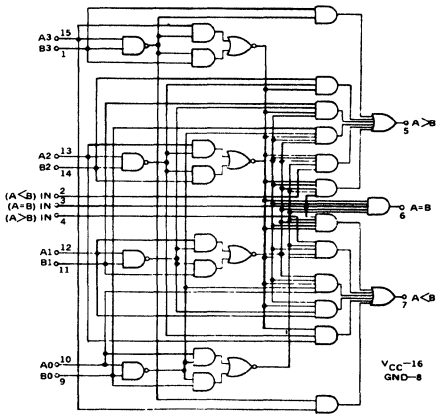
K32-7



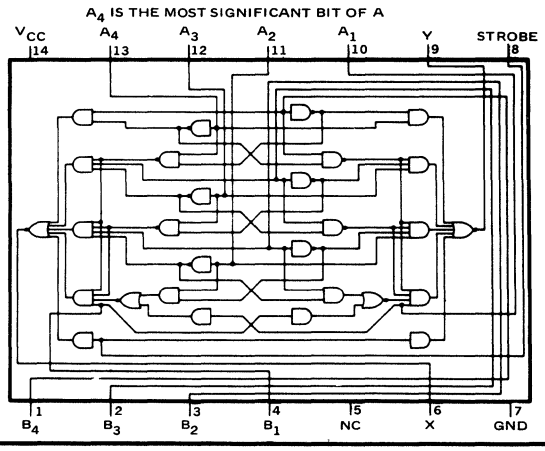
K32-8



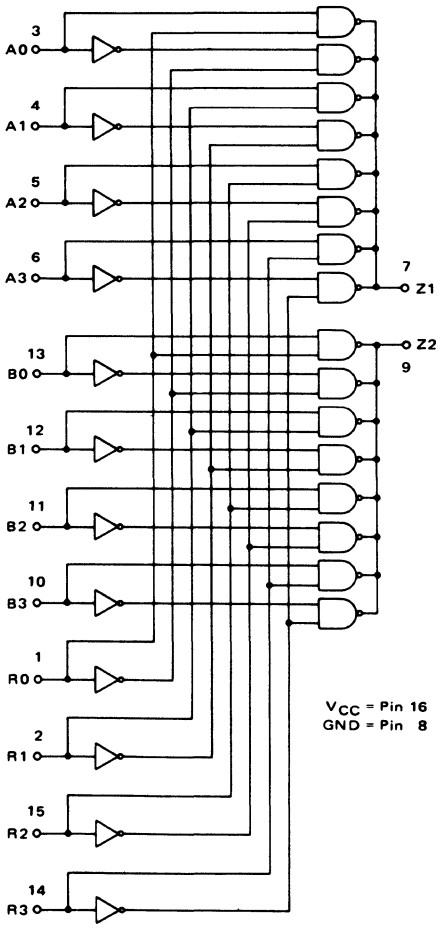
K32-9



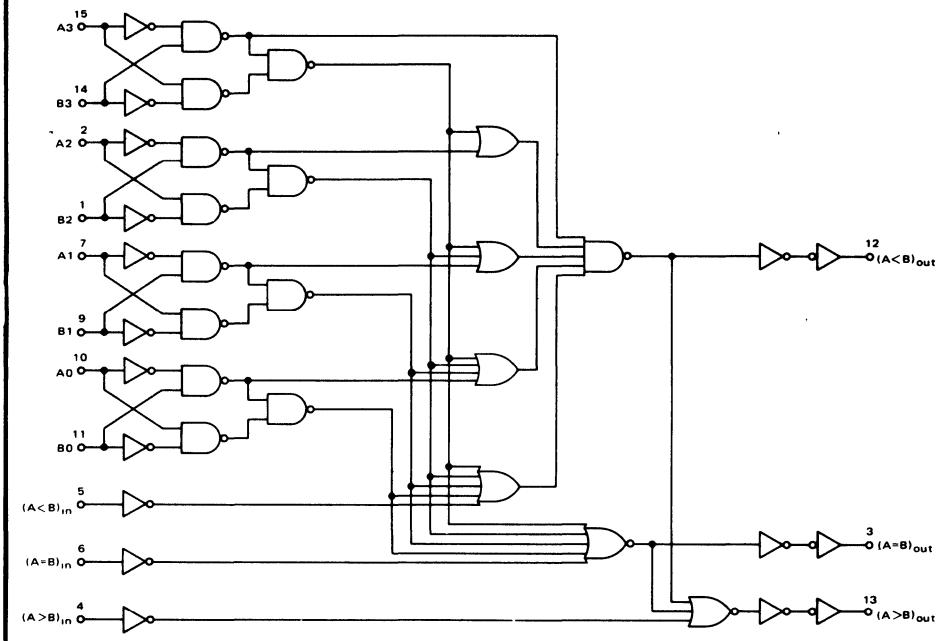
K32-10



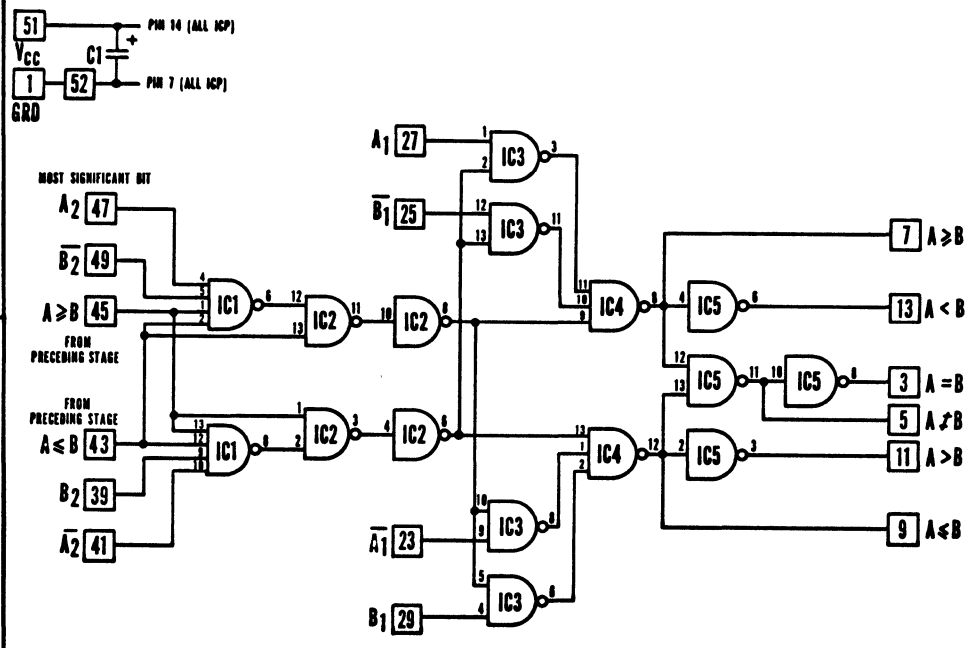
K32-11



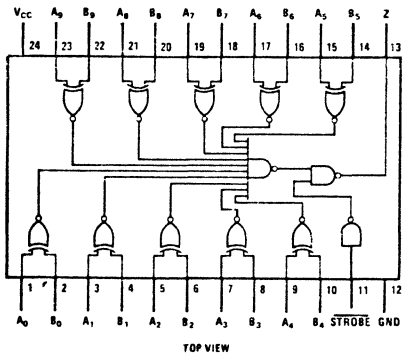
K32-12



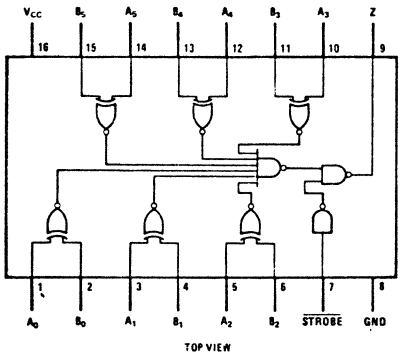
K32-13



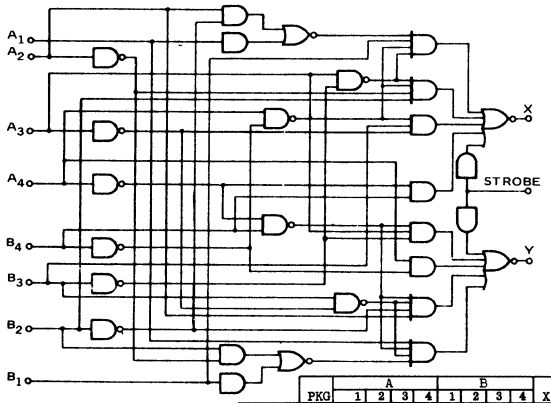
K32-14



K32-15

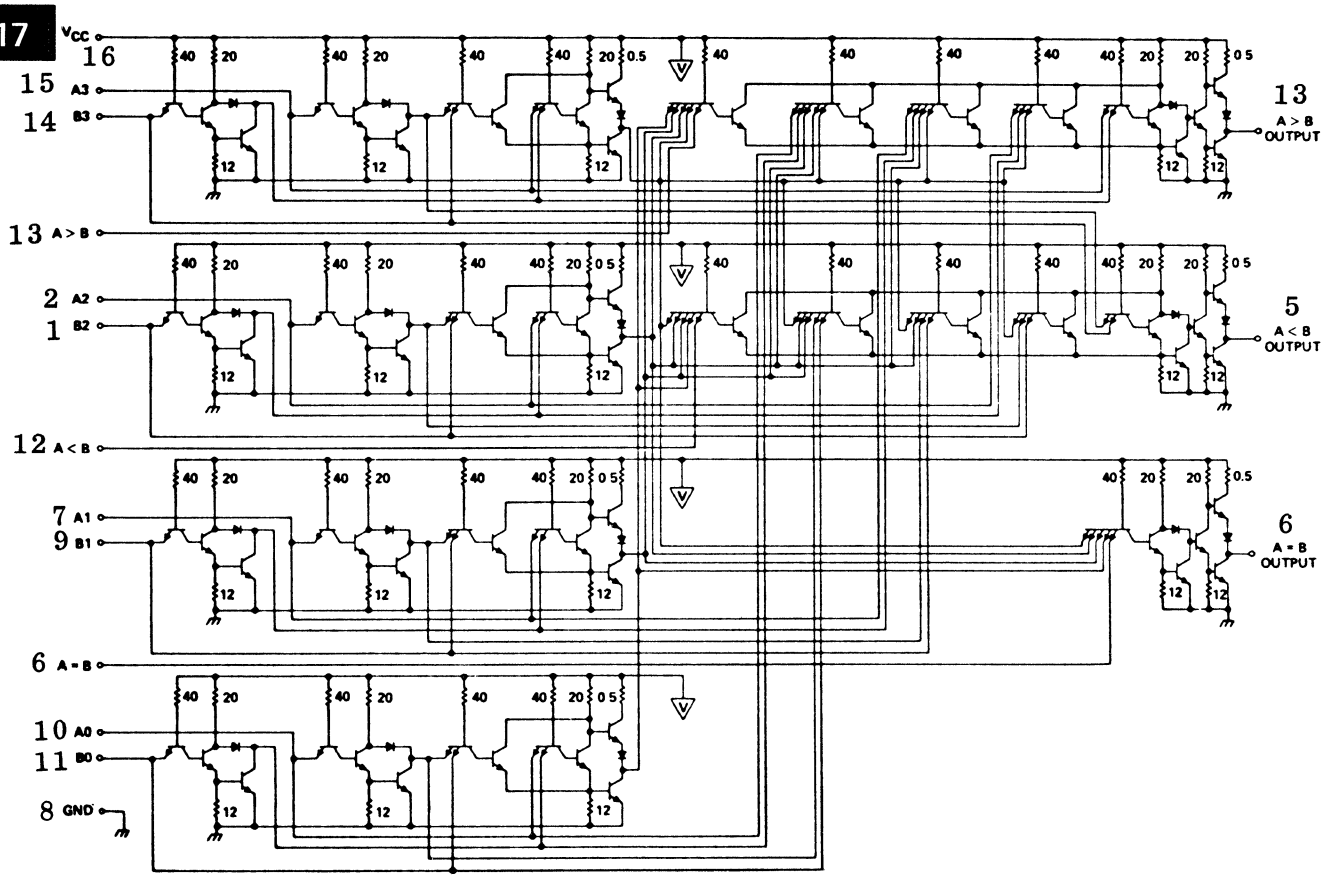


K32-16

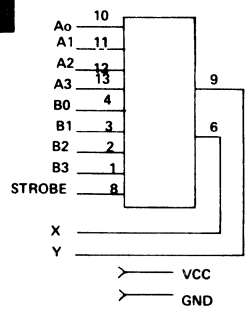


K32-16	A				B				X	Y	OPEN	STROBE	VCC	GND
PKG	1	2	3	4	1	2	3	4						
FP	14	1	2	3	8	7	6	5	10	13	9	12	4	11
M	10	11	12	13	4	3	2	1	6	9	5	8	14	7

K32-17

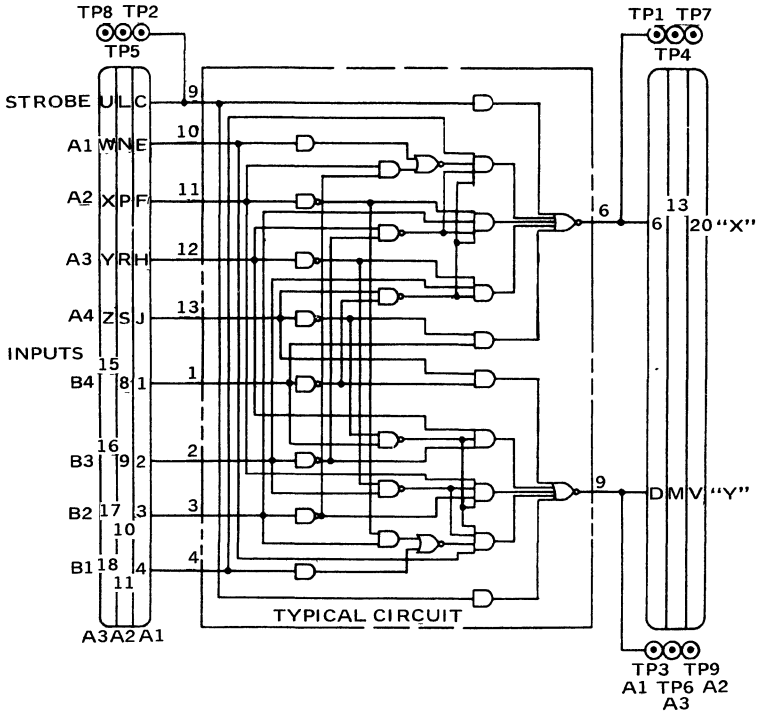


K32-18

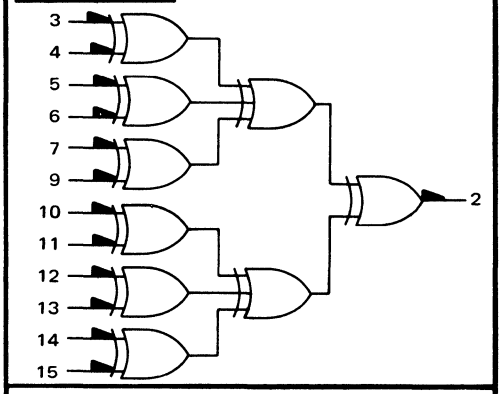


K32-18	CKT	A0	A1	A2	A3	B0	B1	B2	B3	STROBE	X	Y	VCC	GND
	1	42	41	40	45	48	49	46	44	43	50	39		
	2	30	29	28	33	36	37	34	32	31	38	27	51	1,52
	3	18	17	16	21	24	25	22	20	19	26	15		
	4	6	5	4	9	12	13	10	8	7	14	3		

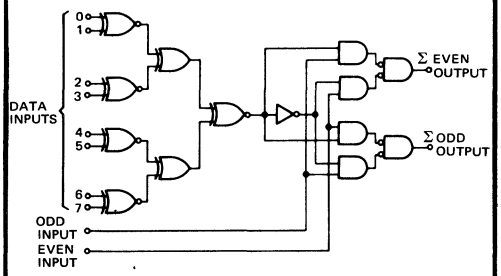
K32-19



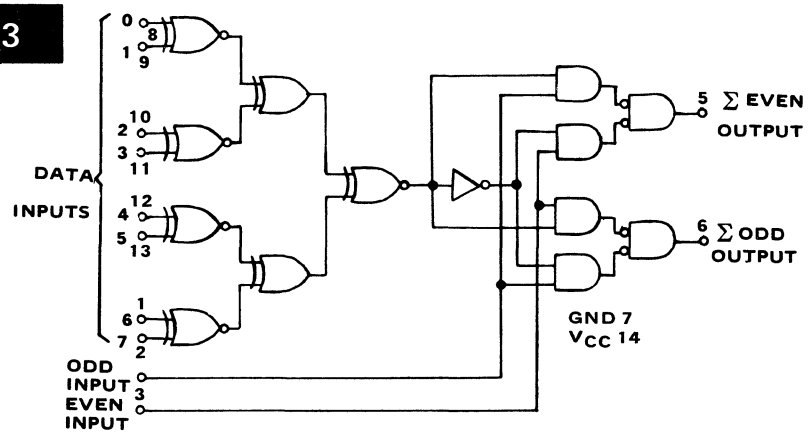
K33-1



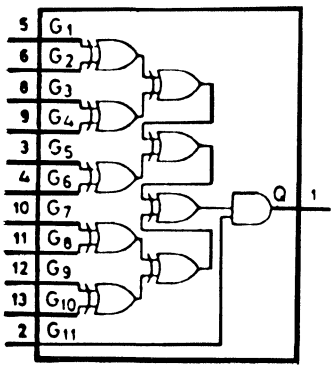
K33-2



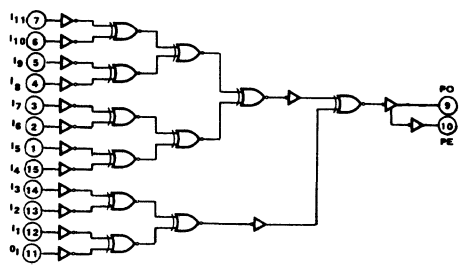
K33-3



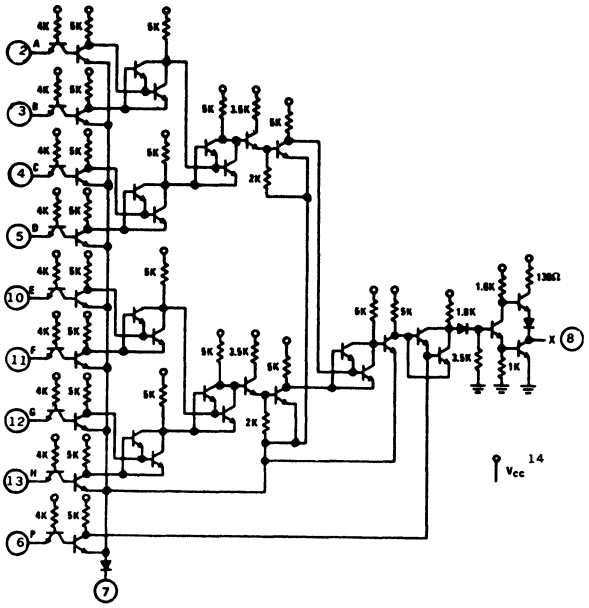
K33-4



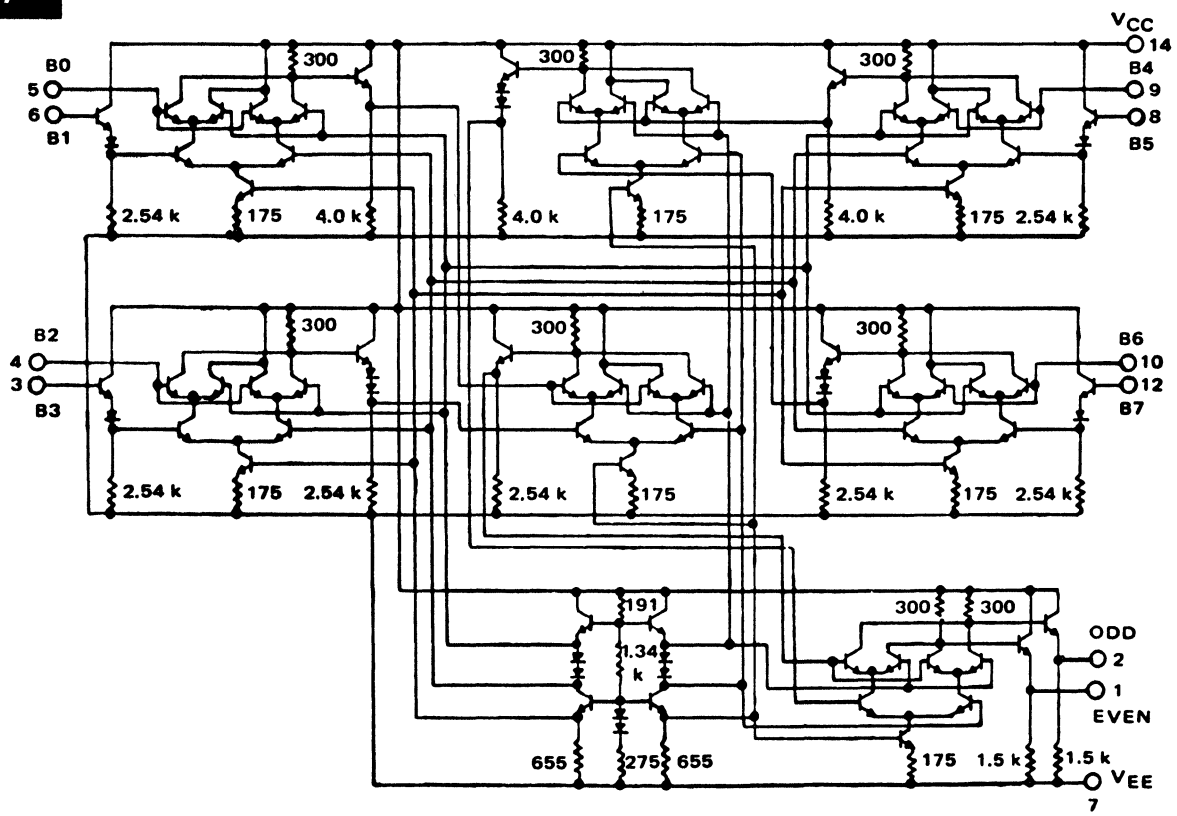
K33-5



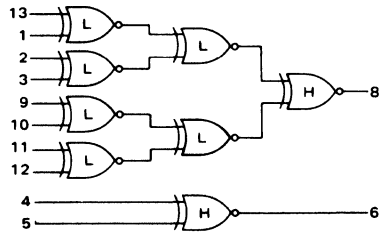
K33-6


Vcc 14

K33-7

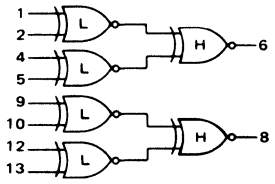

Vcc 14
B0 5
6 B1
B4 9
8 B5
B2 4
3 B3
B6 10
12 B7
300
2.54 k
175
4.0 k
191
1.34 k
655
275
1.5 k
ODD 2
1 EVEN
VEE 7

K33-8



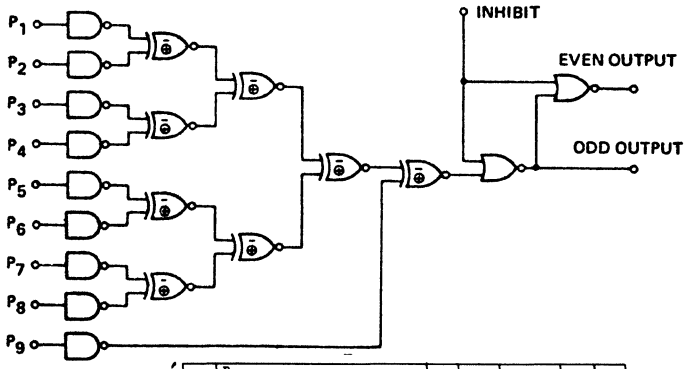
V_{CC} = PIN 14
GND = PIN 7

K33-9



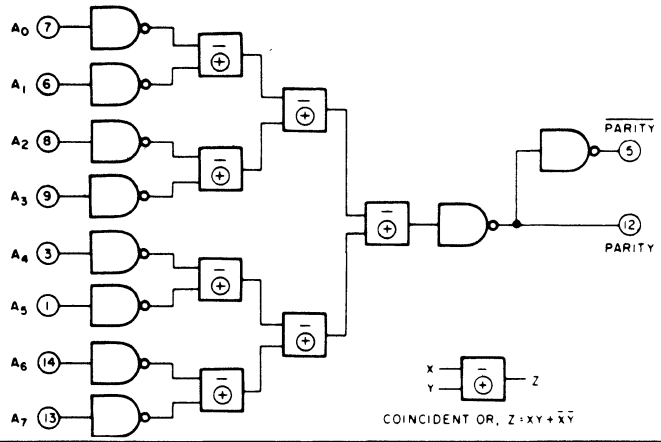
V_{CC} = PIN 14
GND = PIN 7

K33-10



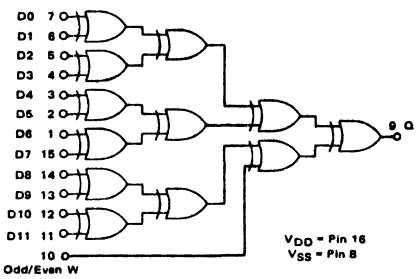
	P									ODD	EVEN	INHIBIT	VCC	GND
	PKG	1	2	3	4	5	6	7	8	9					
K33-10	MP	1	2	3	4	10	11	12	13	5	6	9	8	14	7
	FP	5	6	7	8	14	1	2	3	9	10	13	12	4	11

K33-11



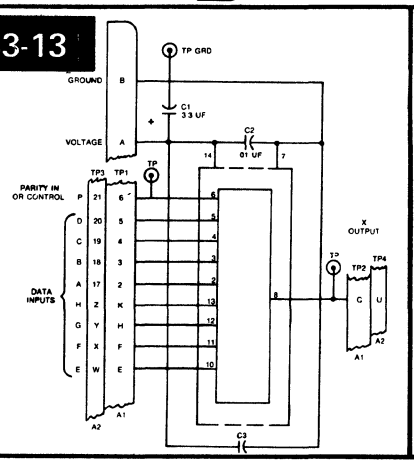
COINCIDENT OR, $Z = XY + \overline{X}\,\overline{Y}$

K33-12

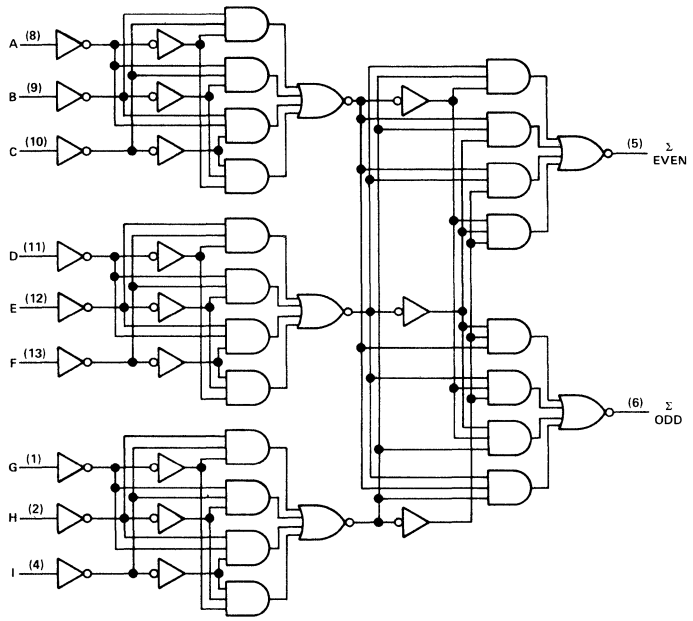


V_{DD} = Pin 16
V_{SS} = Pin 8

K33-13

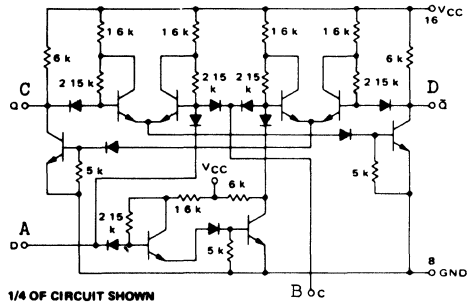


K33-14



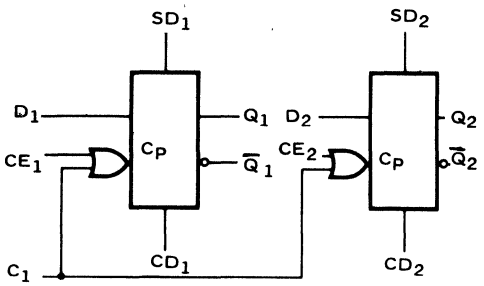
K34-1

	CKT	A	B	C	D
K34-1	1	2	1	3	4
	2	7	1	6	5
	3	9	15	10	11
	4	14	15	13	12



1/4 OF CIRCUIT SHOWN

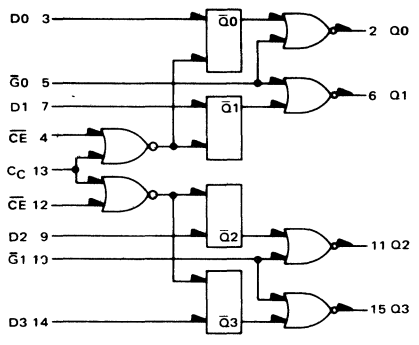
K34-2



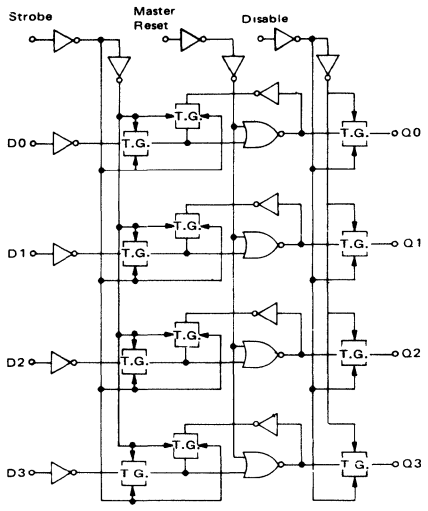
	SD1	D1	CE1	CD1	Q1	$\overline{Q}_1$	C	SD2	D2	CE2	CD2	Q2	$\overline{Q}_2$	VCC	COM	VEE
K34-2	16	14	15	1	3	2	13	9	11	10	8	6	7	4	5	12

K34-3

V_{CC1} = Pin 1
V_{CC2} = Pin 16
V_{EE} = Pin 8

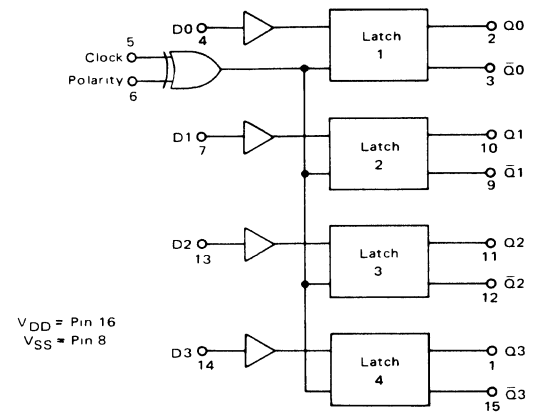


K34-4



	CKT	MR	ST	DISABLE	D				Q			
					0	1	2	3	0	1	2	3
K34-4	1	1	2	3	4	6	8	10	5	7	9	11
	2	13	14	15	16	18	20	22	17	19	21	23

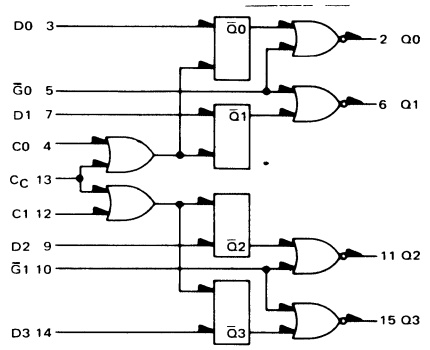
K34-5



V_{DD} = Pin 16
V_{SS} = Pin 8

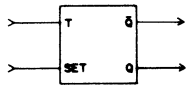
K34-6

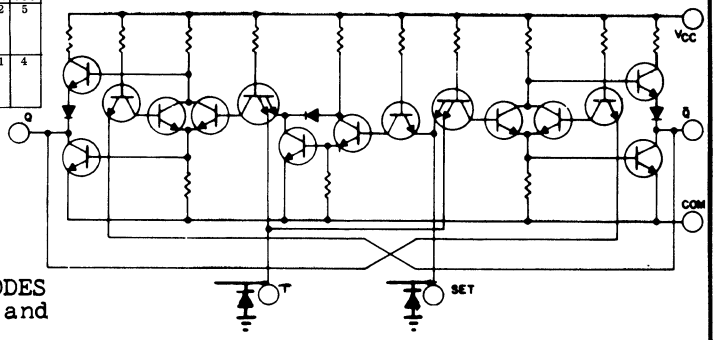
V_{CC1} = 1
V_{CC2} = 16
V_{EE} = 8



K34-7

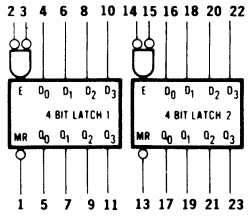
	CKT.NO.	SET	T	Q̄	Q	COM	VCC
K34-7	1	2	13	1	16	12	5
	2	3	13	14	15		
	3	6	4	11	10		
	4	7	4	8	9		
K34-7a	1	1	12		14	11	4
	2	2	12		13		
	3	5	3		9		
	4	7	3		8		





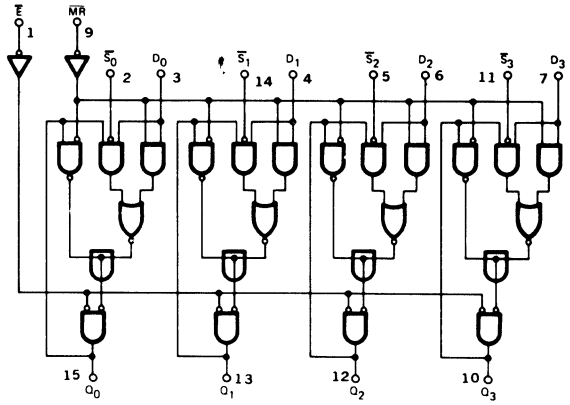
INPUT CLAMPING DIODES FOR A ONLY (US 54 and 74 TYPES)

K34-8

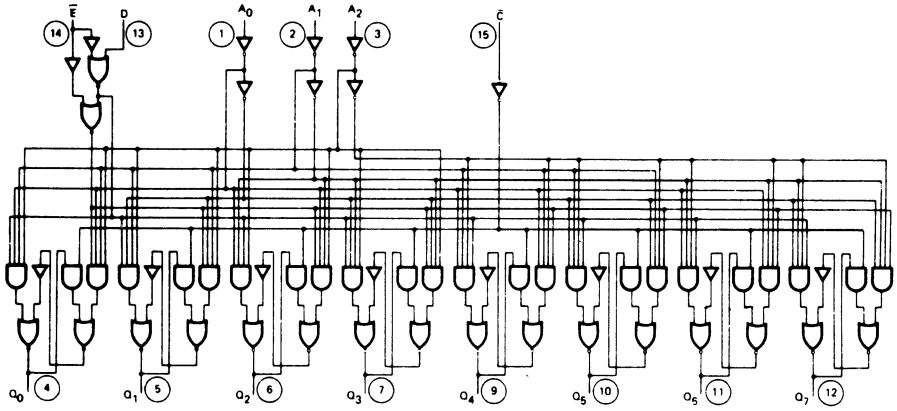


V_{CC} = Pin 24
Gnd = Pin 12

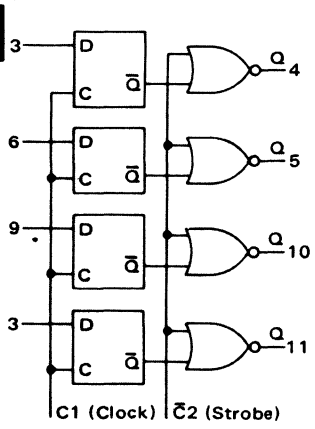
K34-9



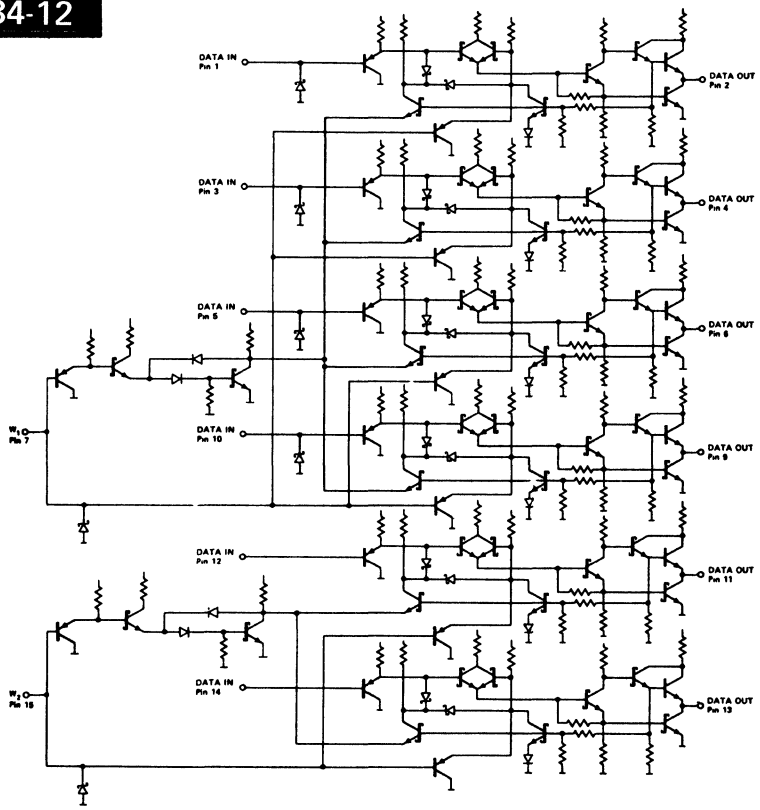
K34-10



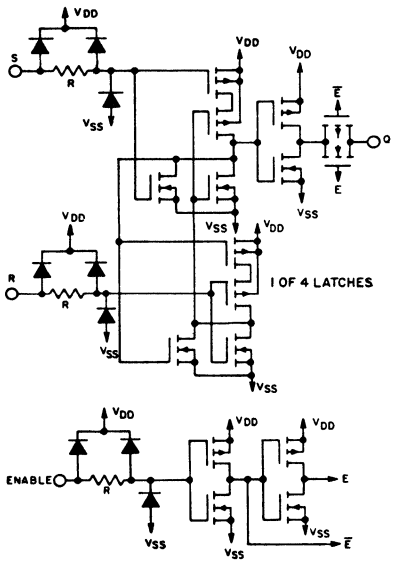
K34-11

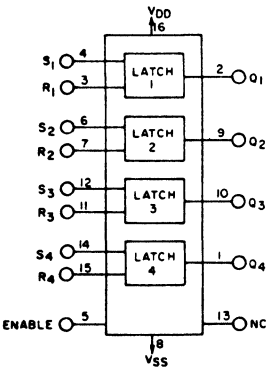


K34-12

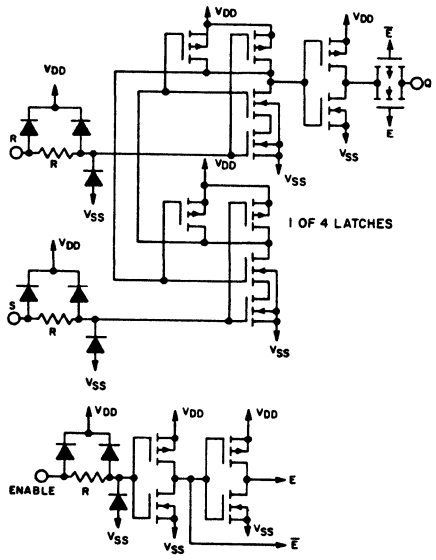


K34-13

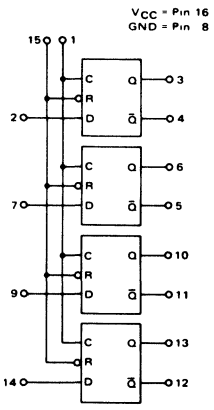


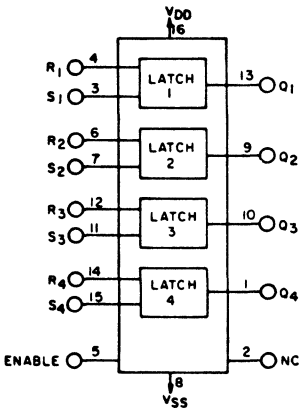


K34-14



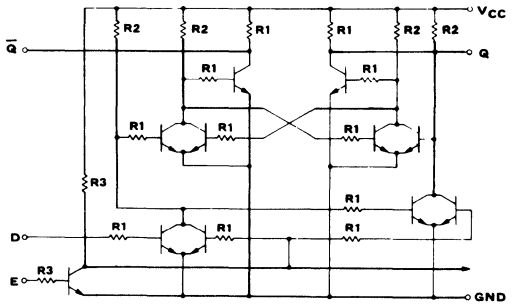
K34-15





K34-16

1/4 OF CIRCUIT SHOWN

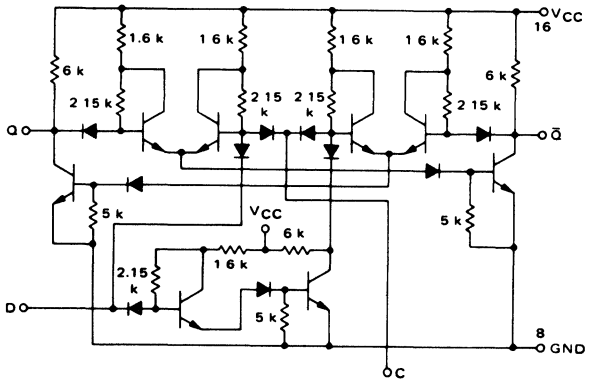


	CKT	D	E	Q̄	Q
K34-16	1	3	5	2	1
	2	6	5	7	8
	3	9	5	10	11
	4	16	5	15	14

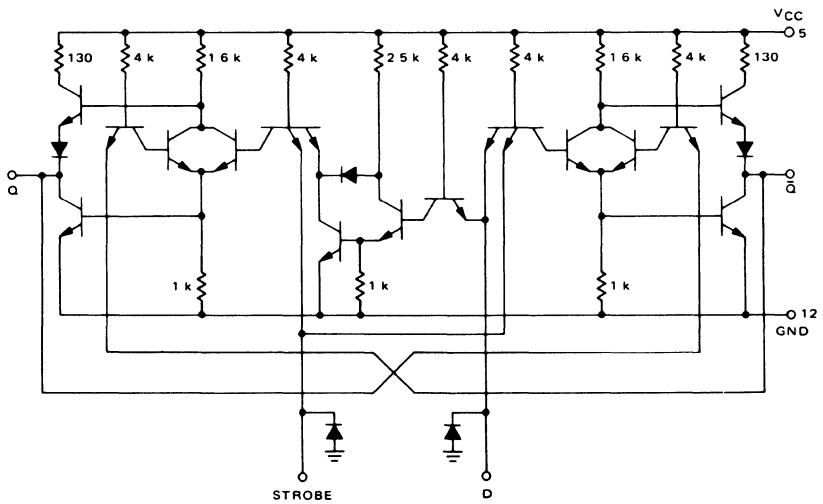
TYPICAL RESISTANCE VALUES
R1=1.5k R3=750 Ω
R2=3.6k

K34-17

	CKT	C	D	Q	Q̄	VCC	GND
K34-17a	1	1	2	3		14	7
	2		6	5	4		
	3	13	8	9	10		
	4		12	11			

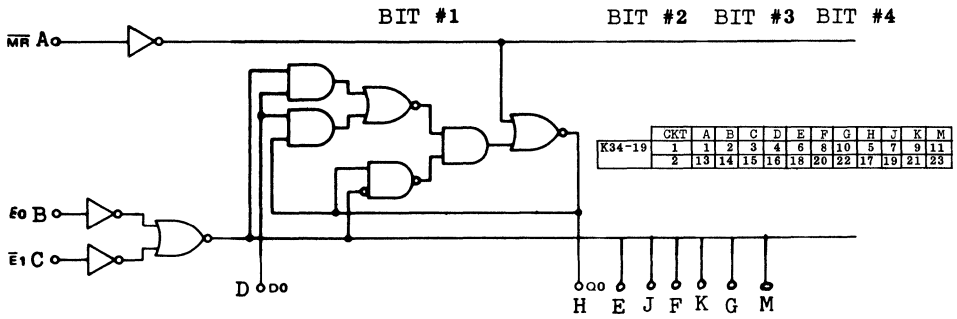


K34-18



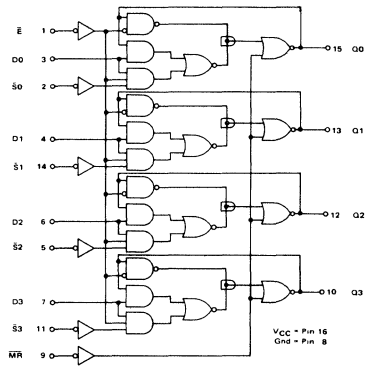
CKT	D	STROBE	Q	Q̄
1	2	13	16	1
2	3	13	15	14
3	7	4	9	8
4	6	4	10	11

K34-19

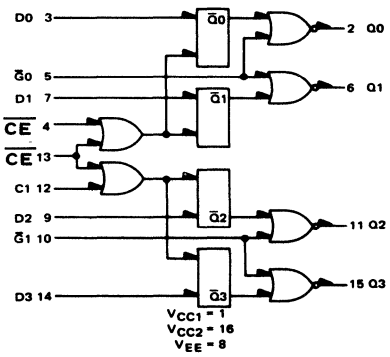


	CKT	A	B	C	D	E	F	G	H	J	K	M
K34-19	1	1	2	3	4	6	8	10	5	7	9	11
	2	13	14	15	16	18	20	22	17	19	21	23

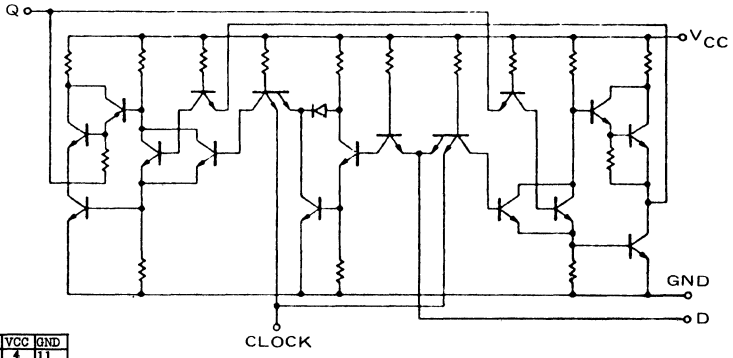
K34-20



K34-21

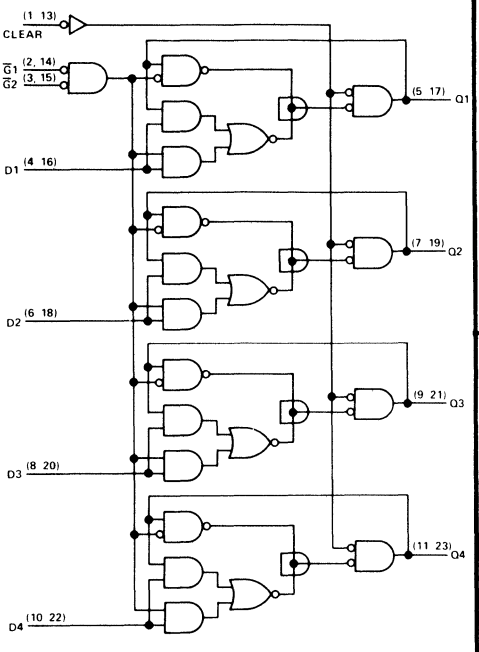


K34-22

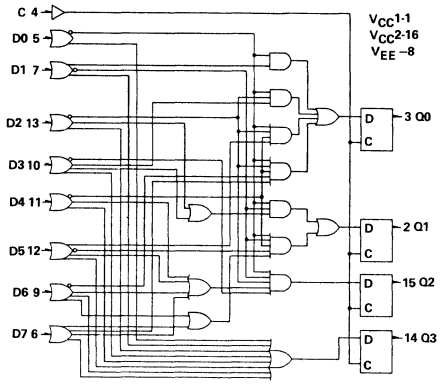


	CKT	Q	T	D	VCC	GND
K34-22	1	14	12	1	4	11
	2	13	12	2		
	3	9	3	5		
	4	8	3	6		

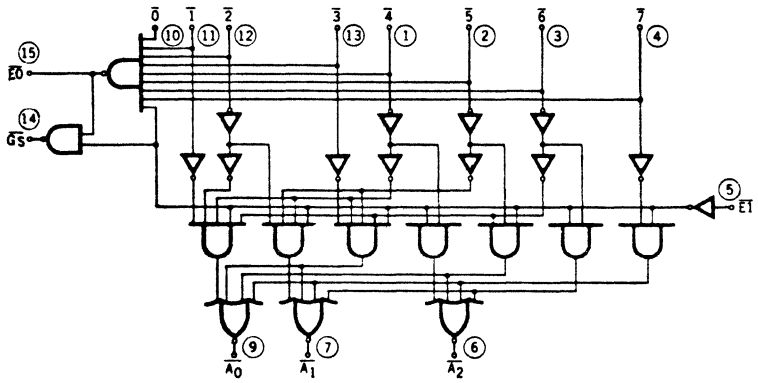
K34-23



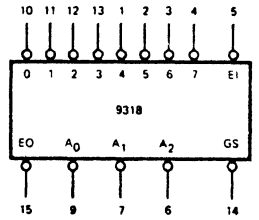
K35-1



K35-2

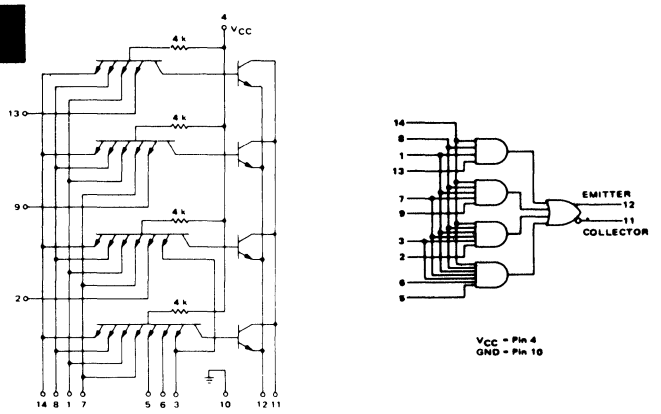


K35-4

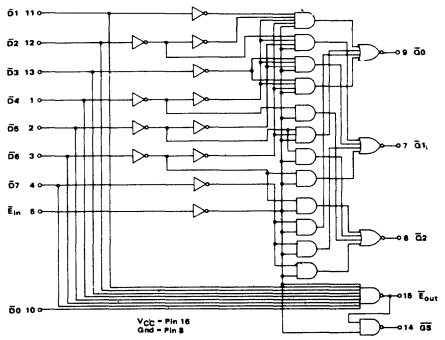


V_{CC} = Pin 16
GND = Pin 8

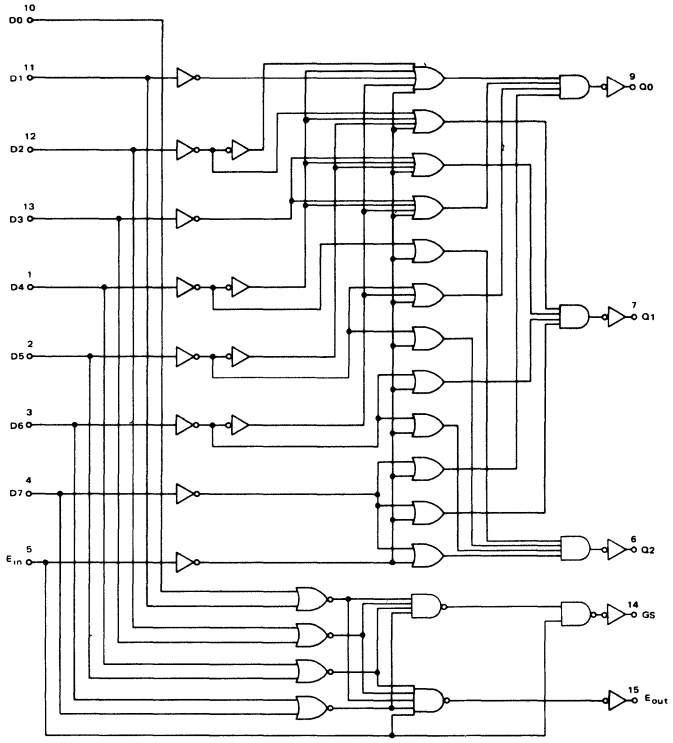
K35-5



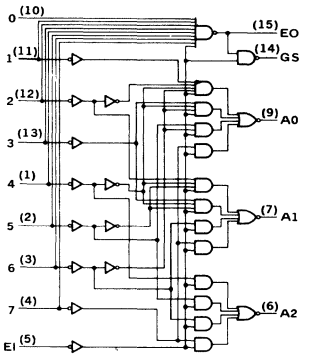
K35-6



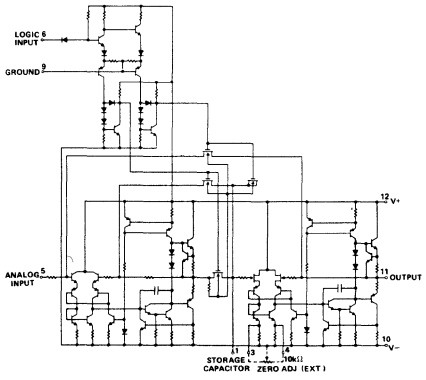
K35-7



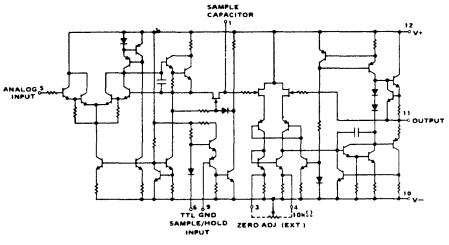
K35-8



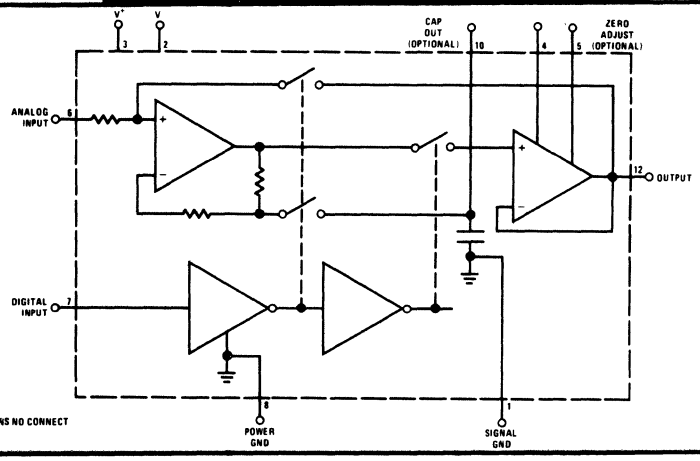
K36-1



K36-2

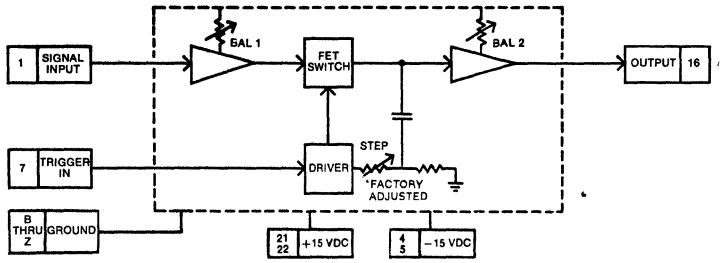


K36-3

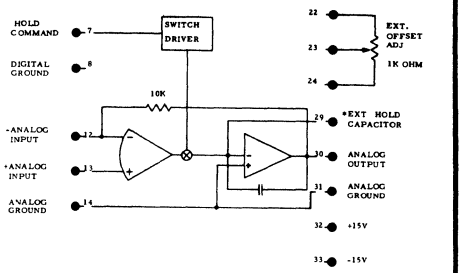


NOTE HOLD MODE (LOGIC "0") SHOWN ALL OTHER PINS NO CONNECT

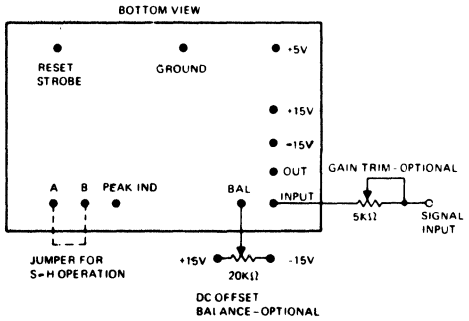
K36-4



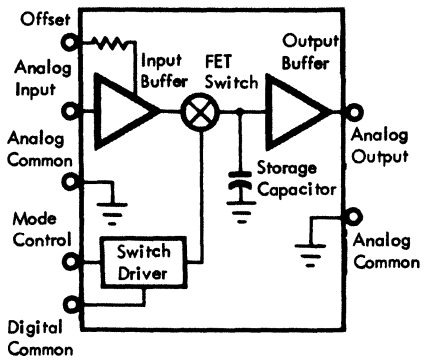
K36-5



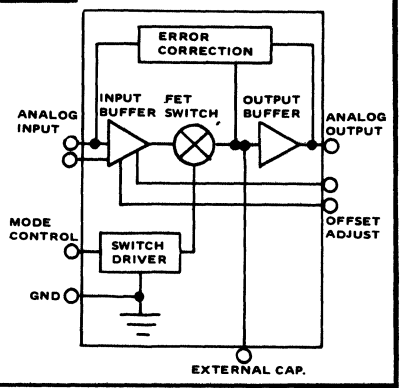
K36-6



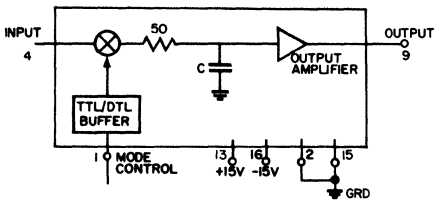
K36-7



K36-8

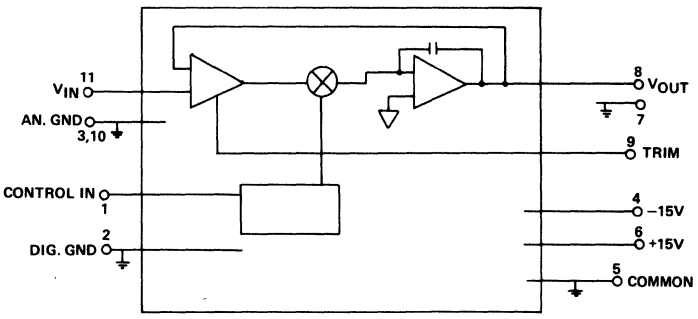


K36-9

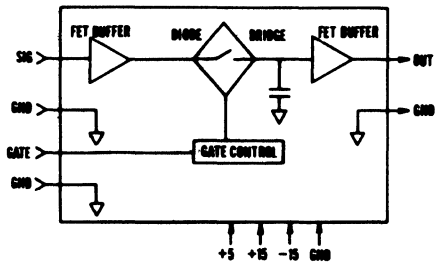


	NOTE
K36-9	C=6.8kpf
K36-9a	C=2.7kpf

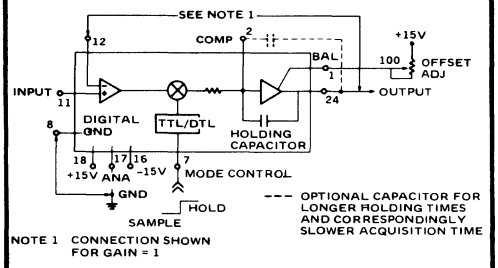
K36-10



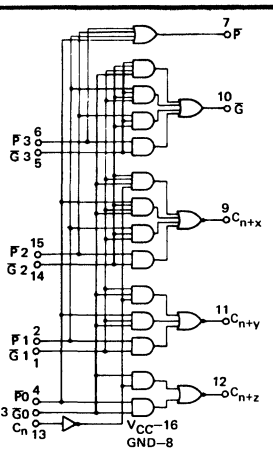
K36-11



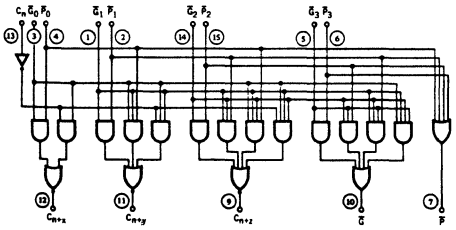
K36-12



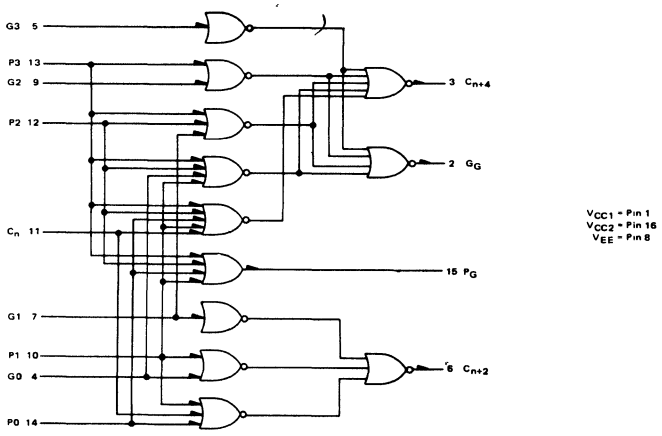
K37-1



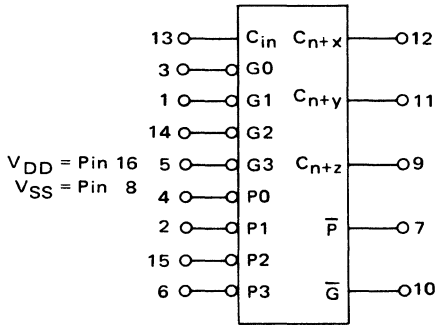
K37-2



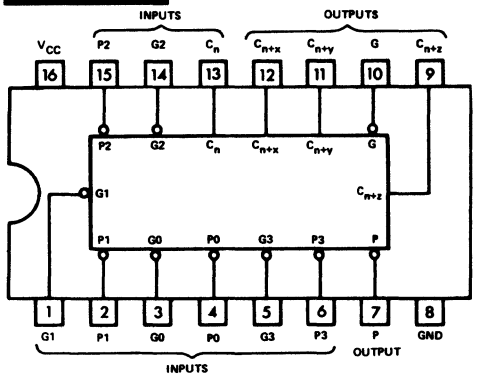
K37-3



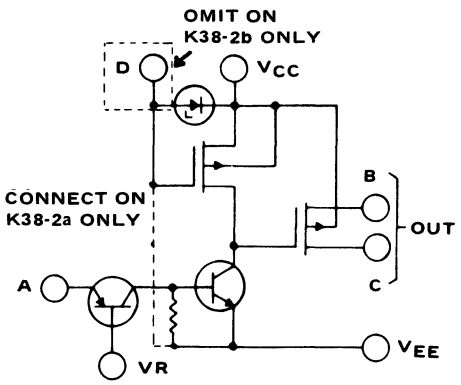
K37-4



K37-5

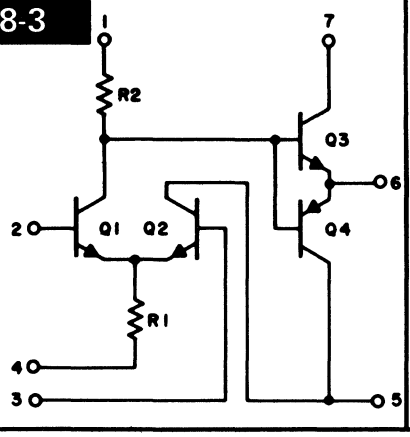


K38-2

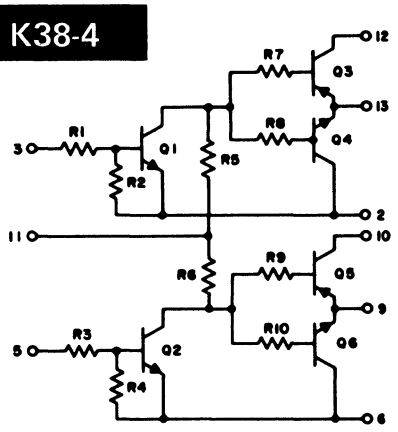


	CKT. NO.	A	B	C	D	VCC	VR	VEE
K38-2a	1	9	13	3	4	12	10	5
	2	8	14	3	4	12	10	5
	3	7	1	3	4	12	10	5
	4	6	2	3	4	12	10	5
K38-2b	1	5	2	3		11	10	4
	2	6	1	3		11	10	4
	3	7	14	3		11	10	4
	4	8	13	3		11	10	4
	5	9	12	3		11	10	4

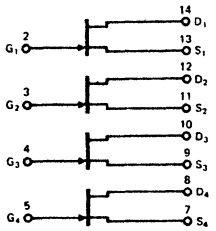
K38-3



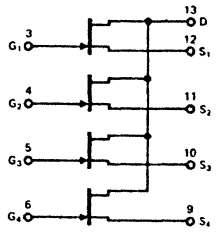
K38-4



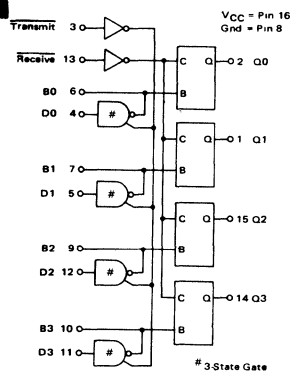
K38-5



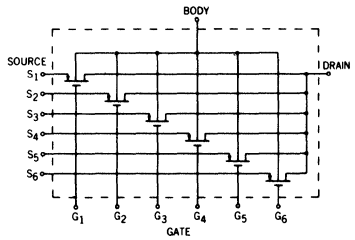
K38-6



K38-8

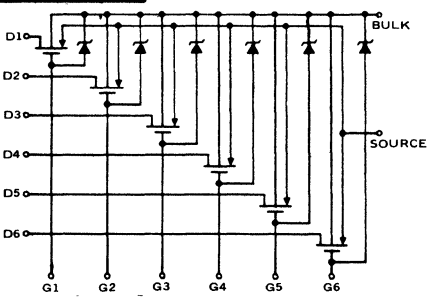


K38-9



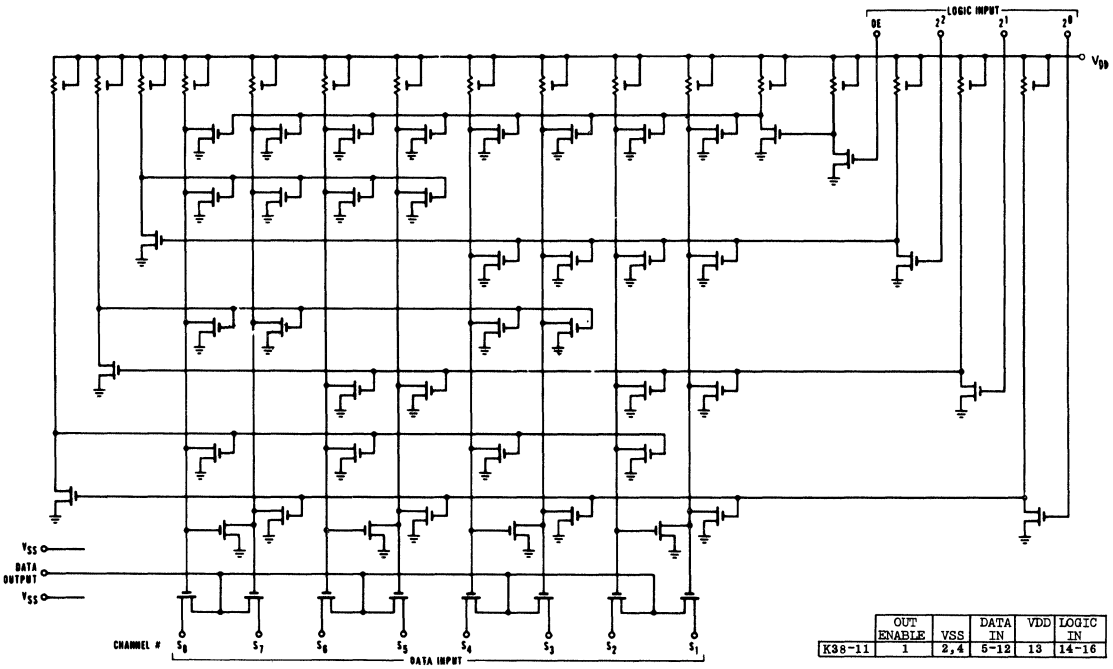
	G1	G2	G3	G4	G5	G6	BODY	DRAIN	S1	S2	S3	S4	S5	S6
K38-9	1	2	3	4	5	6	7	14	13	12	11	10	9	8

K38-10



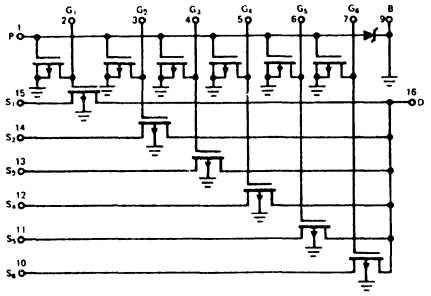
	D						G						BULK	SOURCE
	1	2	3	4	5	6	1	2	3	4	5	6		
K38-10	14	13	12	11	10	9	1	2	3	4	5	6	8	7
K38-10a	14	13	12	11	10	9	1	2	3	4	5	6	7	8

K38-11



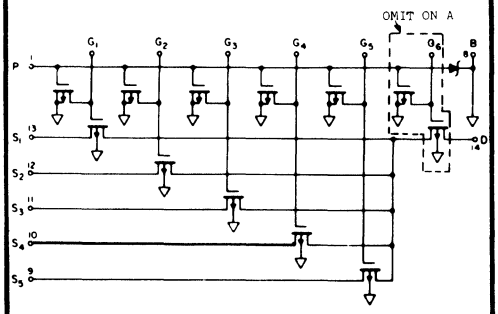
	OUT ENABLE	VSS	DATA IN	VDD	LOGIC IN
K38-11	1	2,4	5-12	13	14-16

K38-12

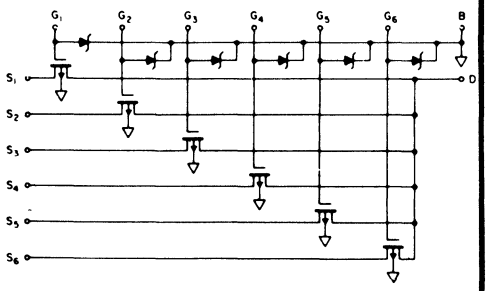


K38-13

	G1	G2	G3	G4	G5	G6
K38-13	3	4	5	6	7	2
K38-13a	2	3	4	5	6	

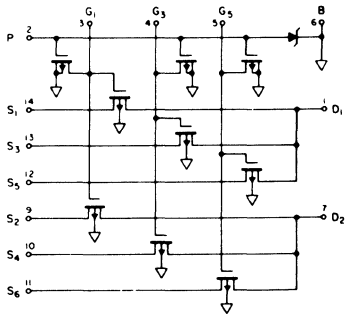


K38-14

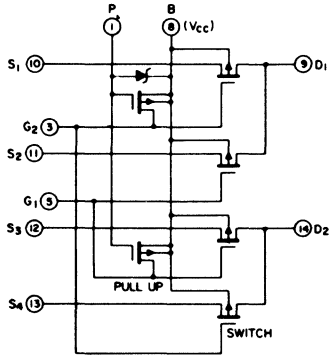


	CKT	S	G	B	D
K38-14	1	14	1		
	2	13	2		
	3	12	3		
	4	11	4		
	5	10	5		
	6	9	6		
K38-14a	1	2	1	5	10
	2	3	4		
	3	7	6		
	4	8	9		
K38-14b	1	14	1	8	7
	2	13	2		
	3	12	3		
	4	11	4		
	5	10	5		
	6	9	6		

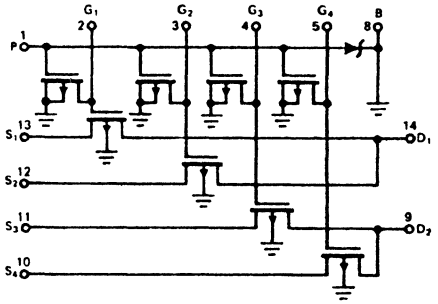
K38-15



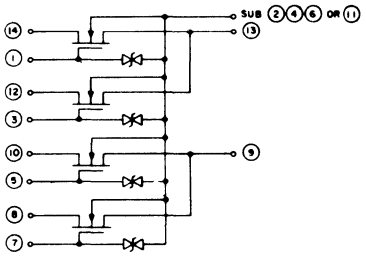
K38-16



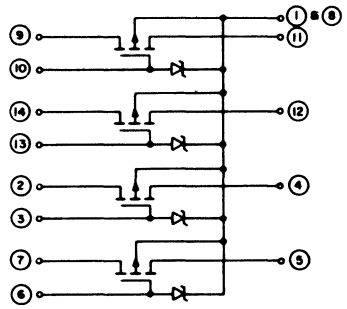
K38-17



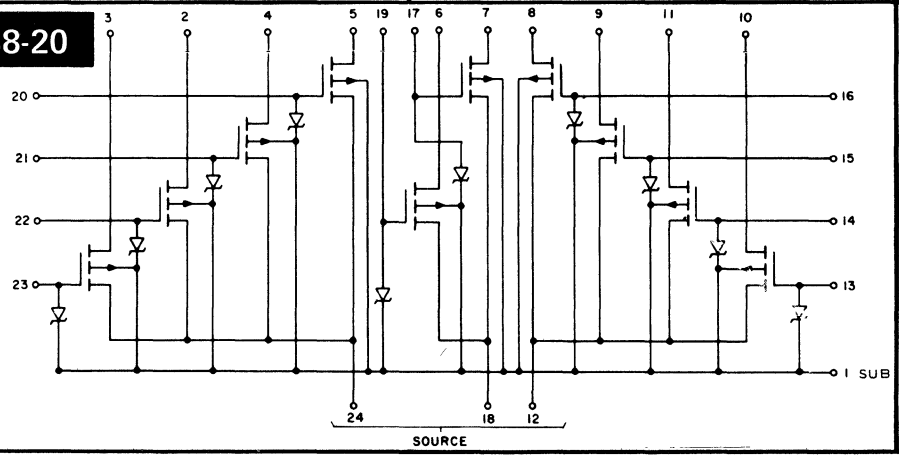
K38-18



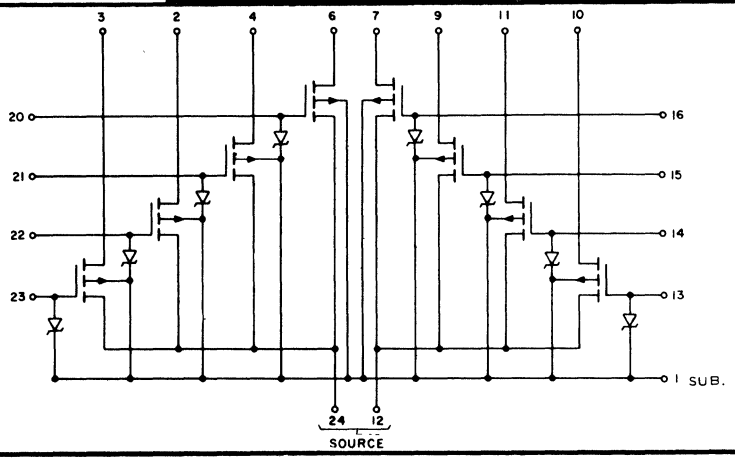
K38-19



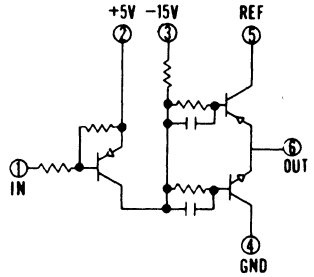
K38-20



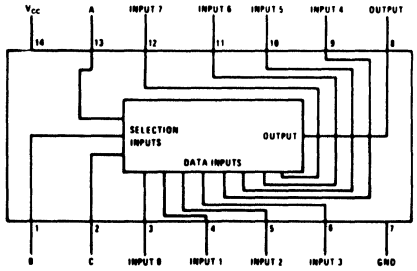
K38-21



K38-22



K38-23



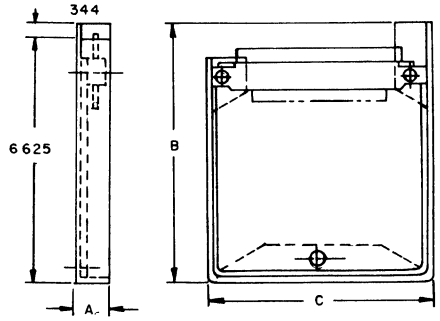
SELECTION INPUTS C	B	A	DATA INPUTS 0	1	2	3	4	5	6	7	OUTPUT
0	0	0	0	X	X	X	X	X	X	X	0
0	0	0	1	X	X	X	X	X	X	X	1
0	0	1	X	0	X	X	X	X	X	X	0
0	0	1	X	1	X	X	X	X	X	X	1
0	1	0	X	X	0	X	X	X	X	X	0
0	1	0	X	X	1	X	X	X	X	X	1
0	1	1	X	X	X	0	X	X	X	X	0
0	1	1	X	X	X	1	X	X	X	X	1
1	0	0	X	X	X	X	0	X	X	X	0
1	0	0	X	X	X	X	1	X	X	X	1
1	0	1	X	X	X	X	X	0	X	X	0
1	0	1	X	X	X	X	X	1	X	X	1
1	1	0	X	X	X	X	X	X	0	X	0
1	1	0	X	X	X	X	X	X	1	X	1
1	1	1	X	X	X	X	X	X	X	0	0
1	1	1	X	X	X	X	X	X	X	1	1

X = Don't Care Condition

SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

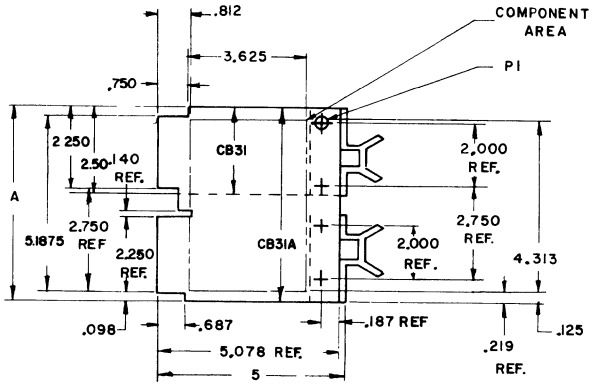
CB30



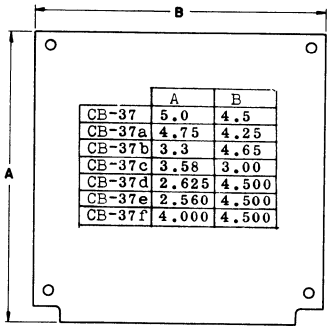
	A	B	C
CB30	.50	6.968	4.50
CB30 A	1.0	6 968	4.50
CB30 B	.50	14	4.50
CB30 C	.50	14	9.406
CB30 D	.50	10.1875	4.50

[redacted]

CB-31

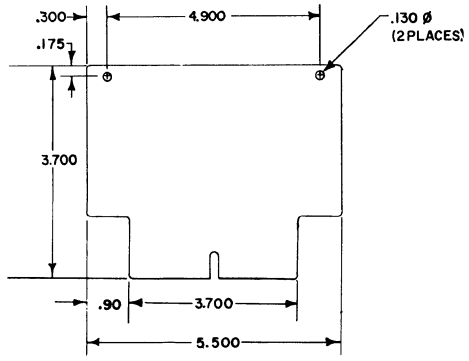


CB-37

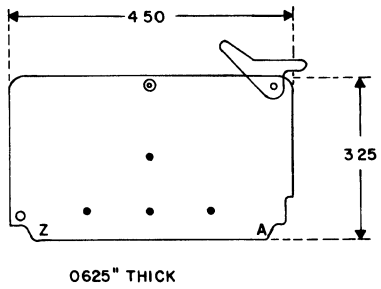


	A	B
CB-37	5.0	4.5
CB-37a	4.75	4.25
CB-37b	3.3	4.65
CB-37c	3.58	3.00
CB-37d	2.625	4.500
CB-37e	2.560	4.500
CB-37f	4.000	4.500

CB-50

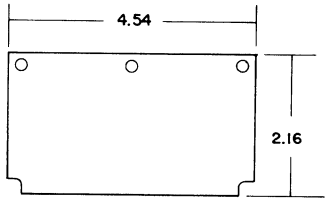


CB-53

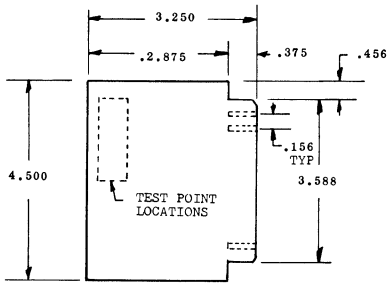


0625" THICK

CB-55

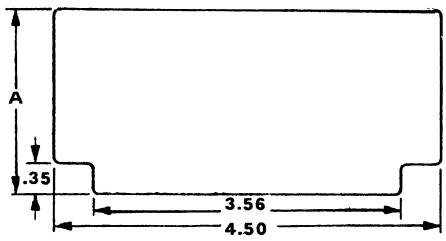


CB-56



[redacted]

CB-62

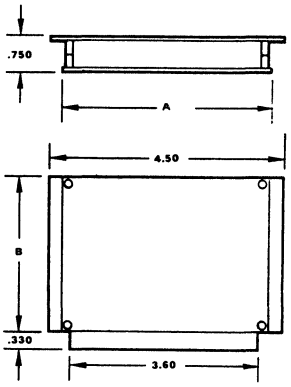


	A
CB62	2.16
CB62a	2.33 MAX

SECTION 13. OUTLINE DRAWING

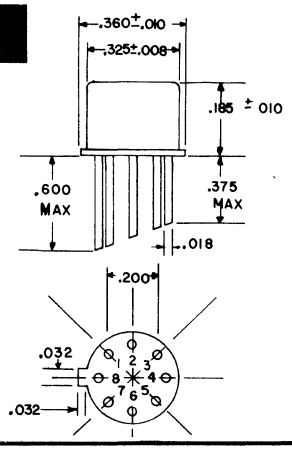
IN DRAWING NUMBER SEQUENCE

CB-63

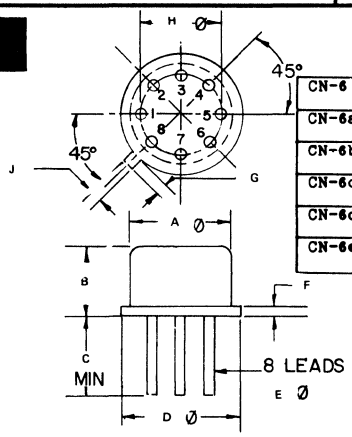


	A	B
CB63	4.00	3.00
CB63a	4.40	1.80

CN-2

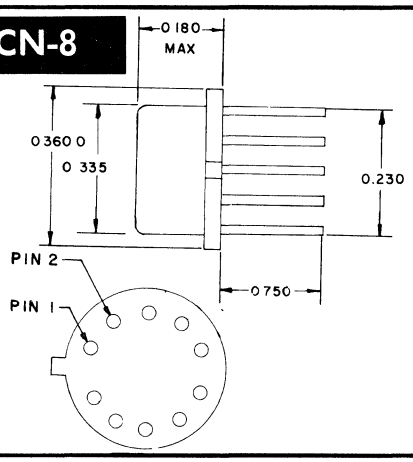


CN-6

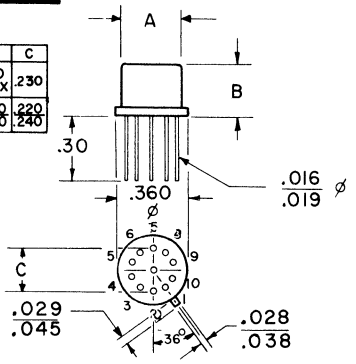


	A	B	C	D	E	F	G	H	J
CN-6	.305 .335	.290 .310	1.500 MIN	.335 .370	.016 .019	.013 .016	.029 .045	.228 .232	.028 .034
CN-6a	.305 .335	.165 .185	.500 MIN	.340 .370	.016 .019	.010 .080	.029 .042		.028 .034
CN-6b	.290 .335	.190 MAX	.500	.290 .370	.016 .019	.009 .125	.029 MIN	.200	.028 .034
CN-6c	.305 .335	.165 .185	.500 MIN	.335 .370	.016 .019	.009 .125	.029 .045	.190 .210	.028 .034
CN-6d	.305 .335	.240 .259	.500	.335 .370	.016 .018	.009 .125	.029 .044	.200	.027 .033
CN-6e	.305 .335	.165 .185	.500 MIN	.335 .370	.016 .019	.009 .025	.029 .045	.220 .240	.028 .034

CN-8

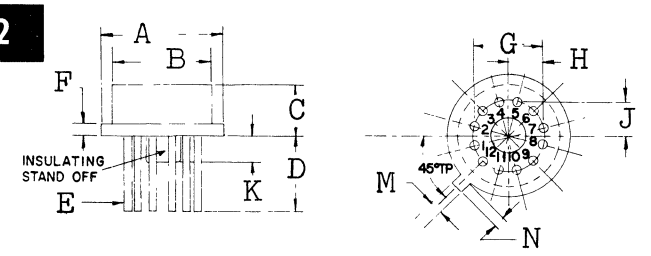


CN-9



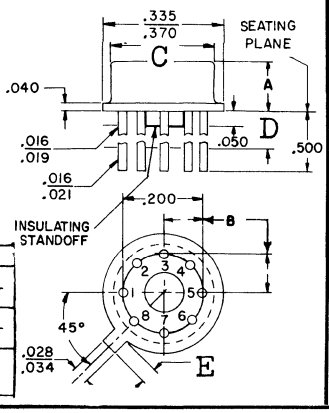
	A	B	C
CN9	.335 MAX	.180 MAX	.230
CN9a	.315 .335	.170 .190	.220 .240

CN-12



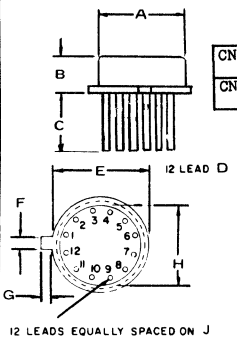
	A	B	C	D	E	F	G	H	J	K	M	N
CN-12	.335 .370	.305 .335	.165 .185	.500 MIN.	.016 .019	.025 TYP	.200 TYP	.100 TYP	.100 TYP	.030 TYP	.028 .034	.029 .034
CN-12a	.335 .370	.305 .335	.165 .185	.470 .530	.016 .019	.040 MAX.	.230 TYP			.050 MAX.	.028 .034	.029 .045

CN-13



	A	B	C	D	E
CN-13	.165 .185	.100	.305 .335	.250	.029 .045
CN-13a	.140 .160	.100	.305 .335	.250	.029 .045
CN-13b	.185 MAX	.105	.302 MAX		.034 MAX

CN-18

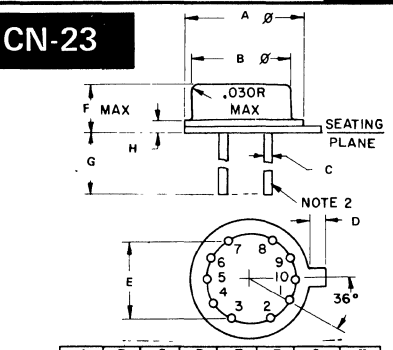


	A	B	C	D	E	F	G	H	J
CN18	.315 .325	.170 .180	.500 MIN	.016 .019	.355 .365	.028 .034	.029 .033	.268 MIN	.190 .210
CN18a	.545 .555	.150 .175	.500 .560	.016 .019	.597 .603	.026 .036	.026 .036		.400

SECTION 13. OUTLINE DRAWING

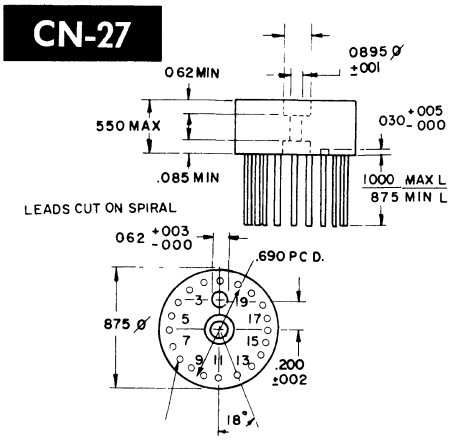
IN DRAWING NUMBER SEQUENCE

CN-23

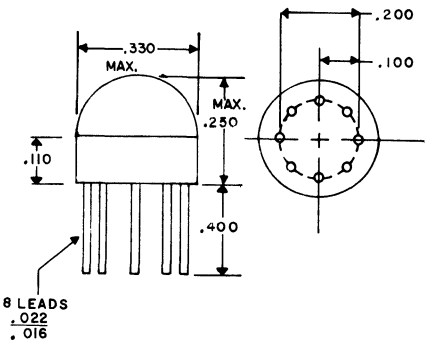


	A	B	C	D	E	F	G	H
CN23	.358 .370	.322 .335	.016 .019	.036 .046	.200	.175 MAX	1.500 1.625	.035
CN23a	.340 .370	.305 .335		.029 .042		.165 .185	.500 1.500	.010 .080
CN23b	.335 .370	.319 .329		.030 .040	.225 .235	.260 .290	.500 MIN	.022 .029

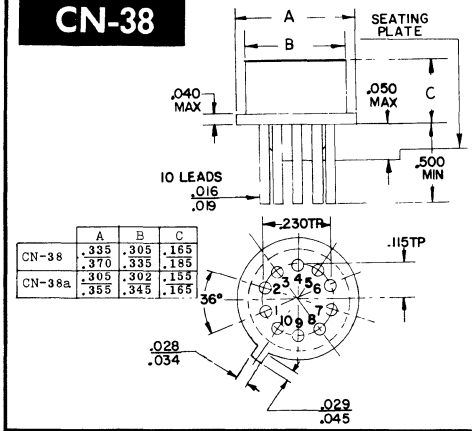
CN-27



CN-34

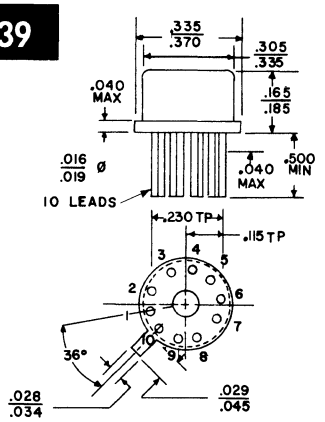


CN-38

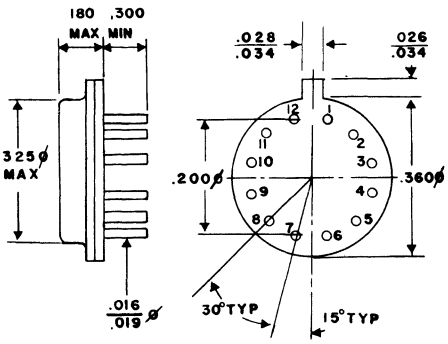


	A	B	C
CN-38	.335 .370	.305 .335	.165 .185
CN-38a	.305 .355	.302 .345	.155 .165

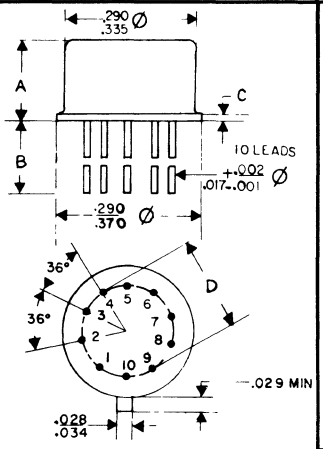
CN-39



CN-42

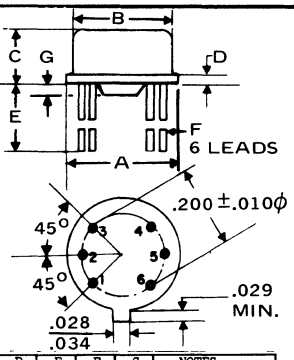


CN-43



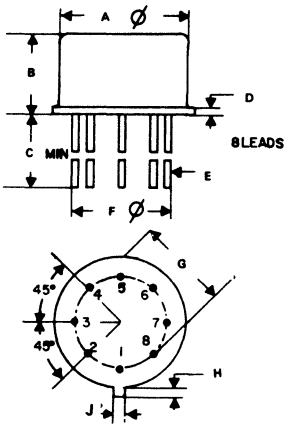
	A	B	C	D
CN-43	.240 .260	1.500 MIN	.009 .125	.190 .210
CN-43a	.160 .180	1.500 MIN	.009 .125	.190 .210
CN-43b	.260 MAX	.500 MIN	.040 MAX	.230

CN-44



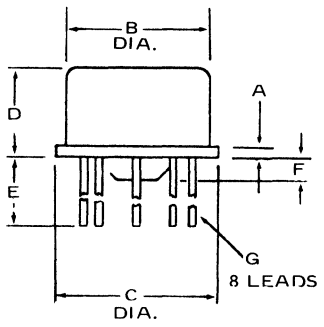
	A	B	C	D	E	F	G	NOTES
CN44	.290 .370	.290 .335	.160 .180	.009 .125	1.50 MIN	.016 .019	NA	
CN44a	.335 .370	.305 .335	.165 .185		.500 MIN	.016 .021	NA	
CN44b	.360	.326 MAX	.255 MAX		.500 MIN	.017 DIA	.015 .040	GLASS STAND OFF

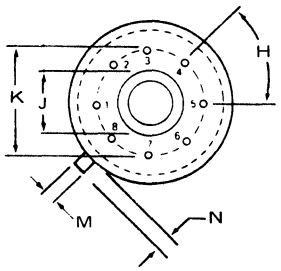
CN-45



	A	B	C	D	E	F	G	H	J
CN45	.290 .370	.160 .180	1.500	.009 .125	.017	.290 .370	.200	.029	.028 .034
CN45a	.305 .335	.165 .185	.500	.009 .125	.016 .019	.335 .370	.190 .210	.029 .045	.028 .034

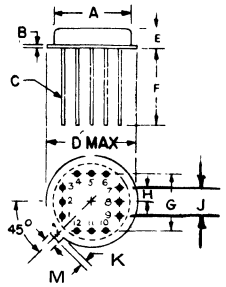
CN-46





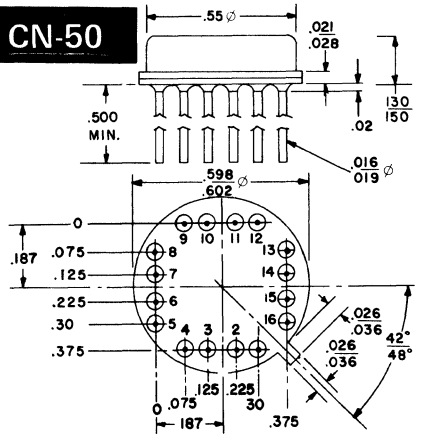
	A	B	C	D	E	F	G	H	J	K	M	N
CN46	.040	.305 .335	.335 .370	.165 .185	.500 MIN	.050 MAX	.016 .019	45°		.200	.028 .034	.029 .045
CN46a	.004 .125	.305 .335	.335 .370	.165 .185	.500 MIN	.050 MAX	.016 .019	45°		.200	.028 .034	.029 .045
CN46b	.020 .030	.315 .325	.355 .370	.165 .185	.500 .562	.015 .045	.016 .019	45°	.120 .160	.190 .210	.028 .034	.029 .040

CN-48

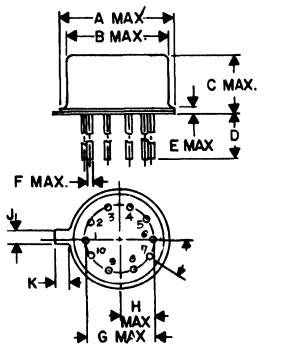


	A	B	C	D	E	F	G	H	J	K	M
CN48	.500	.023	.020	.602	.140	.500 TYP	.400	.100		.026 .036	.026 .036
CN48a	.550	.030 MAX	.019	.602	.140	.500 TYP	.400	.100		.026 .036	.026 .036
CN48b	.425	.030	.019	.502	.140	.500 TYP	.400	.100		.026 .036	.026 .036
CN48c	.444 .524	.115 MAX	.027 .033	.650	.270 .330	.360 .440	.400	.100		.026 .066	.026 .036
CN48d	.550		.017	.600	.170	.500	.400	.100		.026 .036	.026 .036
CN48e	.450		.016 .019	.495 .505	.125 .150	.360 .440	.300 TYP	.075		.026 .036	.026 .036
CN48f	.550		.017	.597 .603	.190 MAX	.500 MIN	.400 TYP	.100 TYP		.026 .036	.026 .036
CN48g	.470 MAX	.030 MAX	.016 .019	.498 .502	.130 .150	.500 MIN		.075	.150	.026 .036	.026 .036
CN48h	.423 .427	.030 MAX	.016 .019	.498 .502	.130 .150	.500 MIN		.075	.150	.026 .036	.026 .036
CN48j	.444 .460	.030 MAX	.016 .021	.497 .507	.130 .150	.500 MIN	.300	.075		.026 .036	.026 .036
CN48k	.540 .570	.030 MAX	.016 .021	.597 .603	.130 .150	.500 MIN	.400	.100		.026 .036	.026 .036
CN48m	.550		.017	.598 .602	.125 .150	.500 MIN	.400	.100	.200	.026 .036	.026 .036
CN48n	.460 MAX		.017	.495 .505	.175 .185	.500 MIN	.300	.100	.200	.026 .036	.026 .036
CN48p	.535 .565	.026 MAX	.017 .019	.585 .615	.175 MAX	.500 MIN	.400	.100	.200	.020 .040	.020 .040
CN48q	.550		.017	.597 .607	.170 MAX	.500 MIN	.400	.100		.031	.031
CN48r	.450	.015	.018	.500	.255	.935	.300	.075	.150	.031	.031
CN48s	.500 .560	.040 MAX	.016 .019	.565 .635	.240 .260	.500 MIN	.400 T.P.	.200 T.P.	.200	.026 .036	.026 .036
CN48t	.545 .555	.022 .030	.016 .019	.497 .503	.150 .175	.500 .560	.400	.100	.200	.026 .036	.026 .036

CN-50

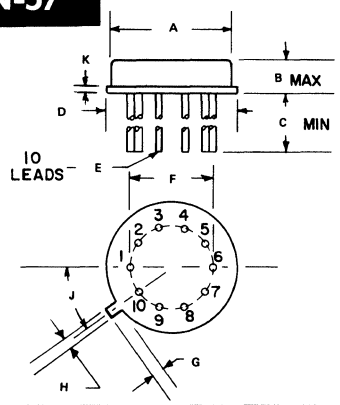


CN-54



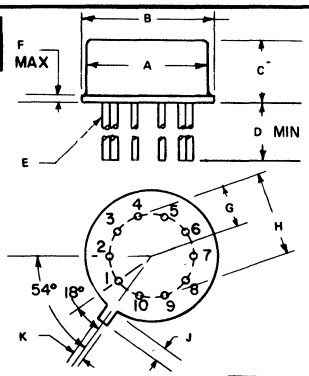
	A	B	C	D	E	F	G	H	J	K
CN 54 A	370	335	180	75		019	230		034	034

CN-57



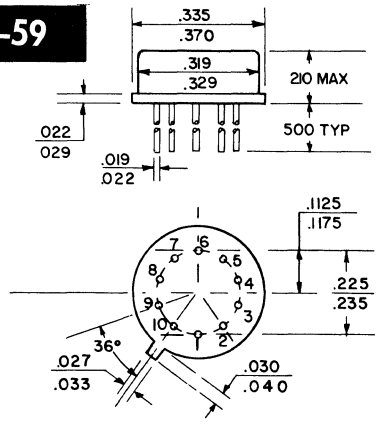
	A	B	C	D	E	F	G	H	J	K
CN57	.305 .335	.180	.500	.335 .370	.016 .019	.215 .245	.024 .045	.028 .034	36°	
CN57a	.305 .335	.165 .259	.500 MIN	.335 .370	.016 .018	.220	.029 .045	.028 .034	45°	.009 .125
CN57b	.305 .335	.240 .259	.500 MIN	.335 .370	.016 .018	.230	.029 .044	.027 .033	36°	.009 .125

CN-58

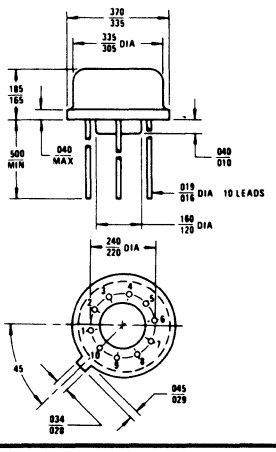


	A	B	C	D	E	F	G	H	J	K
CN58	.305 .333	.335 .370	.160 .180	.500 MIN	.016 .019	.040 MAX	.100	.200	.029 .045	.028 .034
CN58a	.305 .335	.340 .370	.165 .185	.500 MIN	.016 .019	.010 .080			.029 .042	.028 .034

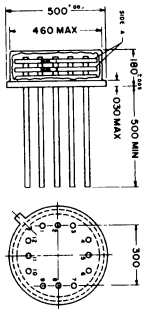
CN-59



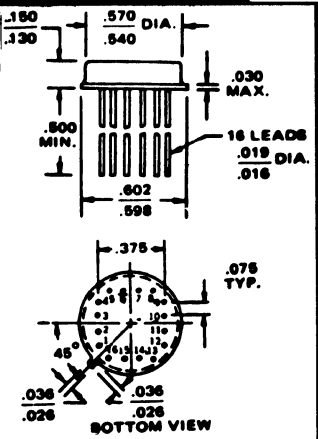
CN-63



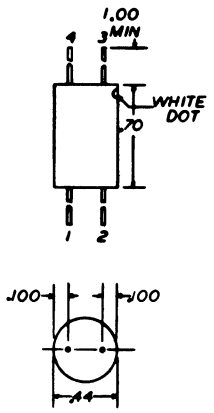
CN65



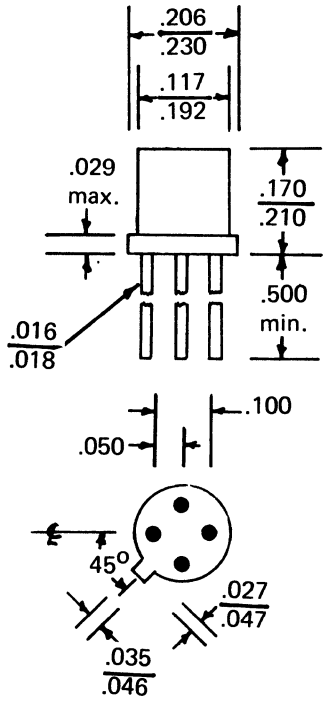
CN-66



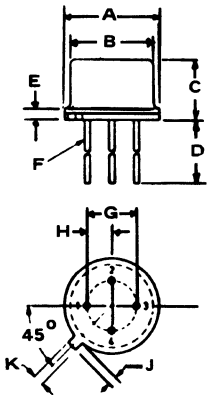
CN-67



CN-70

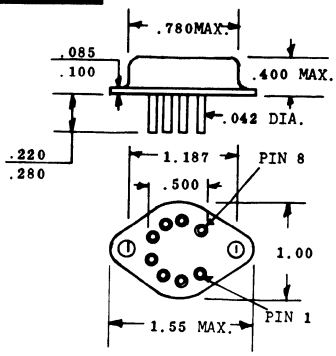


CN-71

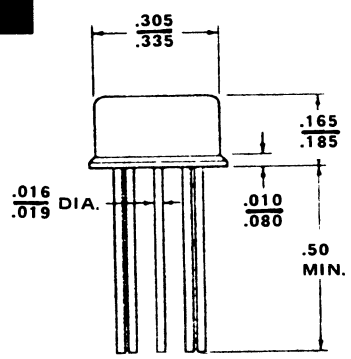


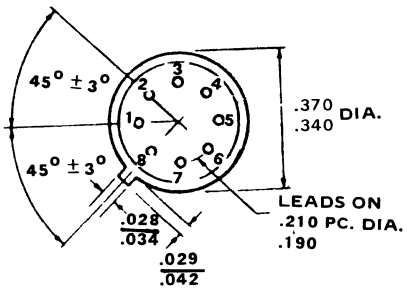
	A	B	C	D	E	F	G	H	J	K
CN71	.335 .370	.303 .334	.240 .259	.500 MIN	.009 .125	.016 .018	.200	.100	.029 .044	.027 .033
CN71a	.340 .370	.318 .328	.165 .185	.500 .560	.010 .040	.016 .021	.190 .210		.029 .033	.028 .034

CN72

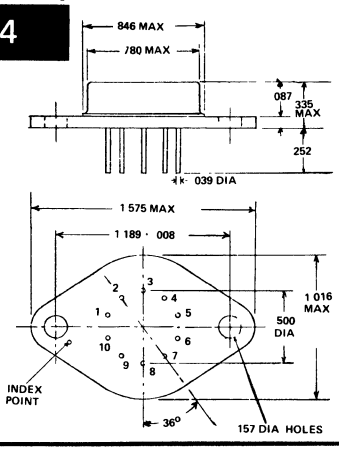


CN-73





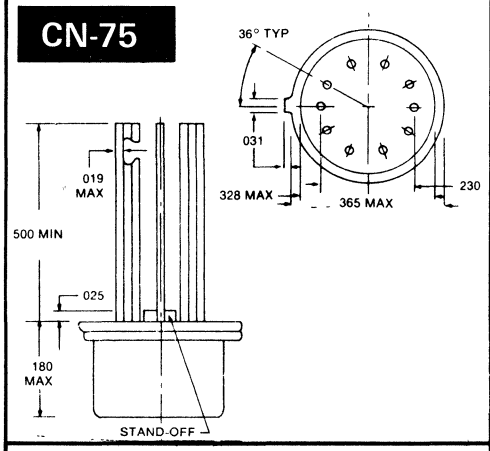
CN-74



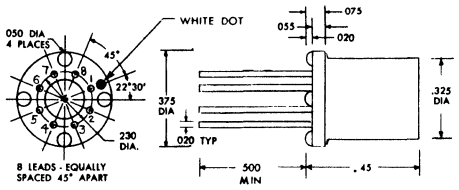
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

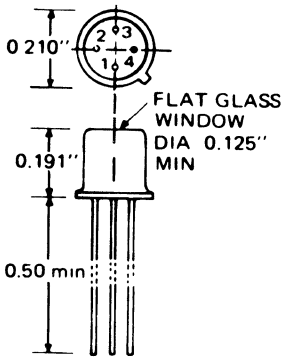
CN-75



CN76

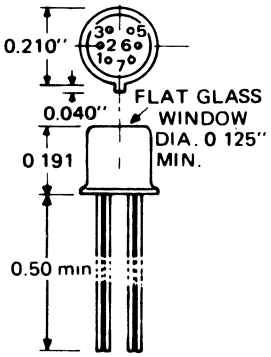


CN77



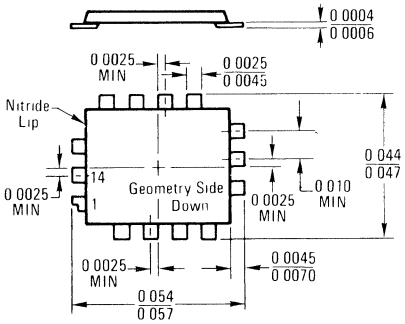
4 leads 0 019" max dia on 0 10" P C D.

CN78



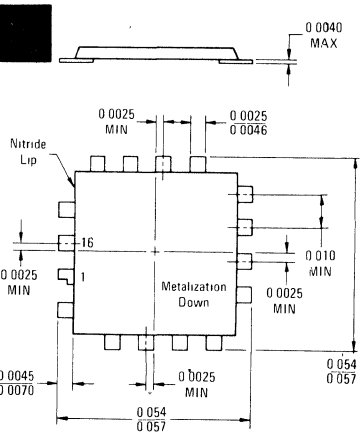
6 leads 0.019" max. dia On 0.10" P.C.D.

FC-1

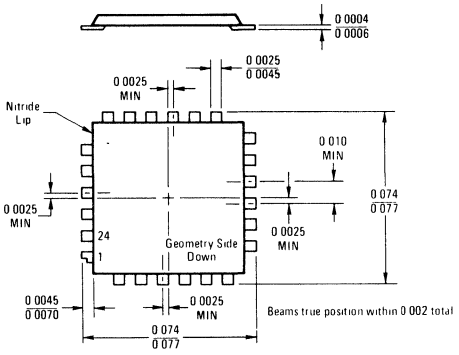


Beams true position within 0 002 total

FC-2

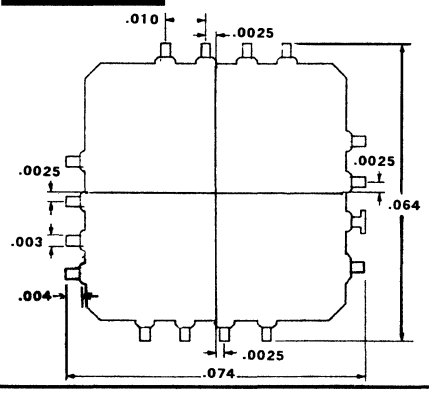


FC-3

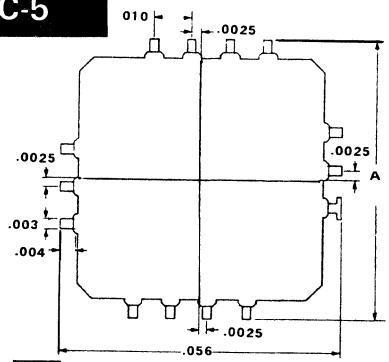


Beams true position within 0 002 total

FC-4

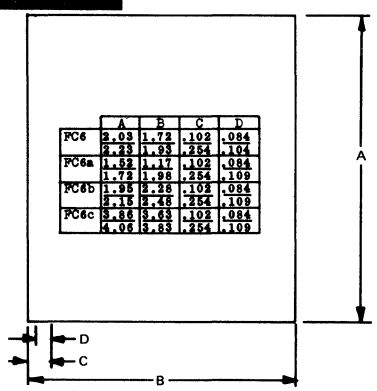


FC-5



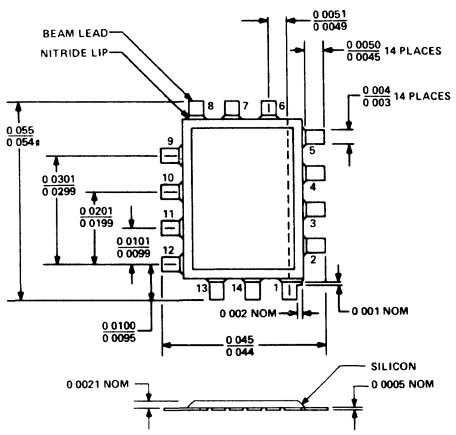
	A
FC5	.056
FC5a	.048

FC6



	A	B	C	D
FC6	2.03	1.72	.102	.084
	2.23	1.93	.254	.104
FC6a	1.52	1.17	.102	.084
	1.72	1.98	.254	.109
FC6b	1.95	2.26	.102	.084
	2.15	2.46	.254	.109
FC6c	3.86	3.63	.102	.084
	4.06	3.83	.254	.109

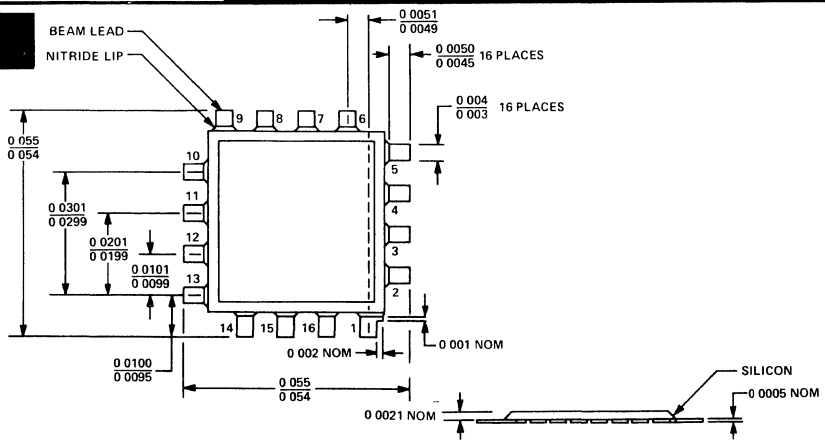
FC7



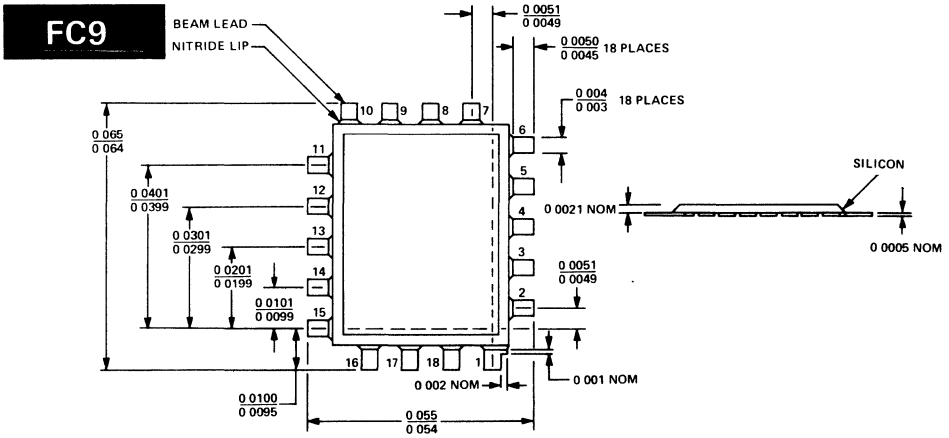
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

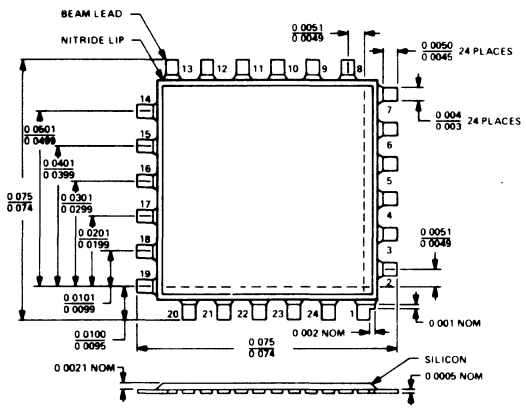
FC8



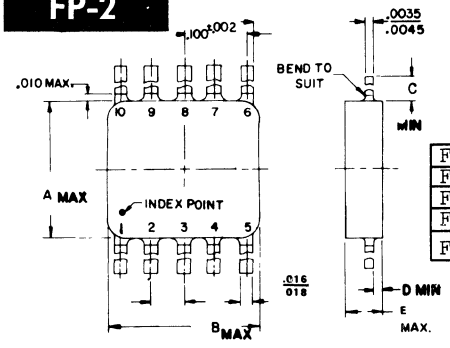
FC9



FC10

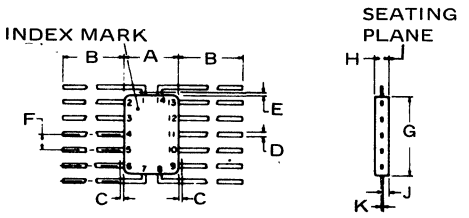


FP-2



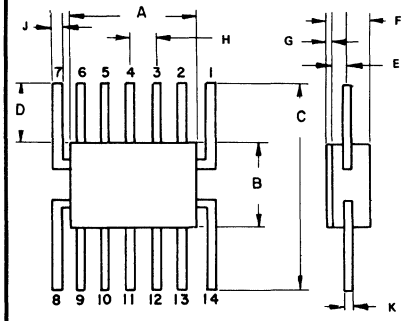
	A	B	C	D	E
FP2	.250	.250	.210	.010	
FP2a	.260		.210	.010	
FP2b	.260	.260	.250	.024	
FP2c	.250	.250			.070
FP2d	.250	.250		.015	.050

FP-18



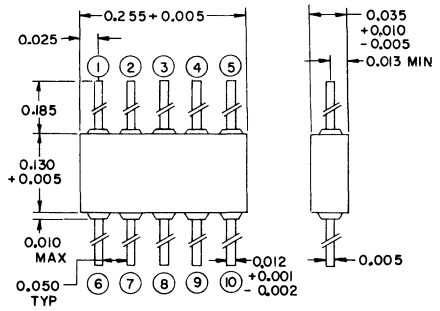
	A	B	C	D	E	F	G	H	J	K
FP18	.160 .195	.300 MIN	.015	.010 .019	.015	.050	.240 .275	.040 .070	.015 .030	.003 .006
FP18a	.200 .300	.150 .350		.015 .019		.050		.008 .100	.005 .050	.002 .006

FP-21

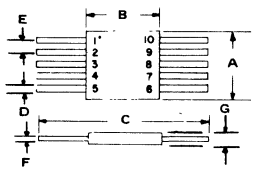


	A	B	C	D	E	F	G	H	J	K
FP-21	.250	.250	.774 MAX	.262	.025	.060	.010	.050	.013 .019	.004
FP-21b	.240 .270	.165 .195	.865 .895			.065 MAX			.014 .017	.003 .006
FP-21c	.250	.175			.020	.060	.010			.004
FP-21d	.255	.255	.795	.270	.023	.047		.050		.006
FP-21e	.257 REF	.165 MAX	.500 TYP			.055 MAX		.050 TYP		.005 .003
FP-21f	.260 MAX	.260 MAX	1.00	.250 MIN		.070 MAX		.050	.015 .019	.004 .006
FP-21g	.240 .270	.165 .195	.865 .895			.065 MAX		.045 .055	.014 .017	.0035 .0055
FP-21h	.240 .270	.240 .270		.250 .370	.020 .030	.050 .070		.045 .055	.015 .019	.004 .006
FP-21j	.260	.260 MAX		.187		.050		.050		

FP-22

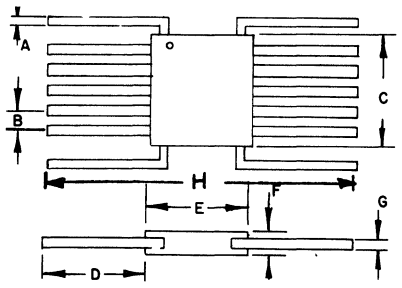


FP-26



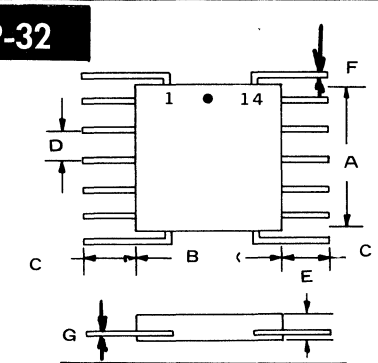
	A	B	C	D	E	F	G
FP26	.245 .255	.240 .265	.740 .770				
FP26a	.230 MAX	.240 .265	.740 .760				
FP26b	.260 MAX	.360 MAX	.780 MAX				
FP26c	.255 .275	.365 .385	.552 .634				
FP26d	.245 .255	.240 .260	.760 .780	.014 .019	.045 .055	.0035 .0055	.065 MAX
FP26e	.275 MAX	.250 REF	.750 TYP				.060 MAX
FP26f	.240 .270	.240 .270		.015 .019	.045 .055		.040 .070
FP26g	.265	.265		.003 .016	.030	.001 .005	.070 MAX
FP26h	.240 .270	.120 .260	.490 1.000	.010 .019	.050 T.P.	.003 .006	.030 .090

FP-28



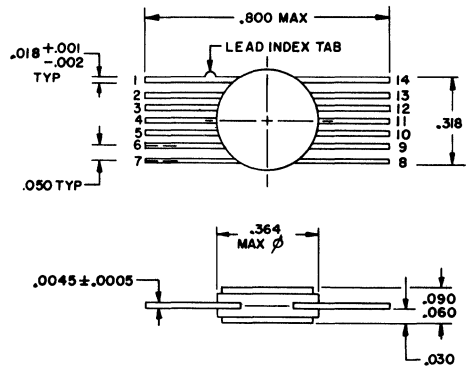
	A	B	C	D	E	F	G	H
FP28		.050	.260	.188	.260	.050		
FP28b	.019	.050	.260	.370	.260	.080	.006	
FP28c	.015 .020	.050	.240 .260	.280 .370	.240 .260	.050 .065	.003 .006	
FP28e	.472		.250 REF		.125 REF	.055 MAX	.157	.500 TYP
FP28f	.014 .019	.045 .055	.240 .260		.240 .260	.065 MAX	.003 .005	.950 MAX

FP-32

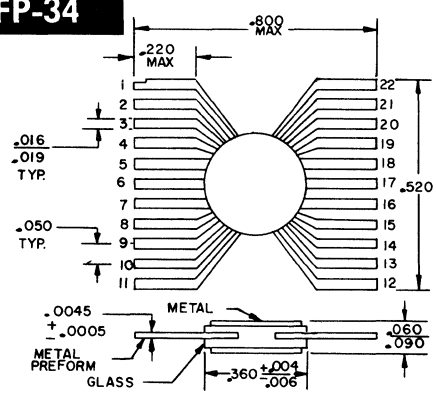


	A	B	C	D	E	F	G
FP32	.265	.265 MAX	.187	.050	.050		
FP32a	.240 .260	.240 .260	.005 .045	.005 .045	.067 .090	.015 .019	.003 .006

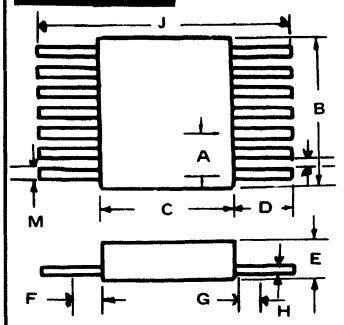
FP-33



FP-34



FP-39

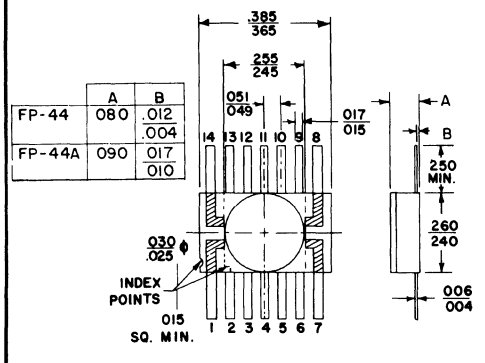


	A	B	C	D	E	F	G	H	J	K	M
FP-39	.100	.500 MAX	.500 MAX	.250 MIN	.150 MAX						
FP-39a	.100	.205 MAX	.375 MAX	.250 MIN							
FP-39b		.330 .350	.240 .260	.230 .250	.051 .065	.030	.020	.004 .006	.730 .750	.045 .055	.012 .038
FP-39c		.360 .410	.240 .275	.200	.030 .070			.003 .006			.016 .019
FP-39d		.360 .410	.240 .275	.070 MIN	.030 .070	.015 MAX	.015 MAX	.003 .006			.010 .019

SECTION 13. OUTLINE DRAWING

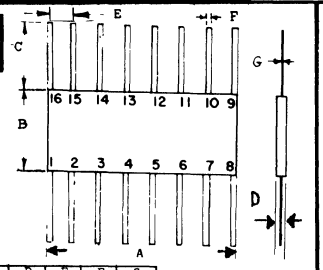
IN DRAWING NUMBER SEQUENCE

FP-44



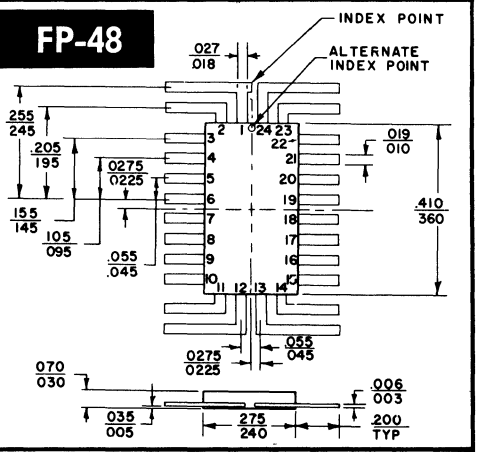
	A	B
FP-44	080	.012 .004
FP-44A	090	017 010

FP-47

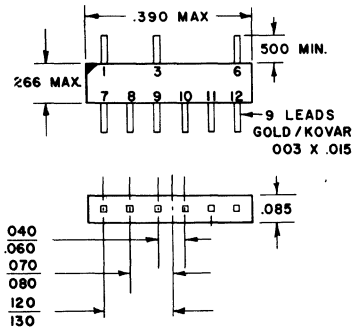


	A	B	C	D	E	F	G
FP47	.360	.275	.070 MIN	.070	.050		
FP47a	.400	.270	.370	.065	.050	.019	.006
FP47b	.371 .409	.247 .283	.250 .350	.065 .090	.050	.015 .019	.004 .006
FP47c	.340 .360	.245 .275	.330 .370	.040 .070	.040 .060	.015 .019	.003 .004
FP47d	.413 MAX	.275 MAX	.066 MAX	.070	.050		
FP47e	.370 .410	.285 MAX	.290 MIN	.049 .080	.045 .055	.015 .020	.003 .006
FP47f	.370 .395	.245 .275	.330 .370	.040 .070	.040 .060	.015 .019	.003 .004

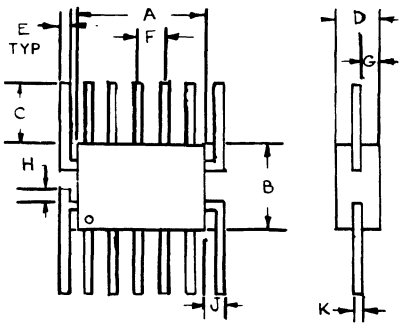
FP-48



FP-49

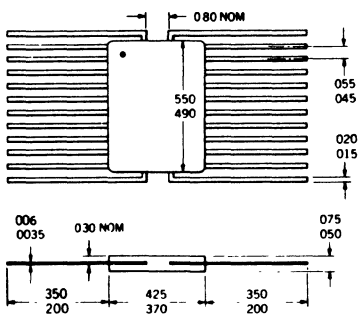


FP-52

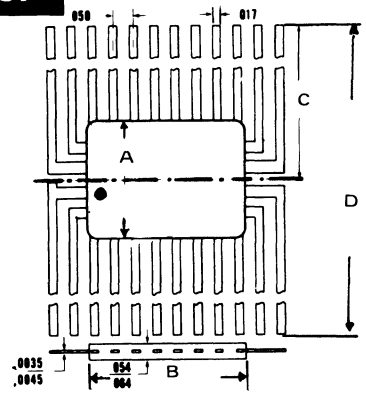


	A	B	C	D	E	F	G	H	J	K
FP52	.240 .260	.240 .260	.370 MAX	.050 .065	.016 .022	.045 .055	.022 .032	.010 .014	.028 .038	.004 .006
FP52a	.255 MAX	.255 MAX	.270	.047 MAX	.015 .019	.045 .055	.023 MAX			.006 MAX
FP52b	.265 MAX	.265 MAX		.060 MAX	.016 .019					.004 .006
FP52c	.240 .270	.240 .275	.225 MIN	.040 .070	.010 .019	.050	.018 .030	.015 MAX		.003 .006
FP52d	.240 .260	.240 .260	.250 .370	.030 .070	.010 .019	.050	.010 .035	.010 .015		.003 .006
FP52e	.250 .260	.140 .150	.280 .300 REF	.035 .050	.015 .019	.050 TP	.008 .018			.003 .005
FP52f	.250 .260	.140 .150	.165 .175 REF	.035 .050	.010 .013	.050 TP	.008 .018			.003 .005
FP52g	.241 .260	.241 .260	.240 .260	.070 MAX	.010 .015	.050	.001 .003			.004 .006

FP-56

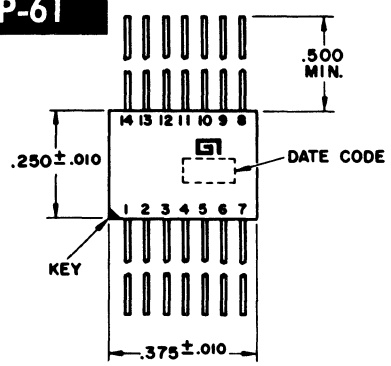


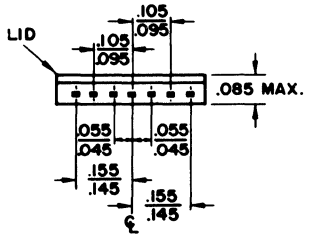
FP-59



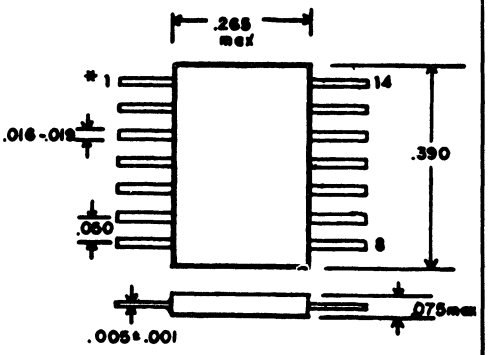
	A	B	C	D
FP-59	.250	.375	.495	
FP-59a	.270 MAX	.390 MAX		.900 .980

FP-61

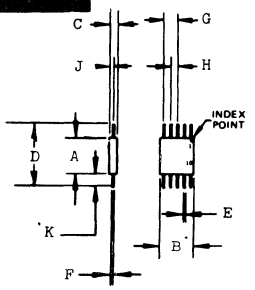




FP-62

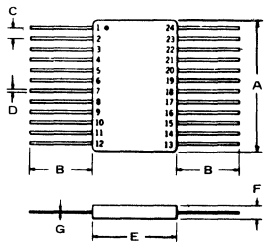


FP-63



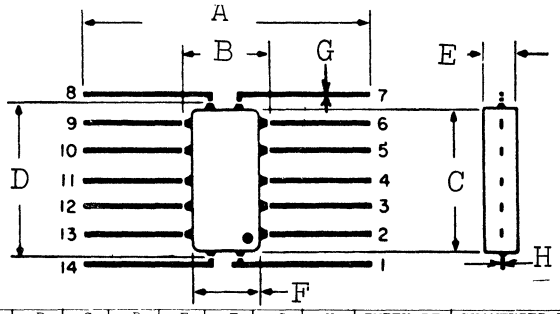
	A	B	C	D	E	F	G	H	J	K
FP63	.240	.240	.030		.010	.003	.095	.045	.005	.070
	.260	.260	.070		.019	.006	.105	.055	.030	MIN
FP63a	.240	.240	.040	.740	.010	.003		.050	.018	.225
	.270	.275	.070	.760	.019	.006			.030	MIN

FP-66



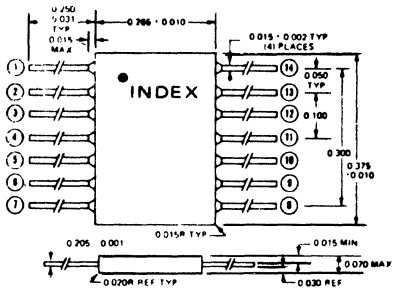
	A	B	C	D	E	F	G
FP66	.590	.250	.050	.015	.370	.050	.004
	.640	.350		.019	.420	.075	.006
FP66a	.620	.250	.050	.015	.365	.065	.004
	MAX	.350		.019	.395	.090	.006

FP-69

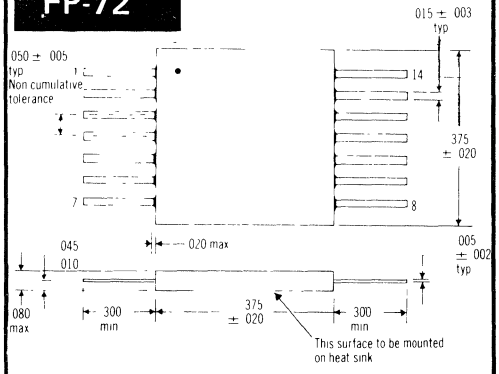


	A	B	C	D	E	F	G	H	INDEX PT.	CHAMFERED EDGES
FP-69	.500	.155 MAX	.250	.290 MAX	.055 MAX	.125			YES	YES
FP-69a	.720 MIN		.250		.050	.250	.010 .019	.004	NO	YES
FP-69b	.740 MIN		.240 .275	.280 .300	.030 .070	.240 .260	.010 .019	.003 .006	YES	NO

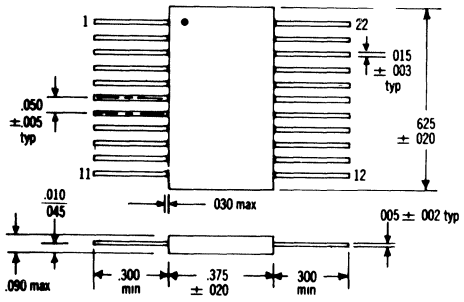
FP-70



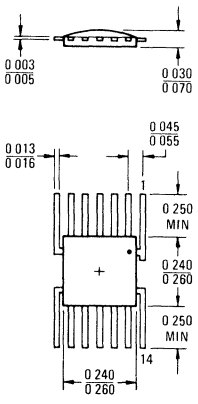
FP-72



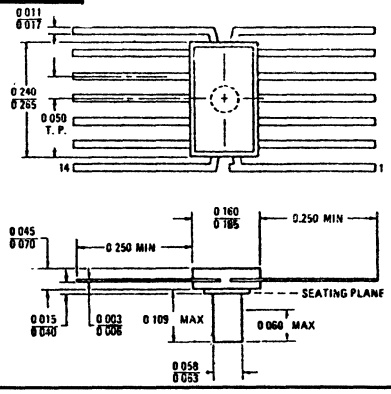
FP-73



FP-77



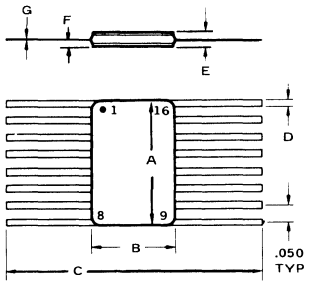
FP-78



SECTION 13. OUTLINE DRAWING

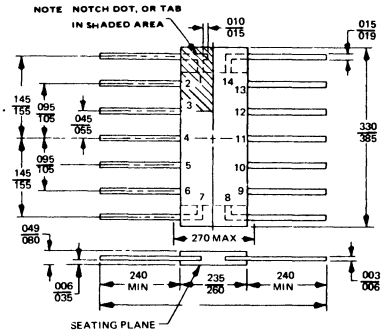
IN DRAWING NUMBER SEQUENCE

FP79

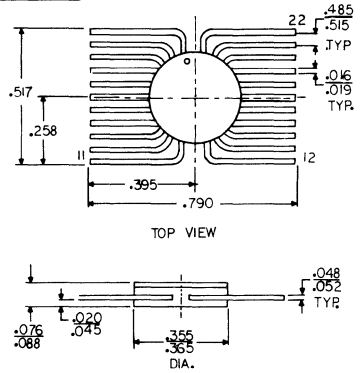


	A	B	C	D	E	F	G
FP79	.365 .368	.248 .275	.930 .980	.018 .021	.047 .067		.003 .005
FP79a	.370 .395	.245 .275	.940 .960	.015 .019	.040 .070	.011 .039	.003 .005
FP79b	.380 .410	.250 .280	.900 .980	.014 .019	.030 .070	.010 .035	.003 .006

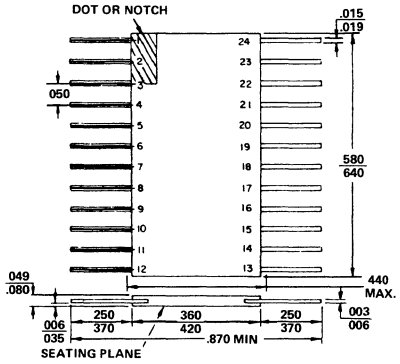
FP-80



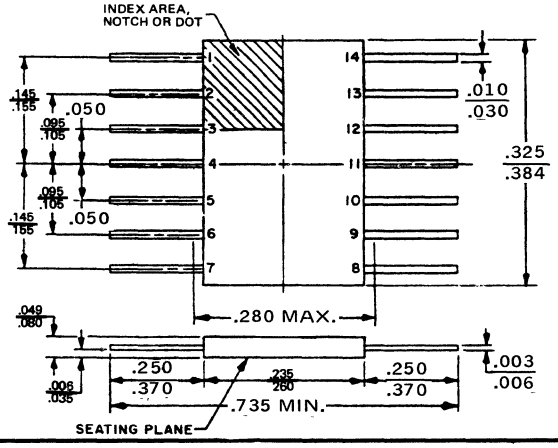
FP-81



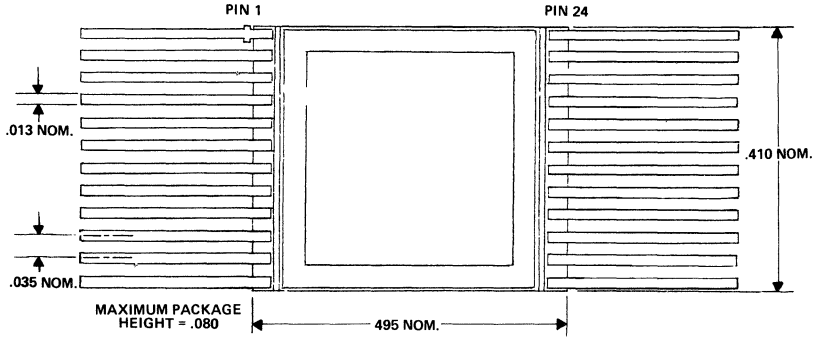
FP-82



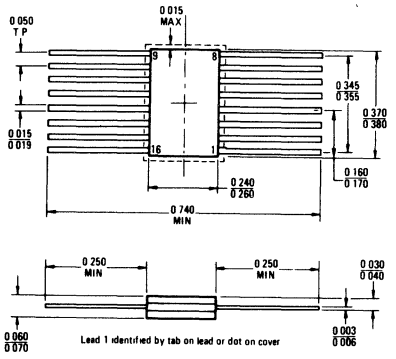
FP-83



FP-84



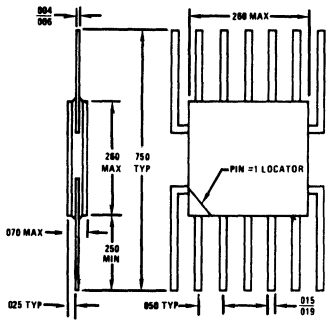
FP-85



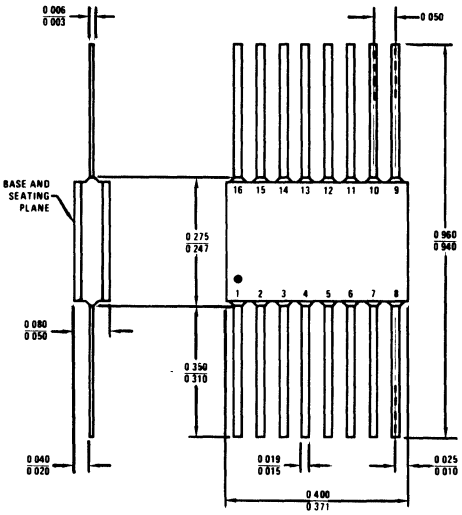
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

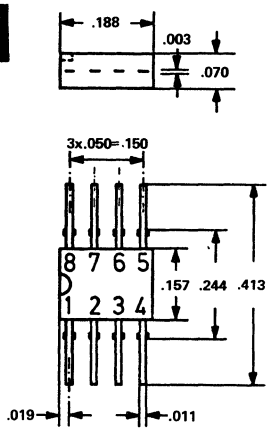
FP-87



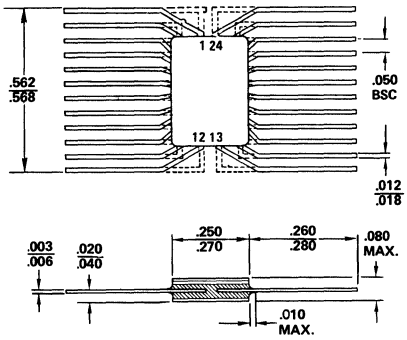
FP-88



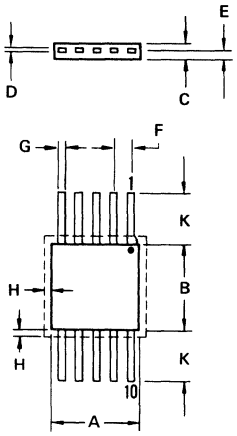
FP89



FP91

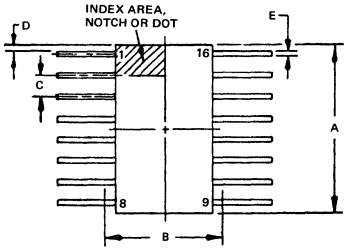


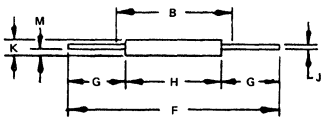
FP92



DIM	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.240	0.290	6.100	7.360
B	0.240	0.260	6.100	6.600
C	0.030	0.070	0.762	1.770
D	0.003	0.006	0.077	0.152
E	0.005	0.035	0.127	0.889
F	0.045	0.055	1.150	1.390
G	0.010	0.019	0.254	0.482
H	–	0 015	–	0.381
K	0.070	–	1.780	–

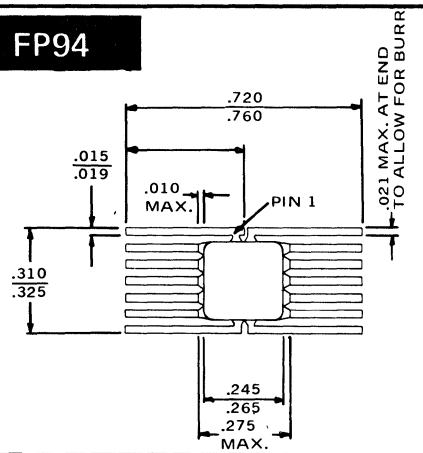
FP93



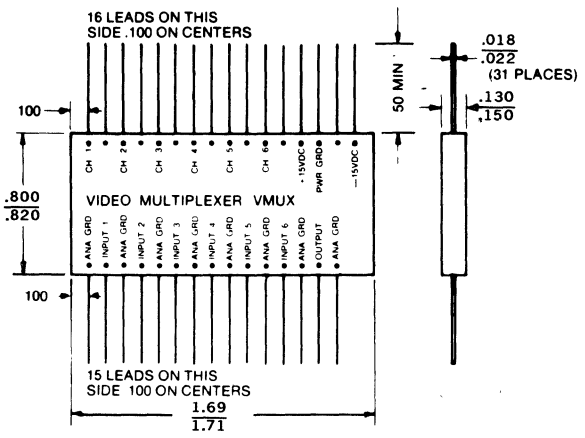


	A	B	C	D	E	F	G	H	J	K	M
FP93	.380	.300	.050	.010	.015	.750	.250	.250	.003	.049	.010
	.434	MAX		.030	.019	MIN	.370	.280	.006	.080	.035
FP93a	.360	.305	.045		.015	.750	.250	.250	.003	.049	.010
	.490	MAX	.055		.019	MIN	MIN	.285	.006	.080	.038
FP93b	.440	.305	.050		.015	.745	.250	.245	.003	.045	.009
	MAX	MAX			.020	MIN	.370	.285	.006	.085	.040

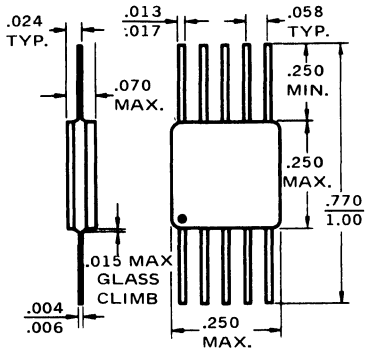
FP94



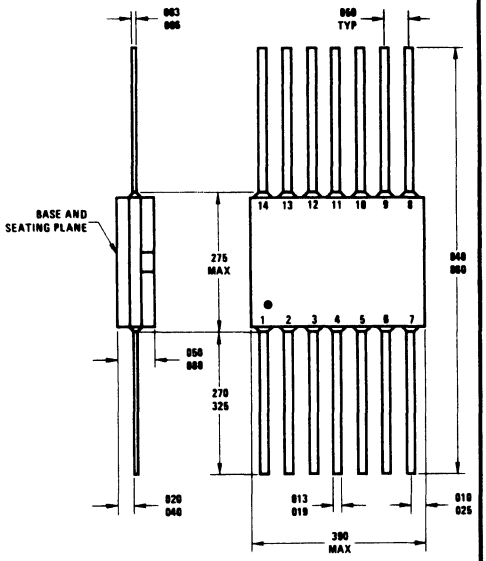
FP95



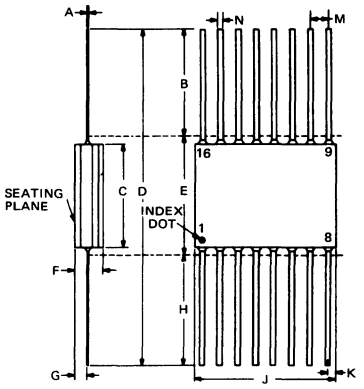
FP96



FP97

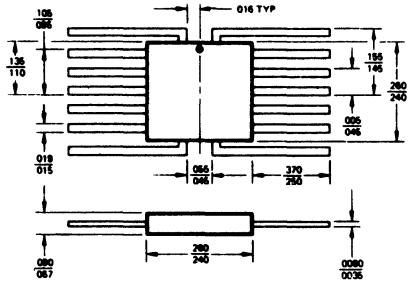


FP98

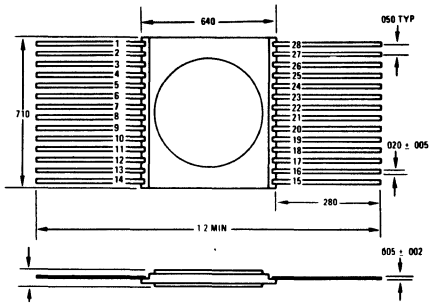


	A	B	C	D	E	F	G	H	J	K	M	N
FP98	.003 .006	.310 .350		.940 .960	.275 MAX	.050 .080	.020 .040	.310 .350	.371 .400	.025 MAX	.050 TYP	.013 .019
FP98a	.003 .006	.275 .325	.245 .275	.850 .950	.300	.050 .080	.015 .035	.275 .325	.375 .395	.025 MAX	.050 T.P.	.015 .019

FP99

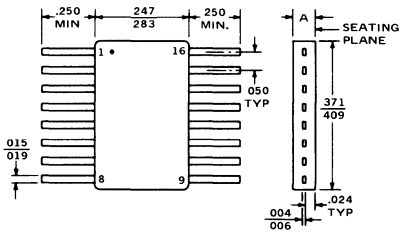


FP100

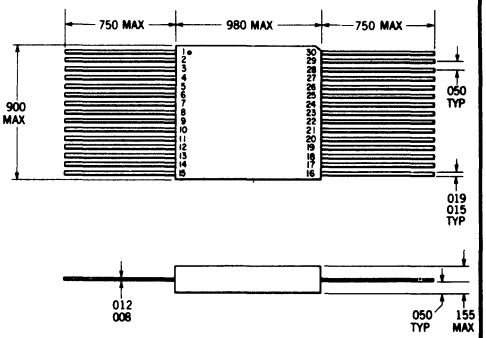


FP101

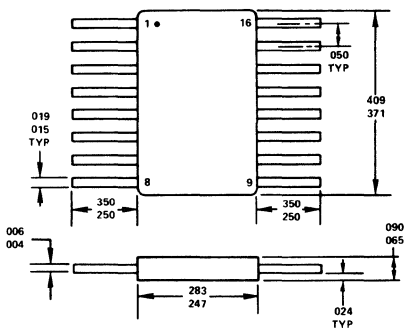
	A
FP101	.060 .075
FP101a	.049 .090



FP102



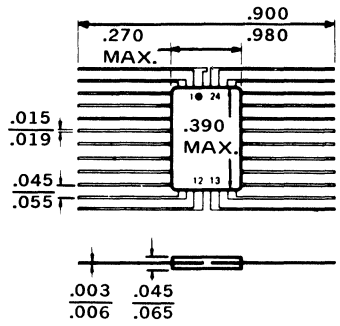
FP103



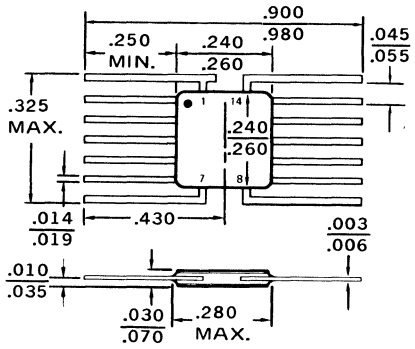
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

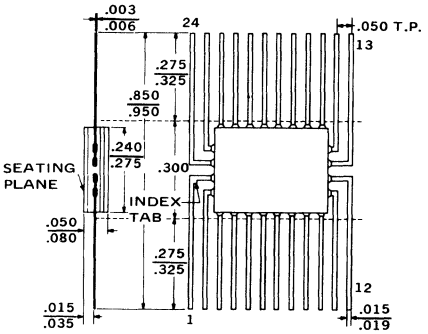
FP105



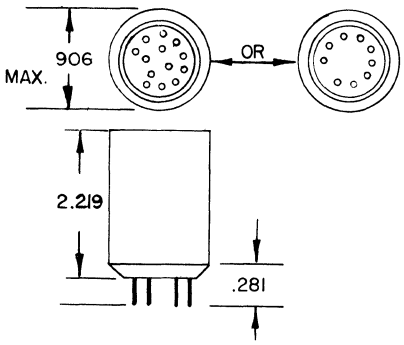
FP106



FP107

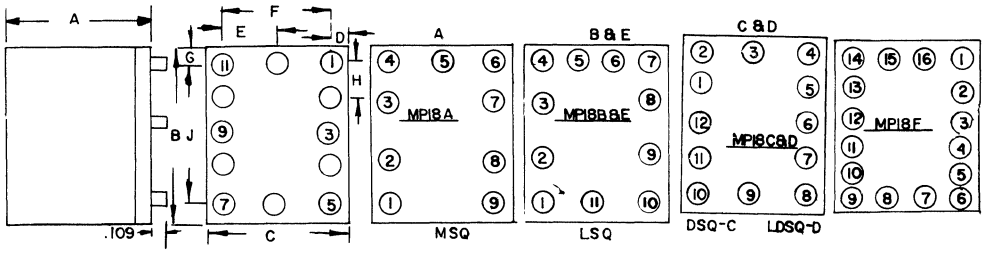


M-17

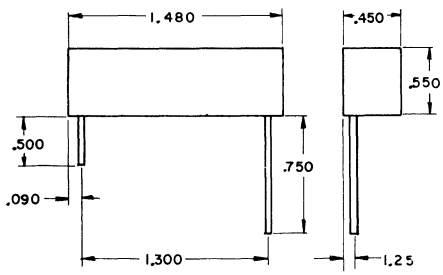


M-18

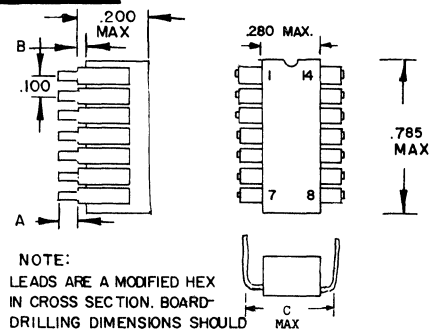
PKG.	A	B	C	D	E	F	G	H	J	K
M 18	.350	.625	.375							
M 18 A	.563	.781	.578	.090	.200	.400	.090	.200	.600	.041
M 18 B	.350	.781	.781	.090	.200	.600	.090	.200	.600	.041
M 18 C	.563	1.563	.781	.090	.300	.600	.181	.300	1.200	.041
M 18 D	350	1.563	.781	.090	.300	.600	.181	.300	1.200	.041
M 18 E	.536	.781	.781	.090	.200	.600	.090	.200	.600	.041
M 18 F	.350	.781	.563	.078	250	.406	.078	.125	.625	.032



M-45



M-54



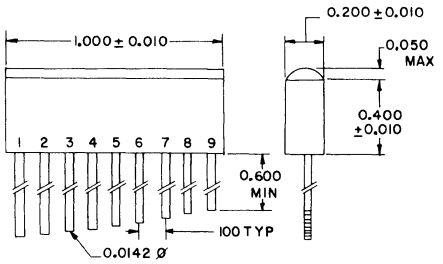
NOTE:
LEADS ARE A MODIFIED HEX IN CROSS SECTION. BOARD-DRILLING DIMENSIONS SHOULD EQUAL YOUR PRACTICE FOR A CONVENTIONAL 020 Ø LEAD

	A	B	C
M54	.125	.020 MIN	.300
M54a	.155 MAX	.040	.300
M54b	.150 MAX	.020 MAX	.300
M54c	.135 MIN	.020 MIN	.325
M54d	.100 MIN	.020 MIN	.290 .310

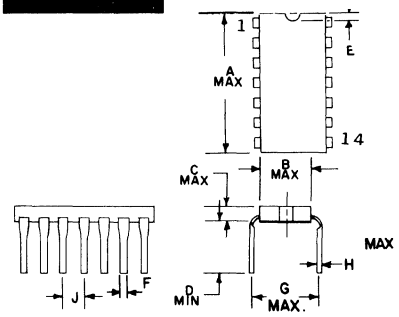
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

M-55

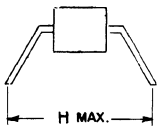


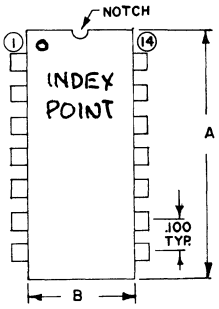
M-75

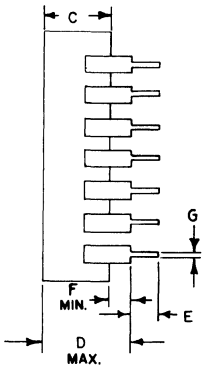


	A	B	C	D	E	F	G	H	J
M-75	.715	.265	.090	.170	.031		.310	.023	.100
M-75a	.770	.260	.200	.125	.160		.310	.023	.100
M-75b	.715	.265	.130	.170		.025	.310	.023	.100
M-75c	.775	.275	.155	.195	.024	.020	.310	.012	.100
M-75d	.715	.270	.120	.180		.024	.305	.024	.105
M-75e	.715	.265	.100	.200		.021	.300 TYP		.100
M-75f	.725	.265	.160	.125		.019	.350	.010	.100
M-75g	.770		.200	.150		.020	.300	.020	.100
M-75h	.715	.265	.125	.170	NA	.018 .024	.300	.018 .024	.100
M-75j	.787	.275	.175 MIN	.170		.019	.354		.110 .090
M-75k	.700 TYP	.250 TYP	.080 TYP	.190 TYP	NA	.016 .020	.300 TYP	.008 .012	.100 TYP

M-105

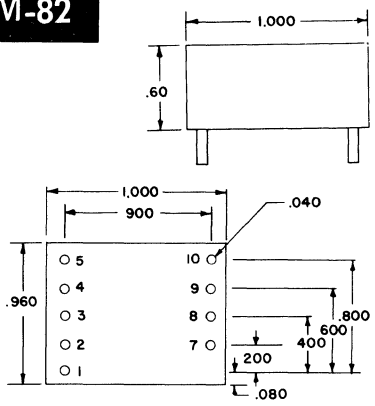




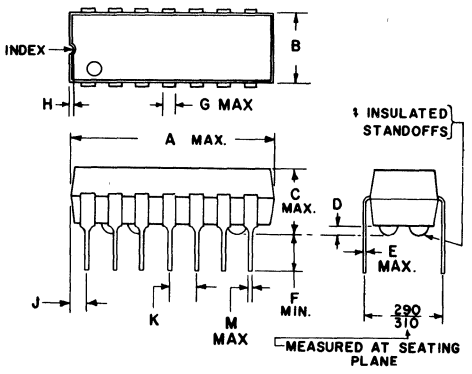


	A	B	C	D	E	F	G	H	MARKING
M105	.775	.234	.125	.200	.150	.020	.020	.350	NOTCH
M105a	.775	.250	.160	.180	.100	.020	.020	.350	NOTCH
M105b	.770	.260		.125	.120	.020	.020	.350	NOTCH
M105c	.775	.275	.160	.200	.140	.020	.020	.350	NOTCH
M105d	.680	.322	.165			.020	.020	.350	NOTCH
M105e	.785	.280	.180	.200	.125	.020	.020	.350	NOTCH
M105f	.700	.250	.125	.150	-	.040	.021	.300	NOTCH
M105g	.700	.250	.120	.170	.130	.005	.017		NOTCH
M105h	.700	.250	.150	.185	.130	.035	.020	.350	NOTCH
M105j	.695	.256	.177	.197	.118	.019	.020	.393	NOTCH
M105k	.740	.250	.200	.220	.125	.020	.017		NOTCH
M105m	.685 .715	.235 .265	.120 MAX	.305 MAX	.180		.009 .010		INDEX
M105n	.765	.245	.140	.170	.140	.020	.016	.375	NOTCH
M105p	.685 .715	.244 .256	.104 MAX	.109	.125 MIN	.05 MIN	.020	.350	NOTCH NOTCH
M105q	.745 .755	.245 .250	.115 .125	.130 .160	.120 .130	.015 .035	.015 .021	.325 .375	INDEX PT
M105r	.685 .715	.235 .265	.110 MAX	.160	.125	.050	.015 .020	.325 .375	NONE
M105s	.785 .815	.235 .265	.110 MAX	.170	.110	.060	.020	.325 .375	INDEX
M105t	.660 .680	.2545	.149	.185	.102 .133	.035	.039	.322 .375	NOTCH
M105u	.685 .715		.125 MAX	.150	.135	.035	.018 .024	.300	INDEX
M105v	.685 .785	.240 .280	.180 MAX	.200	.120 .150	.020	.015 .023		NOTCH
M105w	.685 .715	.230 .270	.100 MAX						INDEX
M105x	.685 .715	.235 .265	.120 MAX						INDEX
M105y	.755 .785	.266 MAX	.145 .169				.018 TYP	.350 MAX	INDEX
M105z	.789 MAX		.180	.200	.100 .165	.020	.015 .023		NOTCH
M105aa	.785 MAX	.280 MAX	.180	.200 MAX	.100	.020		.400	NOTCH
M105ab	.710 MAX	.280 MAX	.180	.200 MAX	.100	.020		.400	NOTCH
M105ac	.696 MAX	.251 MAX	.111	.140 MAX	.141 MIN	.029	.016 .021		
M105ad	.755 .785	.265 .291	.150 .200	.170 .219	.100 .160	.020 MIN	.016 .020	.375 TYP	
M105ae	.745 .755	.245 .250	.115 .125	.130 .160	.125	.015 .035	.015 .023	.290 .310	
M105af	.740 .770	.240 .280	.145	.160	.120 MIN	.015 MIN	.015 .033	.325 .375	NOTCH and INDEX
M105ag	.730	.240 .265		.180	.115	.060	.020	.310	INDEX
M105ah	.760 .780		.200 MAX		.150 MIN		.018 .023	.350 MAX	NOTCH
M105aj	.745 .755	.245 .255	.125 .135		.125 MIN		.020	.325 .375	NOTCH
M105ak	.745 .755	.245 .252	.115 .125		.135 .165	.015 .035	.015 .021	.325 .375	
M105am	.712 MAX	.244 .255	.102 MAX	.152 MAX	.125 MIN	.050 MIN	.020	.350 TYP	NOTCH
M105an	.708	.251	.125	.156	.169	.031	.023	.299	INDEX
M105ap	.660 .785	.220 .280	.200 MAX		.100 MIN	.015 .055	.014 .023		NOTCH or DOT
M105aq	.725 MAX	.265 MAX	.180 MAX	.200	.105 .145	.020	.015 .019	.310 .350	
M105ar	.685 .715	.235 .265	.120 MAX	.305 MAX	.130 MAX	.025	.015 .019		
M105as	.660 .785	.220 .280	.087 .093	.200 MAX	.100 MIN	.007 .013	.015 .023	.325 MAX	NOTCH or DOT
M105at	.660 .785	.220 .280	.100 .200	.120 .280	.125 .200	.020 .080	.015 .023	.290 .320	NOTCH or DOT
M105au	.725 .825	.220 .325		.220 MAX	.100 .165	.015 MIN	.014 .023	.300	
M105av	.745 .770	.240 .260		.120 .200	.125 .150	.020 .065	.014 .020	.300	
M105aw	.750 .785	.244 .271	.130 .170		.100 .130	.030 .050	.015 .023	.350 .400	NOTCH

M-82

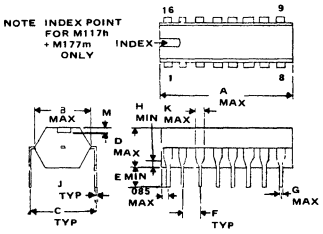


M-114



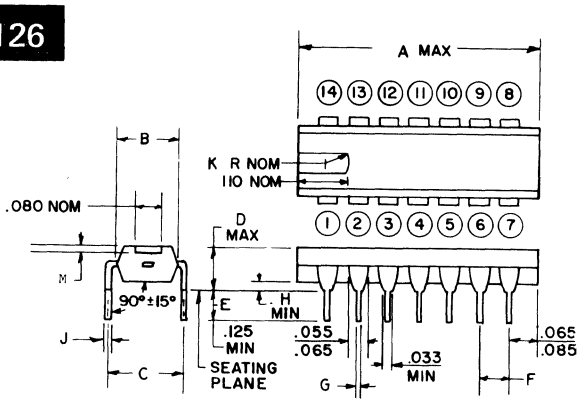
	A	B	C	D	E	F	G	H	J	K	M
M114	.750	.240 .280	.200	.030	.015	.15	.07	.025	.062	.10	.023
M114a	.880	.235 .275	.180	.020 MAX	.012	.10	.05			.10	
M114b	.750	.235 .275	.180	.020	.012	.10	.05			.10	
M114c	.755	.245 .250	.125	.035	.015	.125	.052			.110	.023
M114d	.767	.252	.144		.019	.200				.110	.019
M114e	.660 .785	.220 .280	.200	.020 MIN	.008 .015	.100 MIN	.030 .070			.090 .110	.015 .023
M114f	.710 .740	.240 .260	.200 MAX	.030	.008 .015	.100 MIN	.030 .070	.025	.062	.100	.015 .023

M-117



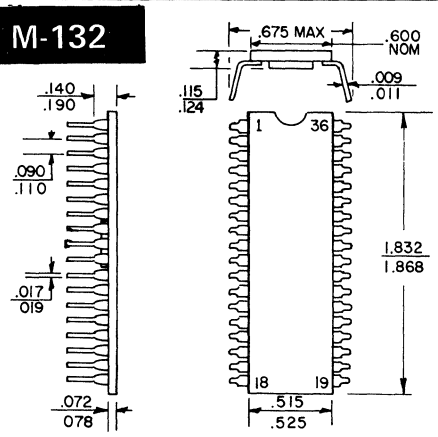
	A	B	C	D	E	F	G	H	J	K	M
M117	.870	.260	.300	.200	.125	.100	.021	.015	.011	.065	.030
M117a	.755	.250	.300	.160	.125	.100	.023	.020	.019	.065	.030
M117b	.785	.280	.375	.185	.115	.100	.023	.015	.010	.065	.030
M117c	.785		.350 MAX	.180	.160 TYP	.100	.020	.020		.065	.030
M117d	.767	.250	.300	.130	.135	.100	.018			.065	.030
M117e	.850	.260	.350	.140	.125	.100	.021	.020	.010	.065	.030
M117f	.780	.255	.350	.185	.105	.100	.022		.010	.065	.030
M117g	.770	.280	.350	.165	.120	.100	.023	.015	.015 MAX	.065	.030
M117h	.745 .755	.245 .250	.290 .310	.130 .160	.125	.090 .110	.015 .023	.015 .035	.010 .015	.065	.030
M117j	.750 TYP	.265	.330 .370	.062 .100	.135 TYP	.100	.017 TYP		.009 .011	.050 TYP	.030
M117k	.787	.251		.161	.122	.100	.017	.019			.030
M117m	.870	.260	.325	.200	.140 .145	.100	.021	.010 .020	.011	.080	.010
M117n	.750 TYP		.300 TYP	.130 TYP	.150 TYP	.100 TYP	.016 .020	.015 TYP	.009 .011	.045 .065	.030 TYP
M117p	.760 .780	.245 .255	.219 .310	.115 .125	.135 .165	.090 .110	.015 .021	.015 .035	.015 .020	.050 .054	
M117q	.744 .860	.240 .251	.290 .375	.185		.100	.014 .022	.043 MIN	.009 .014	.043 .055	
M117r	.708 .866	.244 .259	.299 .322	.181 MAX	.122 .141	.100	.017	.019 MIN	.009		
M117s	.795 MAX	.256	.299 .394	.197 MAX	.118 MIN	.100	.020	.019 MIN	.008 .014		
M117t	.880 MAX	.260 MAX	.310 .350	.175 MAX	.125 MIN	.090 .110	.065 .085	.020 MIN	.008 .012		.030
M117u	.881 MAX	.240 .255	.300	.200 MAX	.100 .150	.100	.014 .020	.020	.009	.043 .062	
M117v	.881 MAX	.240 .255	.290 .375	.200 MAX	.104 .150	.100	.014 .022	.020	.007 .014	.043 .062	
M117w	.870 MAX	.240 .263	.307 .322	.162	.125 MIN	.100	.018	.019			
M117x	.870 MAX	.240 .260	.290 .310	.200 MAX	.125 MIN	.100 TP	.015 .021	.020 MIN	.008 .014	.070 MAX	.010 NOM

M-126

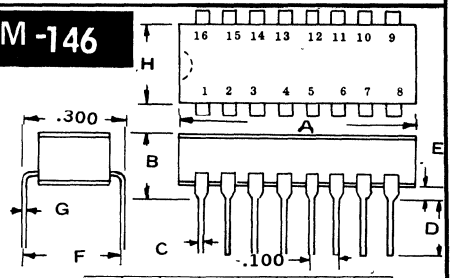


	A	B	C	D	E	F	G	H	J	K	M
M126	.770	.240 .310	.290 MAX	.200	.125 .110	.090 .021	.015 MIN	.020 .014	.008	.093	.030
M126a	.770	.240 .260	.350	.175	.125	.090 .110	.015 .021	.020	.008 .014	.040	.030
M126b	.750	.250	.350	.185	.130	.100	.019	.035	.012		.030
M126c	.670	.258	.350	.185	.135		.019	.035	.010		.030
M126d	.760	.260	.350	.175	.125	.100	.018	.020	.010	.040	.030
M126e	.770	.240 .260	.300 .350	.200	.125 MIN	.090 .110	.015 .021	.020	.008 .014	.055 .095	.010
M126f	.755	.240 .255	.290 .375	.200	.102 .150	.100	.014 .022	.020	.009 .015		
M126g	.744 .755	.244 .259	.299 .322	.181 MAX	.122 .141	.100	.017	.019 MIN	.009		
M126h	.787	.255 MAX	.330		.129	.090 .110	.015				
M126j	.750	.250			.135	.100	.018				
M126k	.740 .770	.240 .260	.325 .375	.160 MAX	.120 MIN		.100	.015 .023	.015 MIN	.008 .015	
M126m	.790 MAX	.260 MAX	.310 .350	.175 MAX	.125 MIN	.090 .110	.015 .021	.020 MIN	.008 .012		.030
M126n	.783 MAX	.240 .255	.290 .375	.200 MAX	.102 .150	.100	.014 .021	.020 MIN	.008 .014		
M126p	.771 MAX	.240 .263	.307 .322	.162	.125 MIN	.100	.018	.019	.011		
M126q	.760 .780	.245 .255	.290 .310	.130 .160	.120 .130	.090 .110	.015 .021	.015 .035	.015 .020		
M126r	.750 MAX	.240 .260	.300 .350	.200 MAX	.125 MIN	.100 TYP	.015 .023		.008 .015		

M-132



M-146



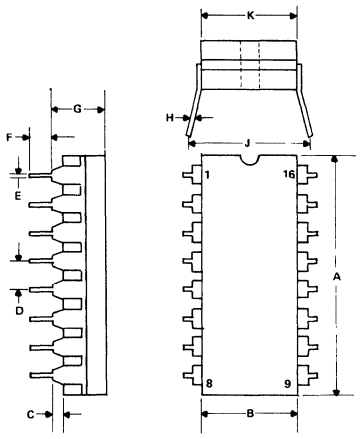
	A	B	C	D	E	F	G	H
M-146	.800 MAX	.180 MAX	.019	.125	.020	.350 MAX	.010	.265 MAX
M-146a	.785 .815	.170	.020	.110	.060	.325 .375	.008 .010	.265 MAX
M-146b	.745 .785	.165 .228	.016 .020	.095 .115	.020 .040	.300	.010	.265 MAX
M-146c	.870 MAX		.014 .023	.100 MIN	.015 .055		.008 .015	.220 .280
M-146d	.820 .850	.200 MAX	.015 .023	100 MIN	.020 MIN	.200 .410	.008 .012	.245 .255
M-146e	.866 MAX	.185 MAX	.013 .021	104 .150	.035 MIN	.300	.009	

SECTION 13. OUTLINE DRAWING

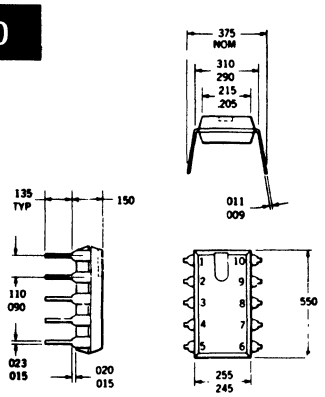
IN DRAWING NUMBER SEQUENCE

M-148

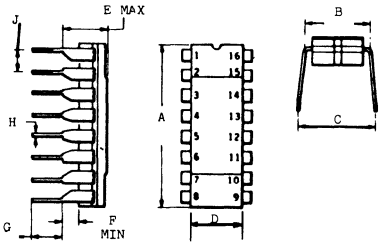
	A	B	C	D	E	F	G	H	J	K
M148	.875	.285	.015	.105	.021	.100	.171	.011	.375	.310
M148a	.785	.280	.015	.110	.023	.100	.200	.011	.375	.310
M148b	.785 .815	.244 .256	.05 MIN	.100	.020	.125 MIN	.105	.008 .010	.300	.350
M148c	.660 .700	.220 .280	.020 MIN	.090 .110	.015 .022	.100 MIN	.200 MAX	.008 .015		.290 .310
M148d	.800 MAX		.020 MIN	.100	.015 .023	.100 .165	.200 MAX	.007 .014		.300



M-150

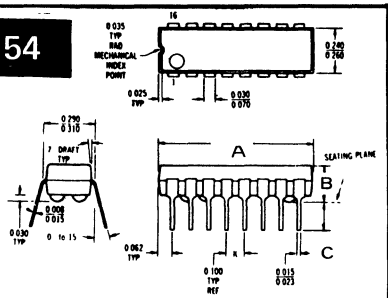


M-153



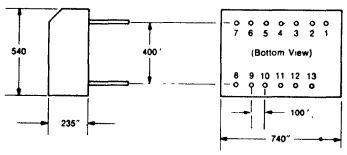
	A	B	C	D	E	F	G	H	J
M153	.785 MAX	.290 .310	.350 MAX		.200	.020	.150	.020	.090 .110
M153a	.750 .785	.290 .310	.375	.240 .250	.200	.015	.100 MIN	.023 MAX	.090 .110
M153b	.780	.288 .312	.300 .393	.256 MAX	.197	.019	.118 MIN	.016 .024	.090 .110
M153c	.785 MAX			.230 .265	.200 MAX	.020 MIN	.100 MIN	.016 .023	.090 .110
M153d	.755 .785	.290 .310	.300 .350	.245 .285	.200 MAX	.020 MIN	.130 MIN	.015 .023	.100 TP

M-154

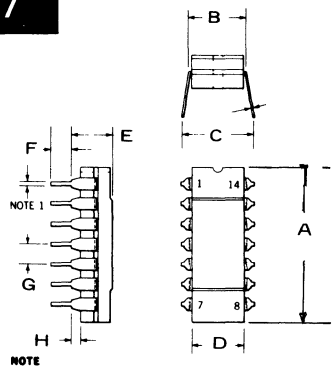


	A	B	C
M154	.860 MAX	.200 MAX	.100 MIN
M154a	.810 .840	.165 .185	.115 .135

M-156



M-157



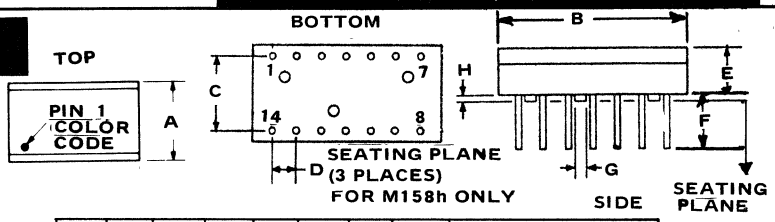
	A	B	C	D	E	F	G	H
M157	.750 .785	.290 .310	.375	.240 .280	.200	.125	.090 .110	.015 MIN
M157a	.660 .780	.325 MAX		.220 .280	.200	.100 MIN	.090 .110	
M157b	.755 .785	.290 .310	.300 .350	.280 MAX	.200 MAX	.130 MIN	.090 .110	.020 MIN
M157c	.785 MAX			.230 .265	.200 MAX	.100 MIN	.090 .110	.020 MIN

NOTE
1 Board drilling dimensions should equal your practice for a conventional .020 inch diameter lead

SECTION 13. OUTLINE DRAWING

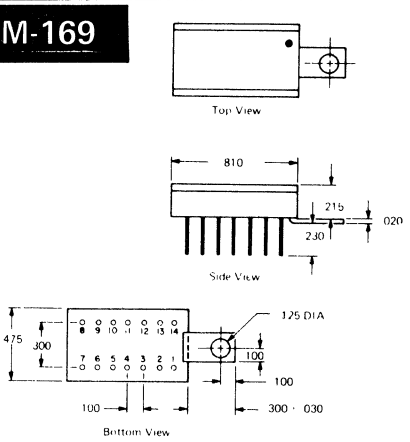
IN DRAWING NUMBER SEQUENCE

M-158

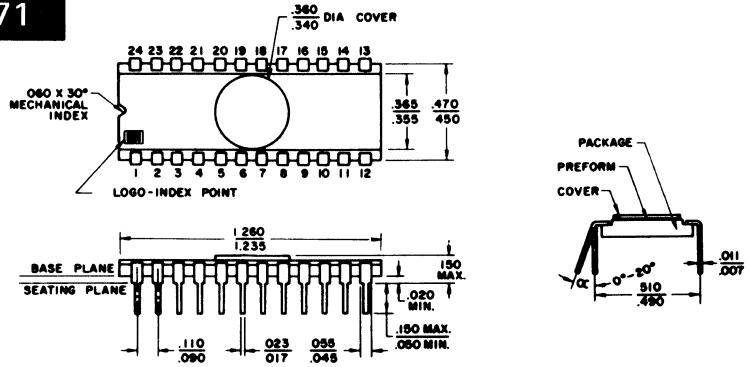


	A	B	C	D	E	F	G	H	REMARKS
M158	.475	.810	.300	.100	.215	.250	NA	NA	
M158a	.475	.810	.300	.100	.215	.250	NA	NA	OMIT PINS 2,3,4,5,6, 9,10,11,12,13
M158b	.475	.810	.300	.100	.215	.250	NA	NA	OMIT PINS 9,10,12,13
M158c	.475	.810	.300	.100	.215	.250	NA	NA	OMIT PINS 2,6,8,9,10, 12,13
M158d	.475	.810	.300	.100	.215	.250	NA	NA	OMIT PINS 5,6,11,12
M158e	.440	.784	.300	.100	.235	.230	NA	NA	OMIT PINS 3,4,5
M158f	.440	.784	.300	.100	.235	.230	NA	NA	OMIT PINS 2,4,6,9,11, 13
M158g	.440	.784	.300	.100	.235	.230	NA	NA	OMIT PINS 3,4,6,13
M158h	.390 MAX	.770 MAX	.300 TP	.100 TP	.190 MAX	.194	.045 TYP	.020 MIN	STANDOFFS

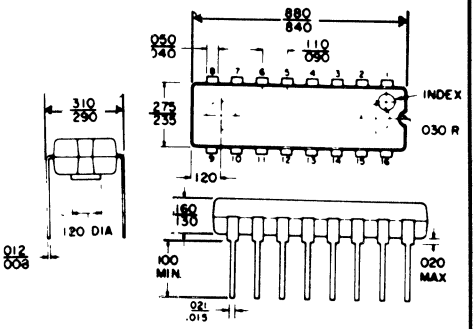
M-169



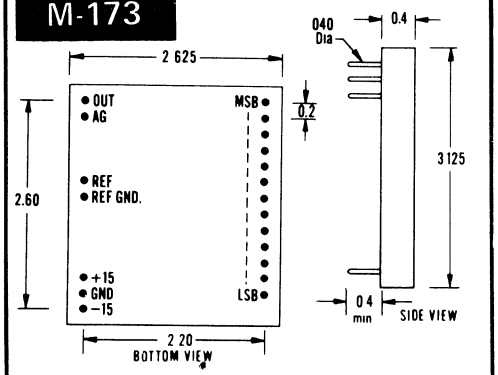
M-171



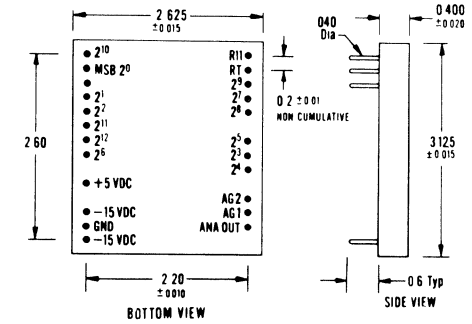
M-172



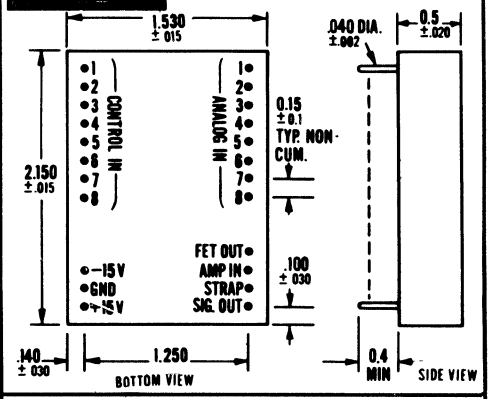
M-173



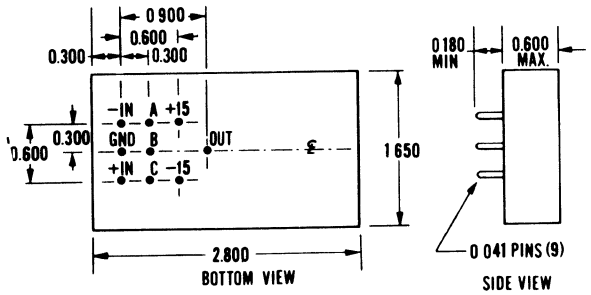
M-174



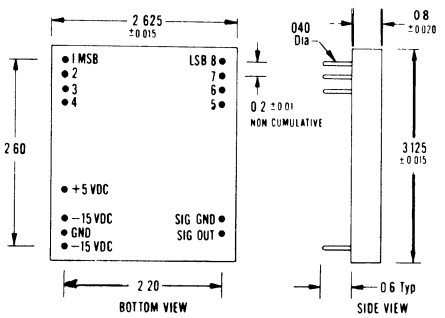
M-175



M-176



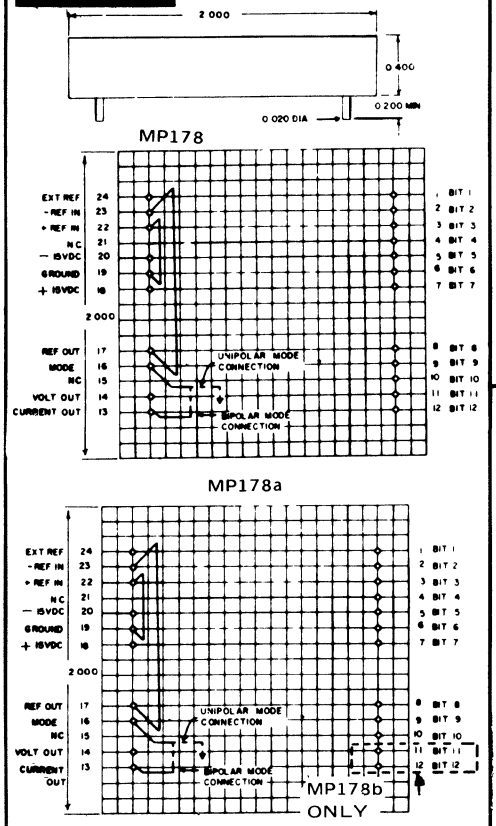
M-177



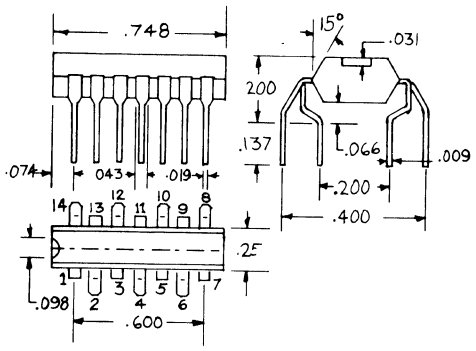
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

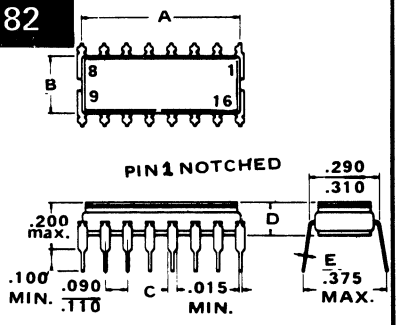
M-178



M-181

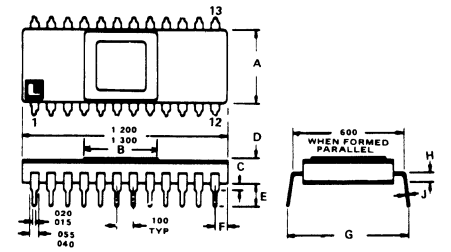


M-182



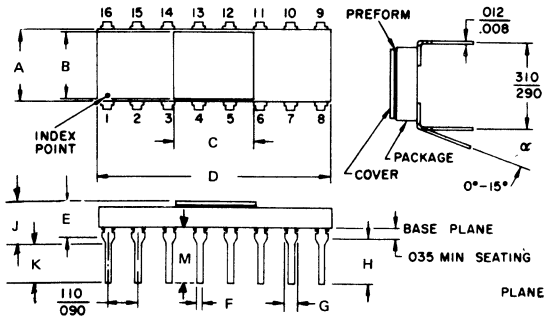
	A	B	C	D	E
M-182	.700	.245 .275	.040 MIN	.145 MAX	.009 .011
M-182a	.720 MAX	.250 .270	.035 MIN	.095 MAX	.008 MIN

M-183



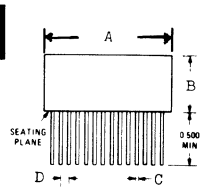
	A	B	C	D	E	F	G	H	J
M183	.515 .545		.055	.120 .140	.140 .160	.060 .070	.600 .650	.055 .065	.008 .010
M183a	.495 .595	.397 .495	.020 MIN	.137 MAX	.110 MIN				.010

M-184



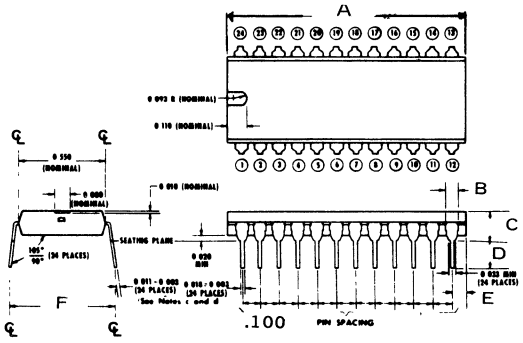
	A	B	C	D	E	F	G	H	J	K	M
M184	.240 .260	.220 .240	.270 .290	.810 .830	.135 MAX	.015 .025	.040 .055	.090 .150			
M184a	.240 .285		.275 .405	.800 .840		.014 .020	.043 .053		.080 .165	.125 .175	
M184b	.270 .280		.400 REF	.805 .835	.095 .155	.015 .020	.045 .055	.135 .190			.190 .210

M-185



	A	B	C	D	E	F	G	H	J	PIN NO.	REMARKS
M185	1.58 1.60	.580 .600	.015 .023	.095 .105	.130 .170	.008 .015	.240 .260			14	HAS SEATING PLANE
M185a	1.08 1.12	.298 .302	.025	.150			.248 .252	.200	.100	6	

M-186

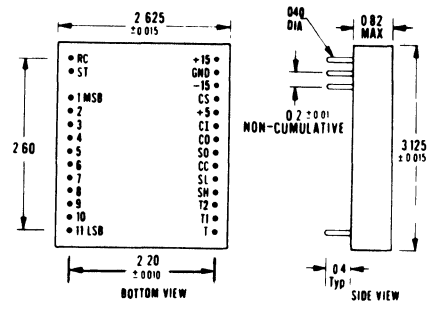


	A	B	C	D	E	F
M186	1.31 MAX	.070 MAX	.200 MAX	.125 MIN	.095 MAX	.600 .650
M186a	1.26 MAX		.230 MAX	.118 MAX		.591 .728
M186b	1.22 1.27	.051 .066	.161 .248	.137 .150	.066 .086	.600
M186c	1.24 1.25	.040 .050	.175 MAX	.130		.600

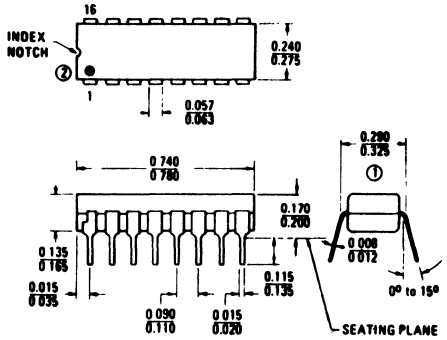
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

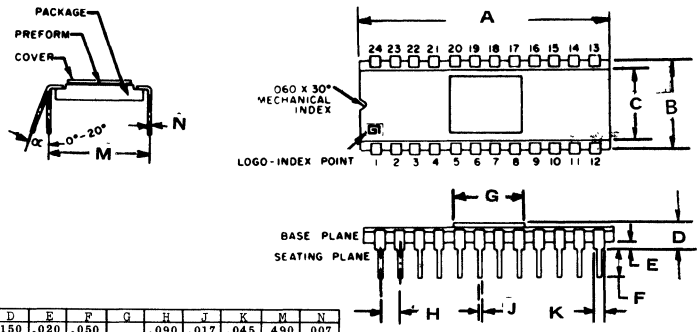
M-187



M-191

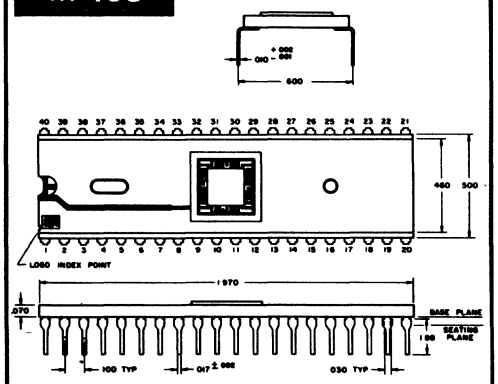


M-192

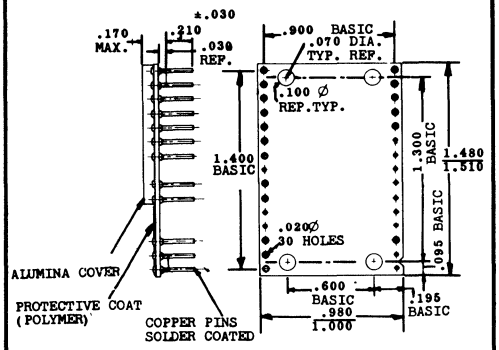


	A	B	C	D	E	F	G	H	J	K	M	N
M192		.450 .470	.355 .365	.150 MAX	.020 MIN	.050 .150		.090 .110	.017 .023	.045 .055	.490 .510	.007 .011
M192a	1.20 1.30	.515 .545		.150 MAX	.020 MIN	.050 .150		.090 .110	.017 .023	.045 .055	.490 .510	.007 .011
M192b	1.25 MAX	.472 MAX	.362 MAX		.031 MIN	.118 MIN	.571 MAX	.096 .104	.016 .024	.043 .051	.488 .512	.008 .012
M192c	1.17 1.22	.490 .510		.150 MAX	.020 MIN	.170 MAX		.090 .110	.016 .020	.045 .055	.590 .610	.008 .012

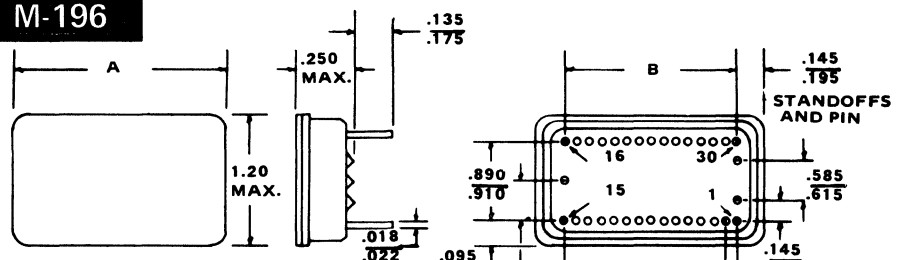
M-193



M-195

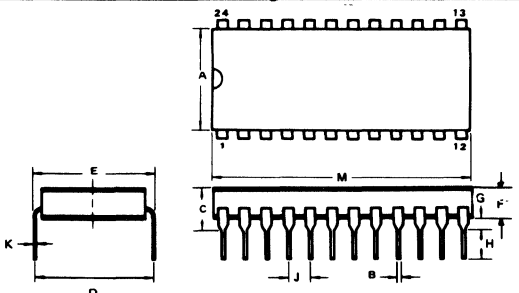


M-196



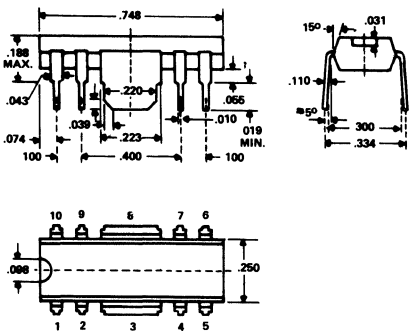
	NO. OF PINS	A	B	C
M196	30	1.80 MAX	1.25 1.55	1.30 1.50
M196a	10	.800 MAX	.385 .415	.390 .410
M196b	20	1.30 MAX	.885 .915	.890 .910
M196c	30	1.80 MAX	1.39 1.41	1.38 1.41

M-197



	A	B	C	D	E	F	G	H	J	K	M
M197	.520	.019	.180 MAX	.650 MAX	.600	.160 MAX	.020	.125	.100	.010	1.25
M197a	.525 .535	.018 .022	.170 MIN	.625 .675	.585 .595	.150 MIN	.020	.125	.100	.010	1.25
M197b	.511			.622		.196	.020	.125	.100	.010	1.25
M197c	.520 .550	.015 .023	.220 MAX		.625 MAX		.030 MIN	.100 MIN	.090 .110		1.23 1.28

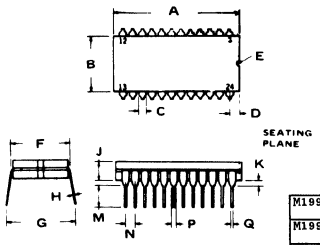
M-198



SECTION 13. OUTLINE DRAWING

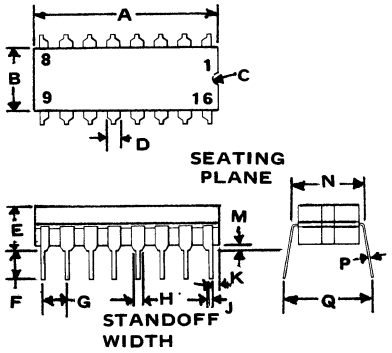
IN DRAWING NUMBER SEQUENCE

M-199



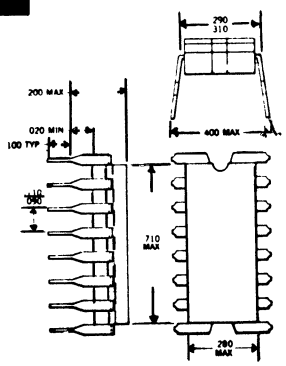
	A	B	C	D	E	F	G	H	J	K	M	N	P	Q
M199	1.23 1.31	.515 .575	.045 .065	.025	.020 .030	.600	.750 MAX	.009 .011	.125 .210	.025 .063	.100 .200	.090 .110	.027 .037	.016 .020
M199a	1.23 1.30	.515 .574				.602	.748 MAX	.009 .011	.125 .210	.020	.148 MIN	.100		.014 .020
M199b	1.23 1.28	.514 .546				.600	.600	.010 .012	.145 .152	.020 .048	.125 .150	.098 .102		.016 .022

M-200

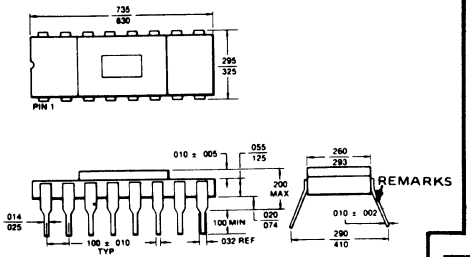


	A	B	C	D	E	F	G	H	J	K	M	N	P	Q
M200	.755 .785	.265 .291	.025	.045 .065	.170 .219	.100 .165	.090 .110	.027 .037	.016 .020	.015 .045	.020 MIN	.290 .310	.009 .011	.375
M200a	.685 .755	.240 .280			.220	.100 MIN	.100	.032	.015 .023		.020 MIN	.230 .290	.008 .015	
M200b	.745 .755	.245 .255				.125 MIN	.090 .110		.020			.290 .300	.009 .011	.325 .375
M200c	.787 MAX	.275 MAX			.196 MAX	.149	.100		.019 MIN		.019 MIN	.290 .310		.354
M200d	.750 .785	.240 .280			.200 MAX	.100 MIN	.090 .110		.023 MAX		.015 MIN	.290 .310	.009 .011	.375
M200e	.785 MAX	.280 MAX			.175	.130 MIN	.090 .110		.015 .023	.080 MAX	.020	.310 MAX	.008 .014	.300 .370
M200f	.800 MAX				.200 MAX	.100 .150	.100	.032	.011 .019		.012	.324	.007 .011	.300
M200g	.745 .785	.243 .263			.145 .156	.115 .135	.098 .102	.030 .034	.016 .020		.020 .040		.010 .012	.620 NOM
M200h	.755 .785	.245 .286	.025	.058 MIN	.145 .169	.115 .135	.100	.034 MAX	.018	.015 .045	.015 .025	.308 .314	.009 .011	
M200j	.750 .785	.245 .271	.025	.045 .065	.200 MAX	.125 MIN	.090 .110	.027 .037	.016 .020	.016 .045	.020	.325 MAX	.009 .011	.400 MAX
M200k	.785 MAX	.280 MAX		.055 .065	.200 MAX	.130 MIN	.090 .120		.016 .020	.050 MAX	.020 .070	.310 MAX	.008 .012	.285 .325
M200m	.787 MAX	.275 MAX			.215	.137	.100		.017	.049 MAX	.019 MIN		.007 MIN	.330
M200n	.755 .785	.280 MAX			.200	.130 MIN	.090 .110		.015 .023		.020 MIN		.008 .014	.325 .395
M200p	.760	.270			.175	.105 .145	.100		.015 .021		.020 MIN		.007 .013	.300
M200q	.765	.248		.060	.175	.105 .145	.100		.015 .021		.025		.008 .012	.290 .310

M-204

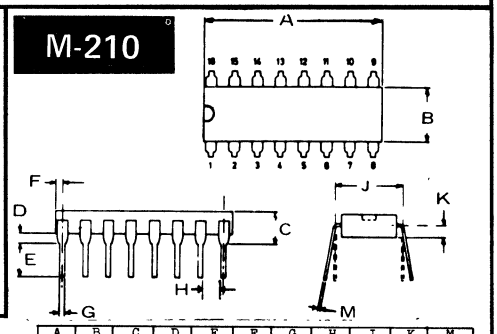


M-207



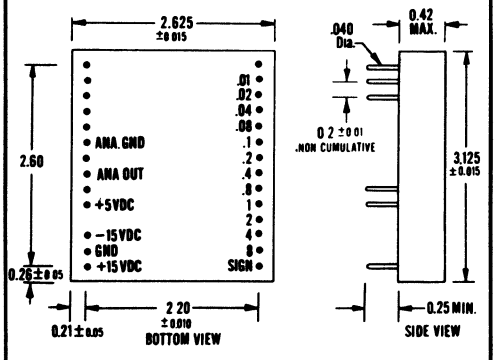
	REMARKS
M 207	LEAD FRAME MAY BE ATTACHED AS SHOWN OR ON BOTTOM
M 207a	AS SHOWN ONLY

M-210

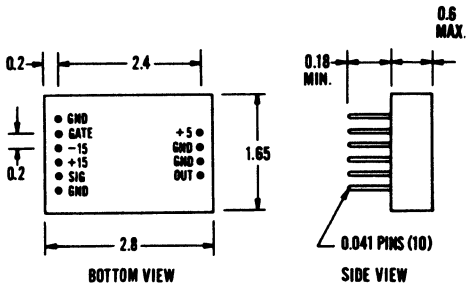


	A	B	C	D	E	F	G	H	J	K	M
M210	.795 MAX	.244 .251	.140	.039	.141	.043	.016 .021	.100	.299	.055	.009
M210a	.866 MAX		.185 MAX	.035 MIN	.104 .150	.086 MAX			.324 MAX		
M210b	.745 .785	.240 .260	.120 .200	.020 .065	.125 .150		.014 .020	.100	.300 .325		.008 .012
M210c	.745 .785	.220 .310	.175 .250	.020 .050	.125 .150		.014 .023	.100	.300 .310		.008 .012

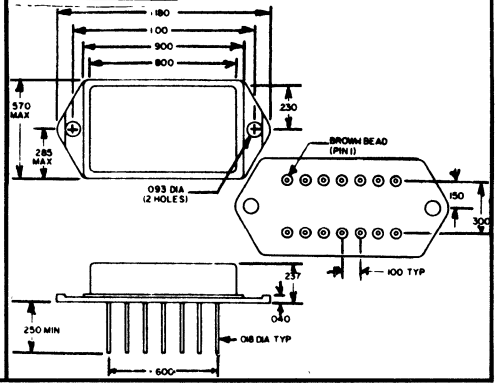
M-211



M-212



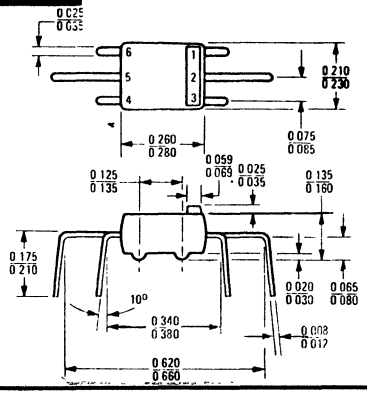
M-219



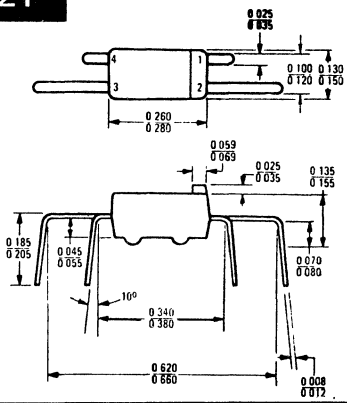
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

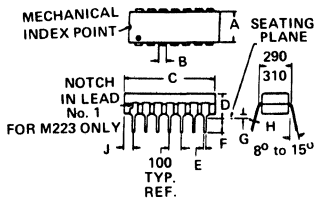
M-220



M-221

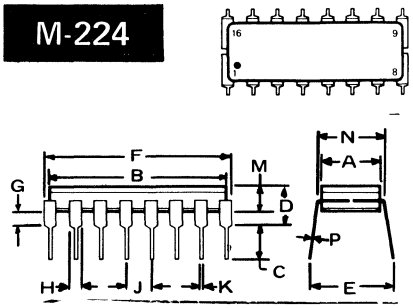


M-223



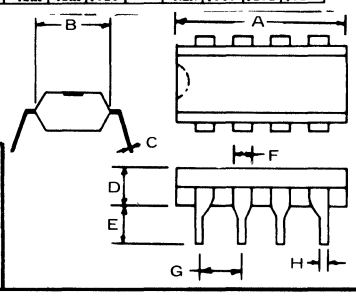
	A	B	C	D	E	F	G	H	J
M223	.240 .260	.030 .070	.660	.200 MAX	.015 .023	.100 MIN	.020 .030	.008 .015	.065 .085
M223a	.250	.060	.760 .765	.180 MAX	.020	.130	.040	.010	.020
M223b	.250	.060	.760 .765	.180 MAX	.020	.130	.040	.010	.050

M-224



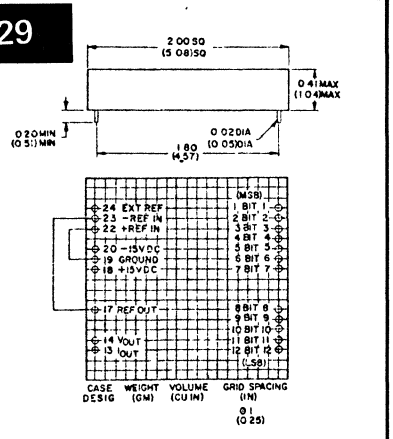
	A	B	C	D	E	F	G	H	J	K	M	N	P
M224	.180 MAX	.700	.125	.265	.350 MAX		.020		.100	.019		.300	.010
M224a	.220 .280	.660 .785	.100 MIN	.200 MAX			.020		.100	.019		.300	.010
M224b	.265 MAX	.725 MAX	.105 .145	.180 MAX	.310 .350		.020		.100	.019		.300	.010
M224c	.235 .265		.100 MIN	.200 MAX	.325 .375	.740 .760	.020 .080	.030 .070	.090 .110	.015 .023	.090 .110	.290 .310	.008 .015

M-226

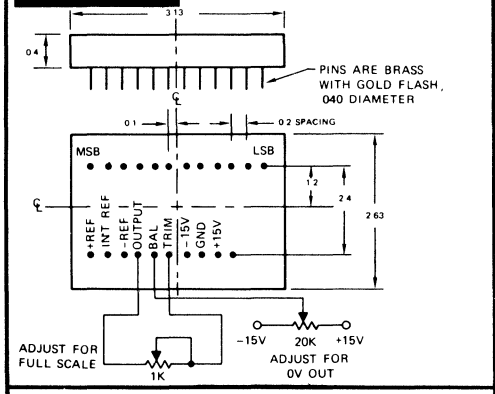


	A	B	C	D	E	F	G	H
M226	.400	.240 .260	.008 .013	.200 MAX	.125 MIN	.070 MAX	.010	.016 .020
M226a	.374 MAX	.248	.009	.137 MAX	.116 .129		.010	.017
M226b	.413 MAX	.256 MAX	.008 .015	.177	.098 MIN	.034 .067	.099 .101	.016 .024

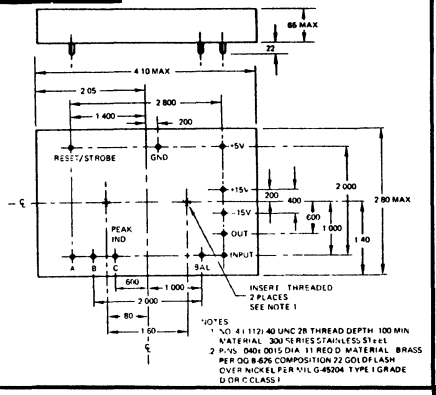
M-229



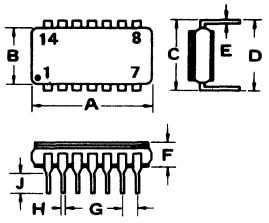
M-230



M-234

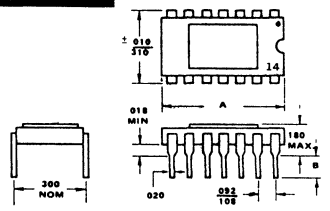


M-235



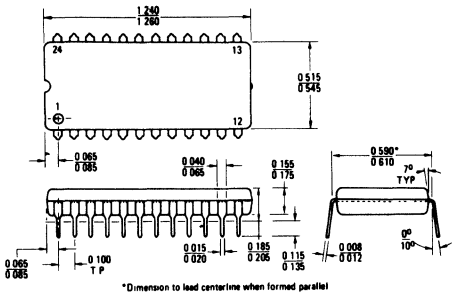
	A	B	C	D	E	F	G	H	J
M235	.730 MAX	.265 MAX	.290 .310	.350 MAX	.008	.095 MAX	.090 .110	.018	.150 MIN
M235a	.785 MAX	.280 MAX	.290 .310	.375		.185	.090 .110	.015	.125
M235b	.715	.270 MAX		.300 .350	.008 .015		.100 TYP	.015 .023	.125 MIN

M-236

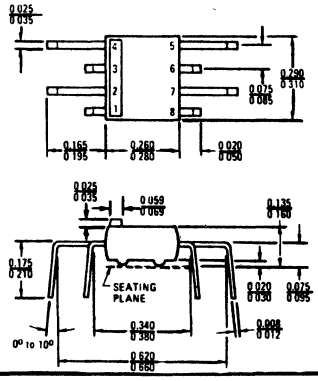


	A	B
M236	.750 MAX	.110 TYP
M236a	.800 MAX	.130 TYP
M236b	.680	.125 MIN

M-237



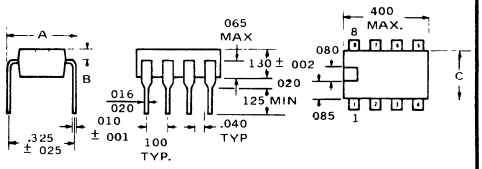
M-238



SECTION 13. OUTLINE DRAWING

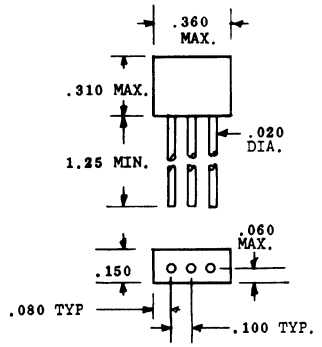
IN DRAWING NUMBER SEQUENCE

M-239

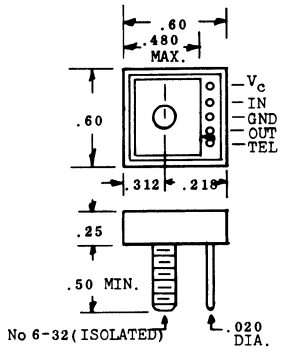


	A	B	C
M239	.305 / .315	.030	.248 / .252
M239a	.300 / .320	.075 MAX	.245 / .255
M239b	.300 / .320	.030 MAX	.245 / .255

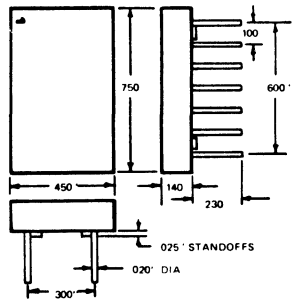
M-241



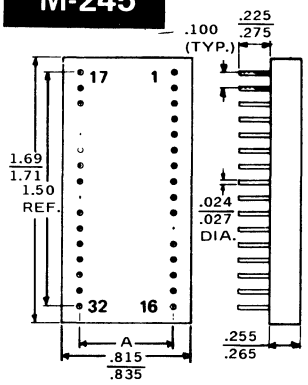
M-242



M-244

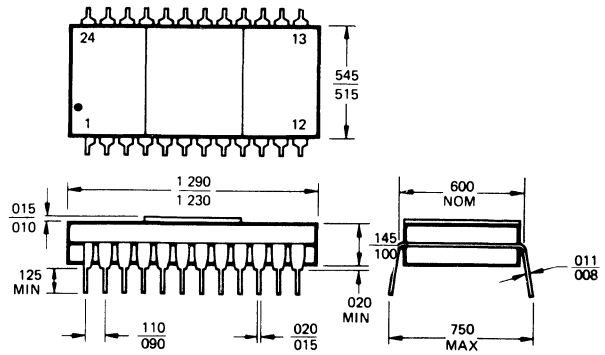


M-245

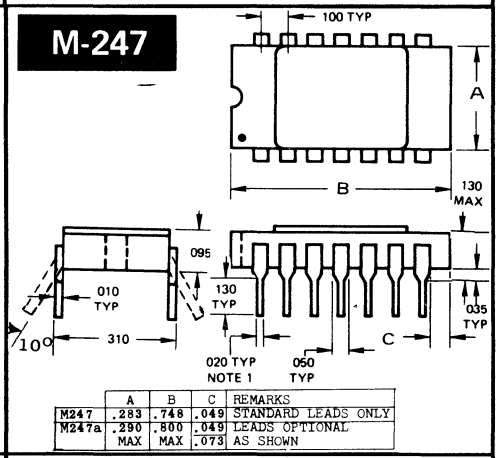


	A
M245	.675
M245a	.600

M-246

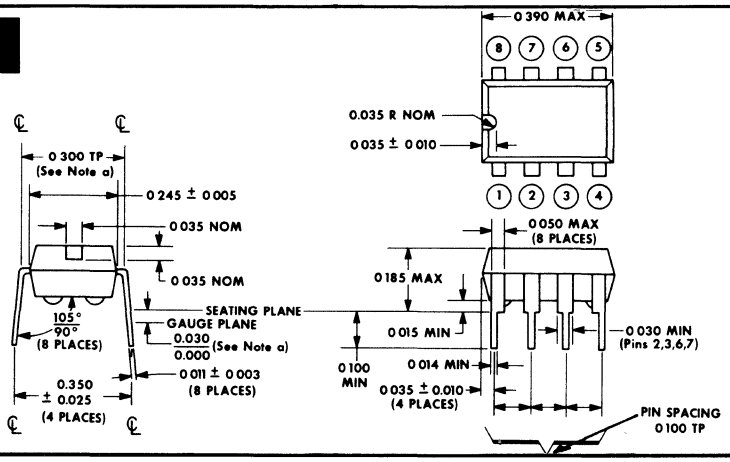


M-247



	A	B	C	REMARKS
M247	.283	.748	.049	STANDARD LEADS ONLY
M247a	.290	.800	.049	LEADS OPTIONAL
	MAX	MAX	.073	AS SHOWN

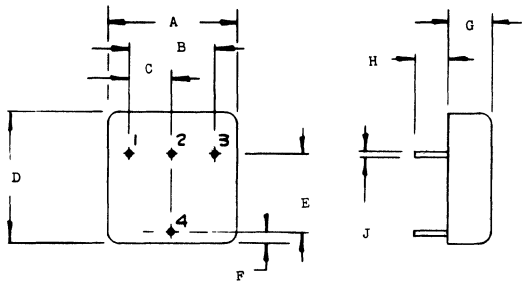
M-248



SECTION 13. OUTLINE DRAWING

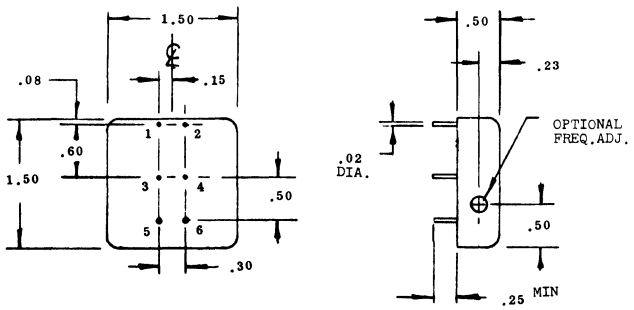
IN DRAWING NUMBER SEQUENCE

M-250

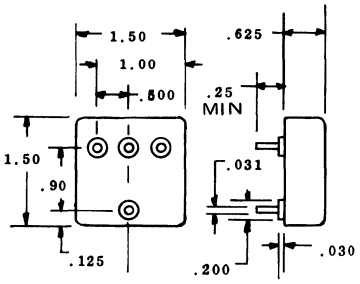


	A	B	C	D	E	F	G	H	J
M-250	1 1/2	1.00	.500	1 1/2	.900	1/8	1/2	.400 MIN	.040
M-250a	1.50	1.00	.500	1.50	1.00		.300	.380 MIN	.040
M-250b	.970	.800	.400	.970	.500		.500	.250 MIN	.030

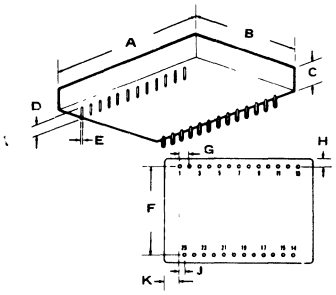
M-251



M-253

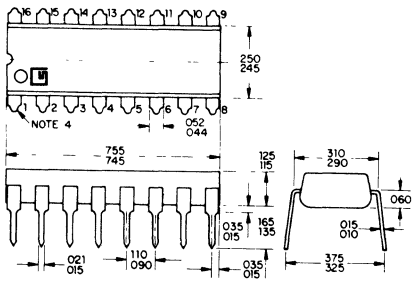


M-254



	A	B	C	D	E	F	G	H	J	K
M254	3.00 MAX	2.10 MAX	.400 MAX	.200 MIN	.040	1.80	.200	.150	.100	.300
M254a	3.12	2.62	.600 .625	.250 MIN		2.2	.200	.212		.262

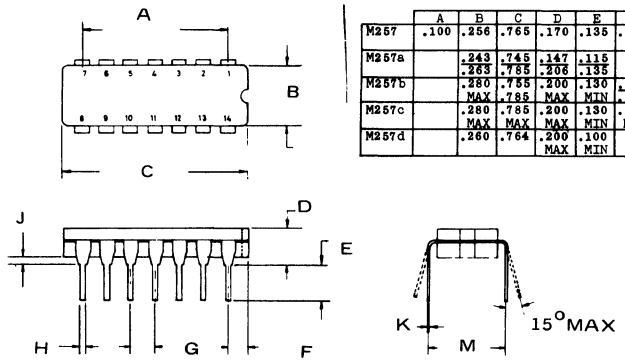
M-256



SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

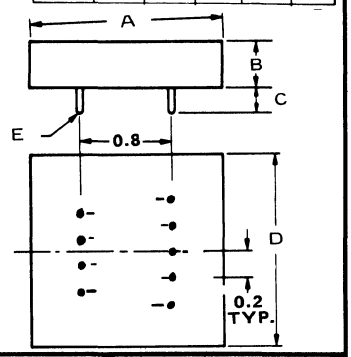
M-257



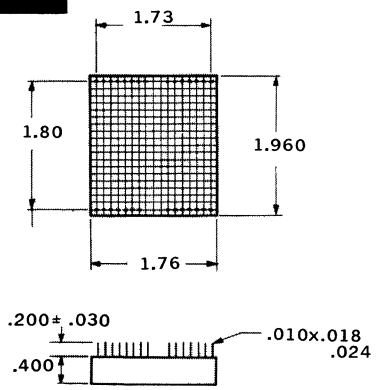
	A	B	C	D	E	F	G	H	J	K	M	REMARKS
M257	.100	.256	.765	.170	.135	.085	.100	.019	.021 .036	.009 .012	.300	NOTCH
M257a		.243 .263	.745 .755	.147 .206	.115 .135		.099 .101	.016 .020	.020 .040	.010 .012	.300	NOTCH
M257b		.280 MAX	.755 .785	.200 MAX	.130 MIN	.070 .100	.090 .110	.015 .023	.030 MIN	.006 .014	.325 .395	NO NOTCH
M257c		.280 MAX	.785 MAX	.200 MAX	.130 MIN	.100 MAX	.090 .110	.016 .020	.020 .070	.008 .012	.285 .325	NOTCH
M257d		.260	.764	.200 MAX	.100 MIN		.100	.019	.032 MIN	.008 .014	.300	NOTCH

M-258

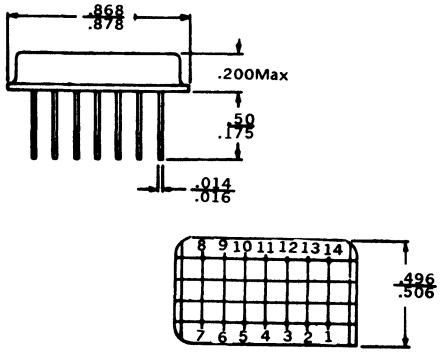
	A	B	C	D	E
M258	1.75	.400	.220 MAX	1.75	.040
M258a	1.12	.375	.250 MIN	1.12	



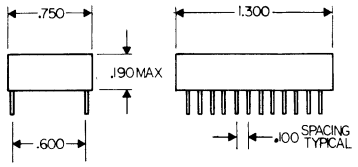
M-259



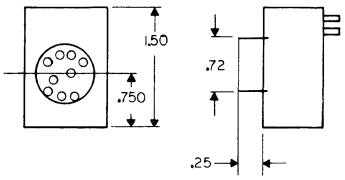
M-260



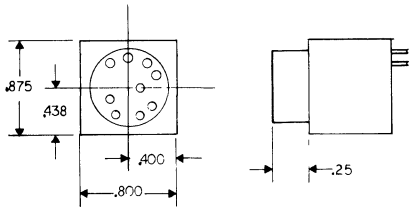
M-261



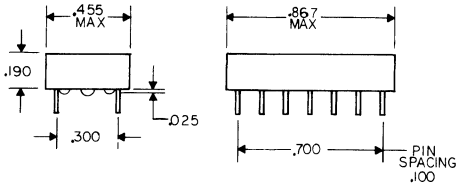
M-262



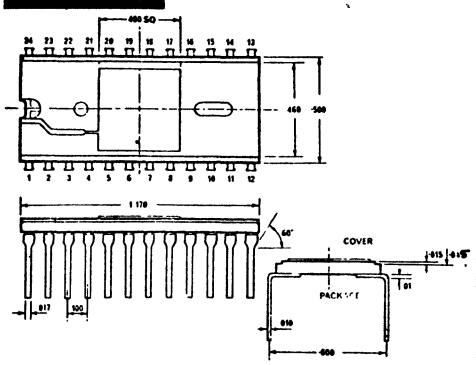
M-263



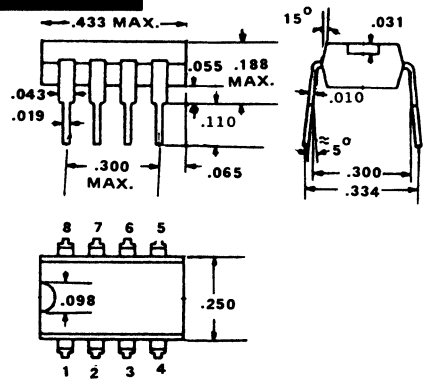
M-264



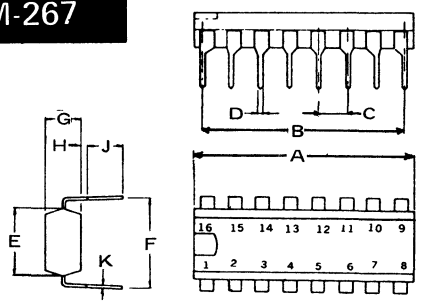
M-265



M-266



M-267

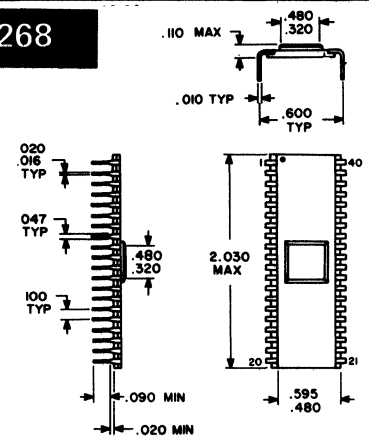


	A	B	C	D	E	F	G	H	J	K
M267	.787 MAX		.100	.017	.255 MAX	.330	.129	.019 MIN	.137	.007 MIN
M267a	.740		.100	.018	.252 MAX	.330 .370	.126 MAX	.025	.125 MAX	.009 .011
M267b	.740 .760		.090 .110	.016 .020	.240 .260	.375 NOM	.185 NOM	.015 NOM	.100 .150	.009 .011

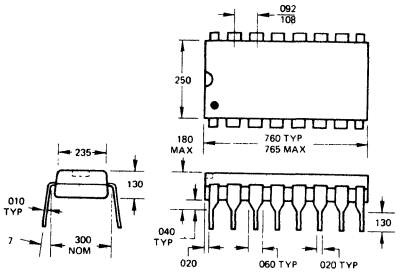
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

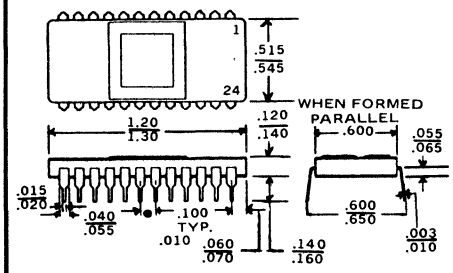
M-268



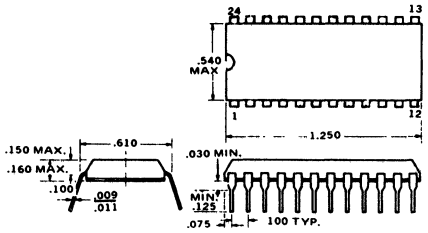
M-269



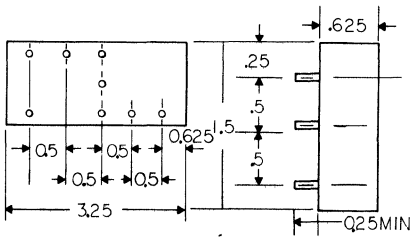
M-270



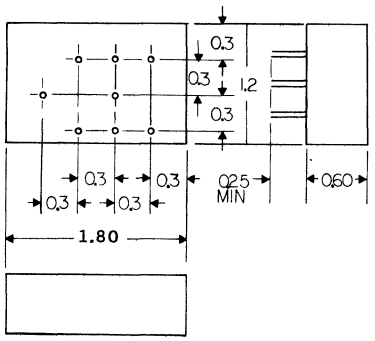
M-274



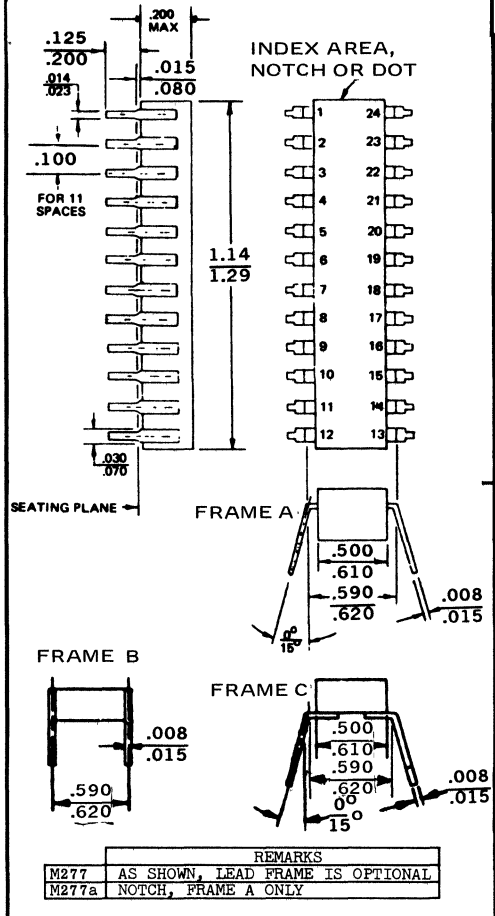
M-275



M-276

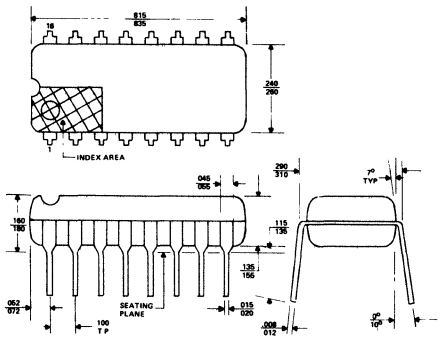


M-277

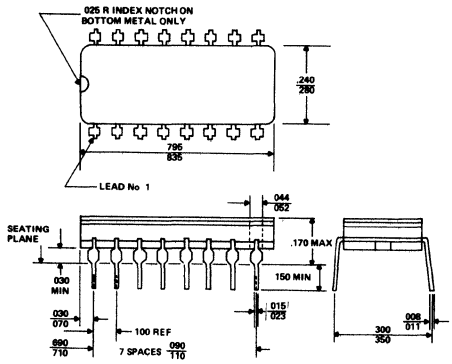


	REMARKS
M277	AS SHOWN, LEAD FRAME IS OPTIONAL
M277a	NOTCH, FRAME A ONLY

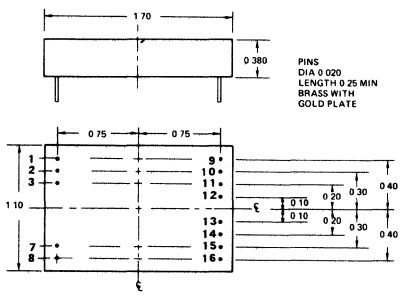
M-278



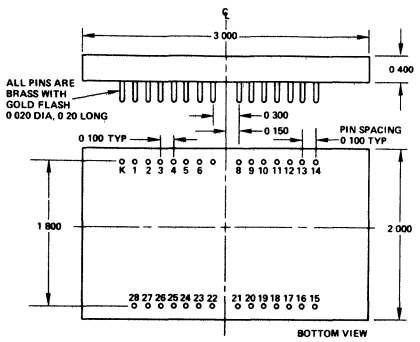
M-280



M-281



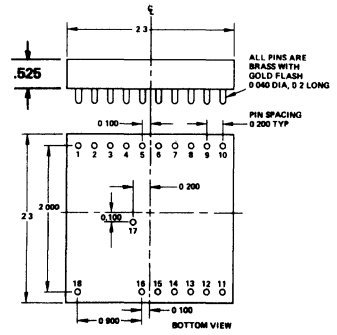
M-283



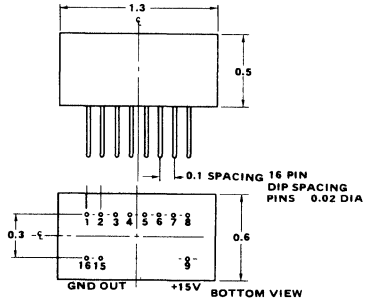
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

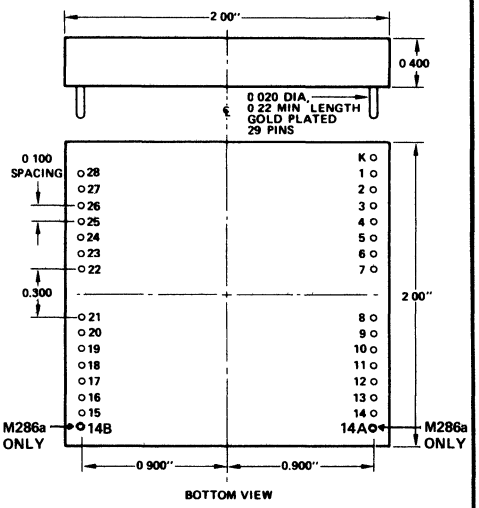
M-284



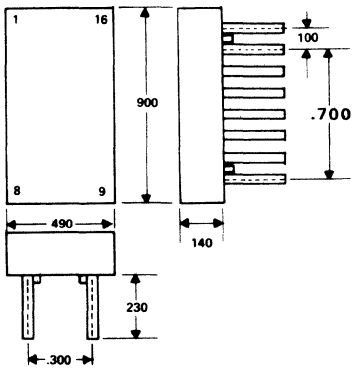
M-285



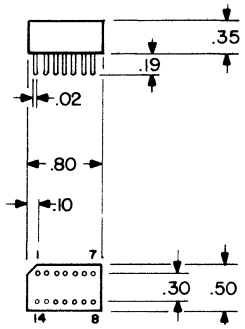
M-286



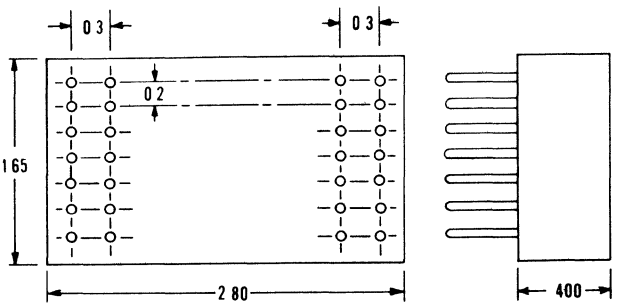
M-287



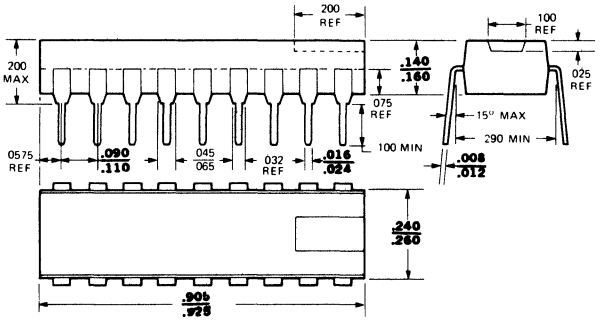
M-288



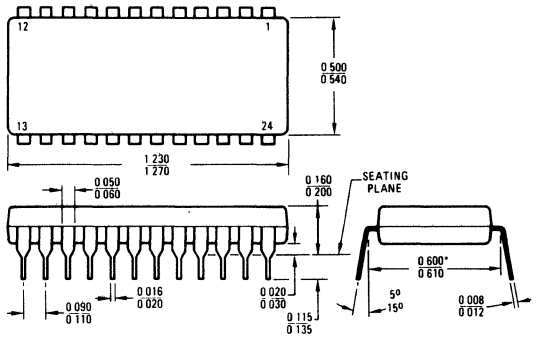
M-289



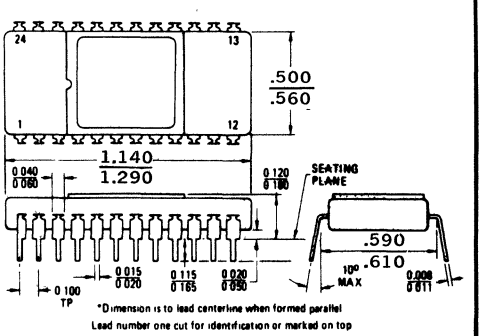
M-290



M-291



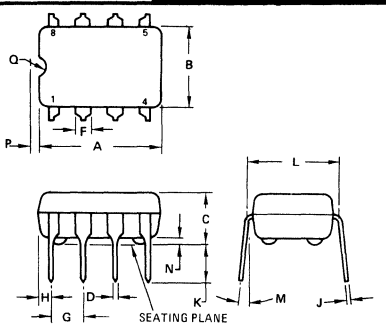
M-292



SECTION 13. OUTLINE DRAWING

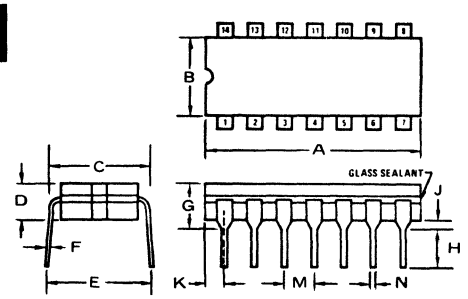
IN DRAWING NUMBER SEQUENCE

M-293



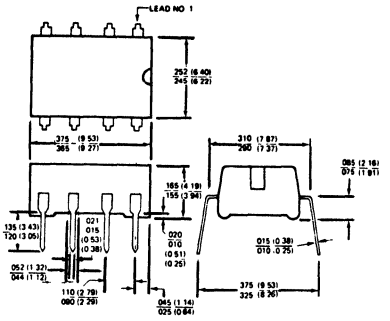
	A	B	C	D	F	G	H	J	K	L	M	N	P	Q
M293	.370 .390	.240 .250	.135 .155	.015 .019	.030 .060	.100 T.P.	.045 MAX	.008 .011	.115 .135	.290 .310	0° 10°	.020 NOM		.030 .040
M293a	.370 .400	.240 .260	.155 .175	.015 .020	.040 .060	.100 BSC	.030 .050	.008 .012	.115 .135	.290 .310	10°	.020 NOM	.005 .015	.030 .040

M-294

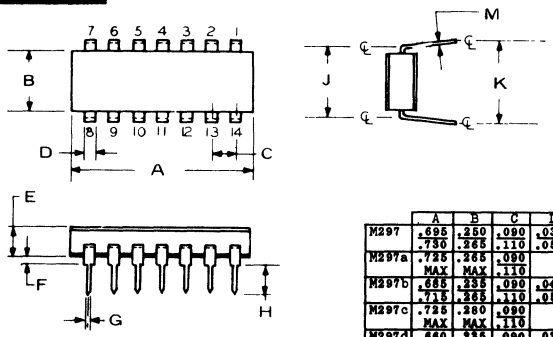


	A	B	C	D	E	F	G	H	J	K	M	N
M294	.590 MIN	.275 MAX		.196	.330	.007 MIN		.137	.019 MIN		.100	.017
M294a	.785 MAX	.260 MAX	.310 MAX	.160 MAX	.300 .370	.008 .014	.175	.130 MIN	.020	.100 MAX	.090 .110	.015 .023
M294b	.785 MAX	.260 MAX	.300		.370 MAX	.009 .012	.200 MAX	.115	.020 MIN		.100	.015 .021
M294c	.740 .800		.324 MAX		.299	.007 .011	.199 MAX	.100 .149	.014 MIN	.049 .100	.100	.014 .020

M-296

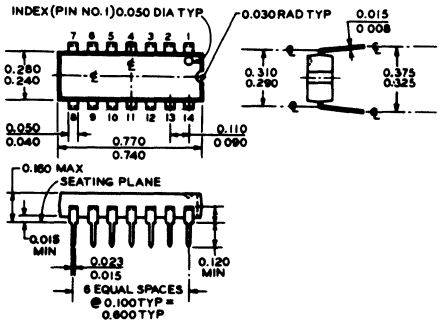


M-297

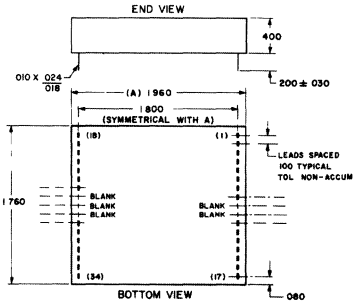


	A	B	C	D	E	F	G	H	J	K	M
M297	.695 .730	.250 .265	.090 .110	.035 .050	.110 MAX	.050 MIN	.014 .020	.120 MIN	.300	.325 .375	.008 .010
M297a	.725 MAX	.265 MAX	.090 .110		.180 MAX	.020	.015 .019	.105 .145	.320 MAX	.310 .350	.010
M297b	.685 .715	.255 .265	.090 .110	.040 .055	.130	.030 MIN	.017 .023	.150	.290 .310	.290 .310	
M297c	.725 MAX	.260 MAX	.090 .110		.105 MAX	.040 .075	.015 .019	.105 .145	.320 MAX	.310 .350	.008 .011
M297d	.660 .785	.225 .265	.090 .110	.030 .070	.120 MAX	.020 .080	.015 .023	.100 MIN	.290 .310	.325 .375	.008 .011

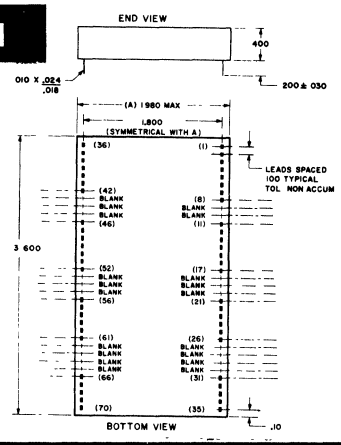
M-298



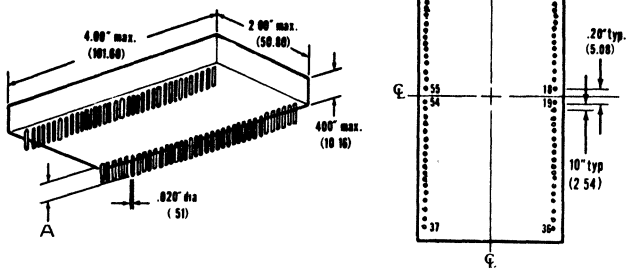
M-300



M-301



M-302

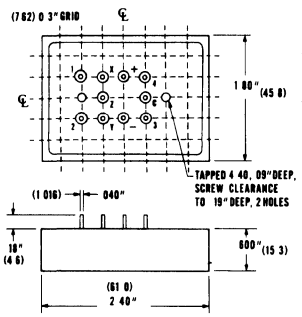


	A	PINS USED (ALL OTHER PINS MISSING)
M302	.200 MIN	7-16,21,24,26,28,31,38-42,44-47,49,51,53,57,59,60,62,64,66,68-9
M302a	.250 MIN	1-4,9-12,22,28,30,32,34,36,42-3,45-9,53,71
M302b	.200 MIN	1,18-9,36-7,54-5,72
M302c	.220 MIN	1-3,15-23,25,27,29-30,32-6,38,43,48,50,52-6,58,61,63,65,67,70-2
M302d	.250 MIN	1-4,9-12,14-19,23-26,28,30,32,34,43-49,52-66,68-72
M302e	.200 MIN	1-6,19-20,23-3,25,7,9-30,32-6,37,43,46,50,2,4,6,8,61,3,5,7,70-2
M302f	.220 MIN	1,3-5,9,11,13,15,17,18,20,2,4,6,8,30,2,4,6,7,50-1,3,5-6,8,62-8,70,2
M302g	.220 MIN	1-5,18-25,29-37,47-8,51-4,63-4,66-7,69-70
M302h	.220 MIN	6,8,11,18-9,22,4,6,8,30,2,4,6,7,8,9,42,6,7,8,72
M302j	.220 MIN	1,4,7,10,3,5,8,20,3,4,6,8,30,4,6-9,41,3,5-7,51,69,70-2
M302k	.220 MIN	1,3,5-13,17-8,30-2,34,35,37,40,42,3,49-61,63,5,6,68,70,72
M302m	.220 MIN	1,6,15,9,22,32,5,40,3,4,7,9,51,3,6,8,60,2-5,7-8,70

SECTION 13. OUTLINE DRAWING

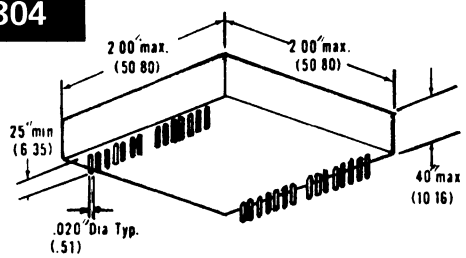
IN DRAWING NUMBER SEQUENCE

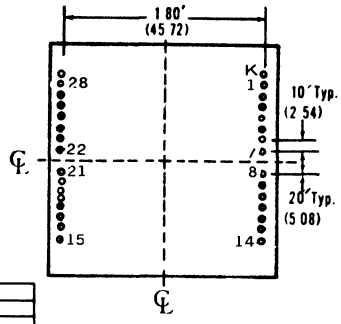
M-303



	PINS								
	1	2	3	4	5	6	7	8	9	10
M303	1	X	+	4	Z	C	2	Y	-	3
M303a	1	X	+	NA	Z	4	2	Y	-	NA

M-304

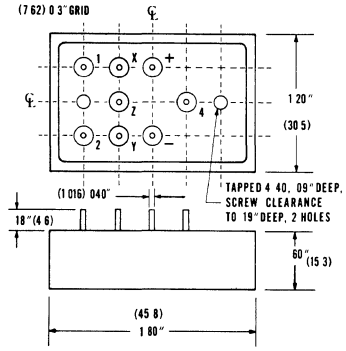




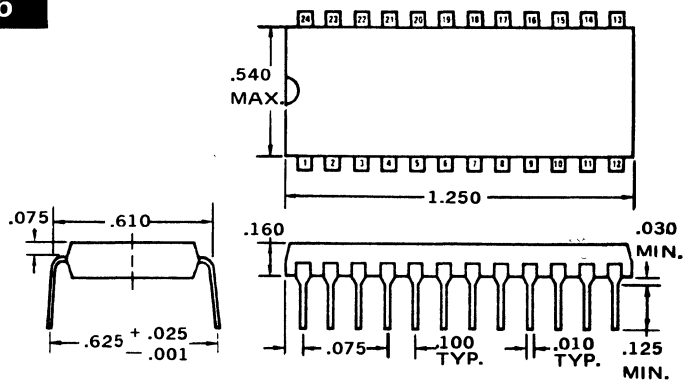
BOTTOM VIEW

	PINS USED (ALL OTHER PINS MISSING)
M304	K,1-3,5,7-18,21-8
M304a	1-14,24,27-29
M304b	K,1,4,10,12,14-5,17,24,26,28
M304c	1,4-7,8-11,12,13-20 (CONSULT MFR. FOR EXACT PLACEMENT)
M304d	4-7,8-11,16-21,22-27 (CONSULT MFR. FOR EXACT PLACEMENT)
M304e	5-7,8-14,15-16,24-28 (CONSULT MFR. FOR EXACT PLACEMENT)
M304f	K,1-12,15-18,21-24,27

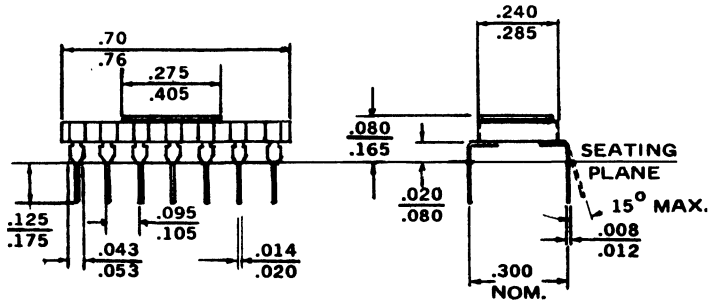
M-305



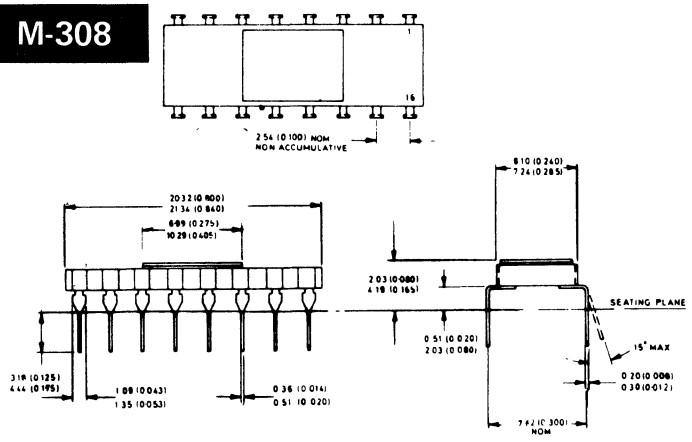
M-306



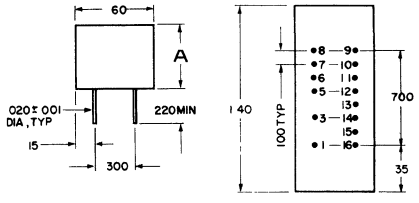
M-307



M-308

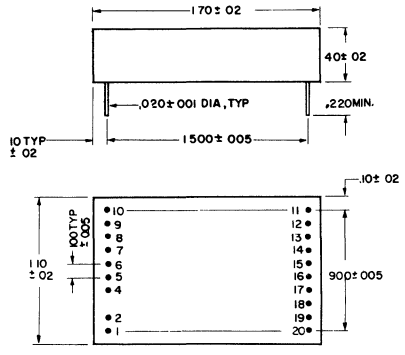


M309



	A	PINS USED (ALL OTHERS MISSING)
M309	.400	1-16
M309a	.490	1,3,5-16
M309b	.400	1-2,4,9,13,15-16
M309c	.500	1-9,15-6

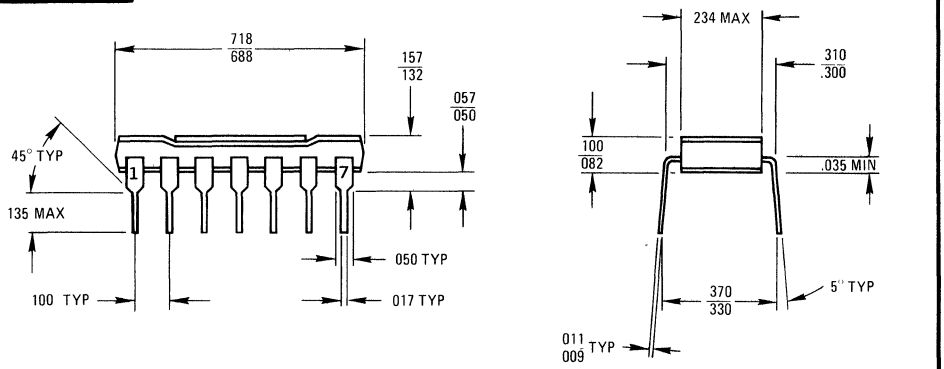
M310



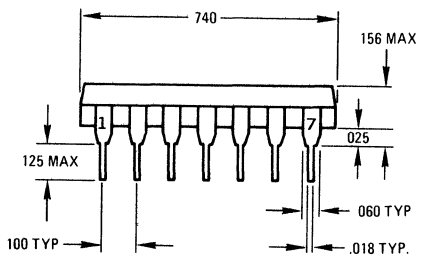
SECTION 13. OUTLINE DRAWING

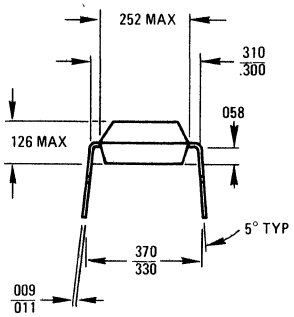
IN DRAWING NUMBER SEQUENCE

M312

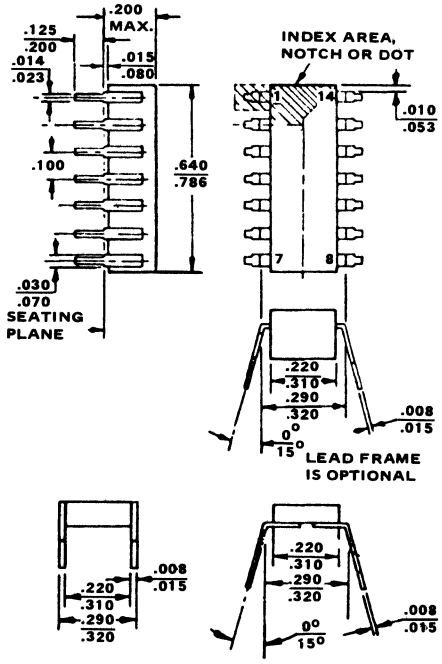


M313

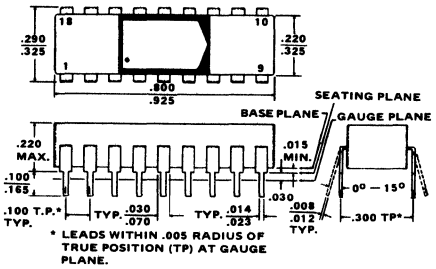




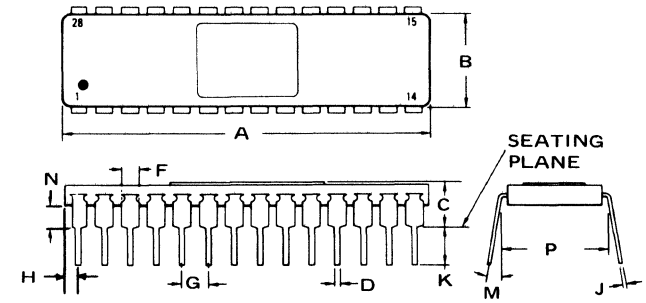
M314



M315

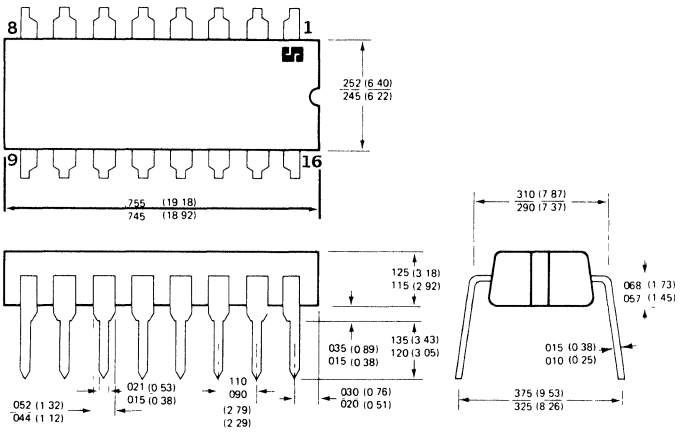


M316



	A	B	C	D	F	G	H	J	K	M	N	P
M316	1.480	.500	.120	.015	.040	.100		.009	.115	10°	.015	.600
	MAX	.545	.150	.020	.060	T.P.		.012	.165	MAX	.050	T.P.
M316a	1.345	.500	.120	.015	.035	.100	.035	.008	.115	15°	.020	
	1.355	.545	.155	.020	.055	BSC	.055	.011	.145	MAX	.040	

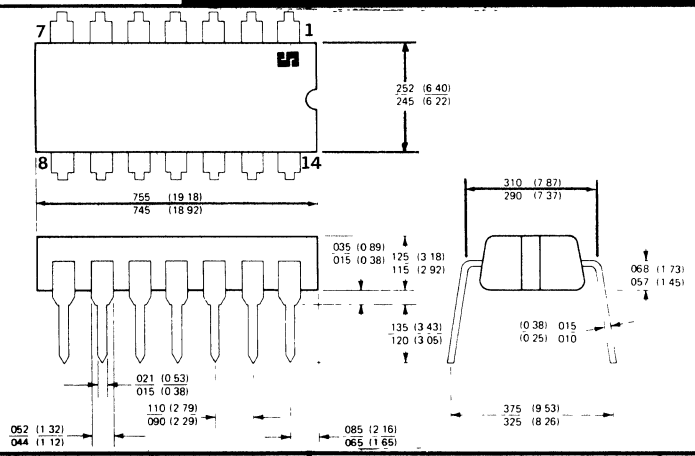
M317



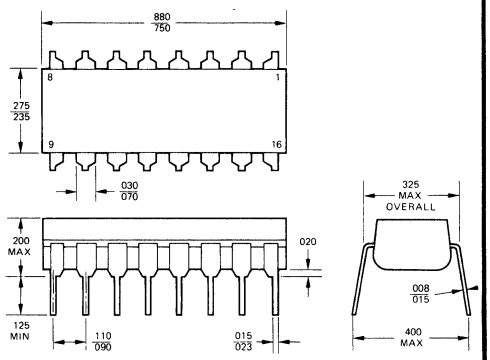
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

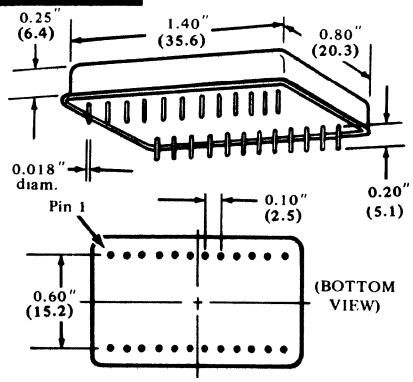
M318



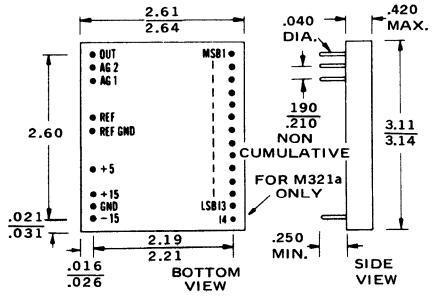
M319



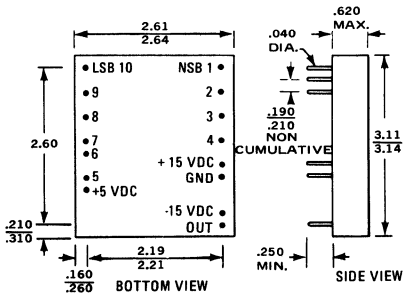
M320



M321



M322



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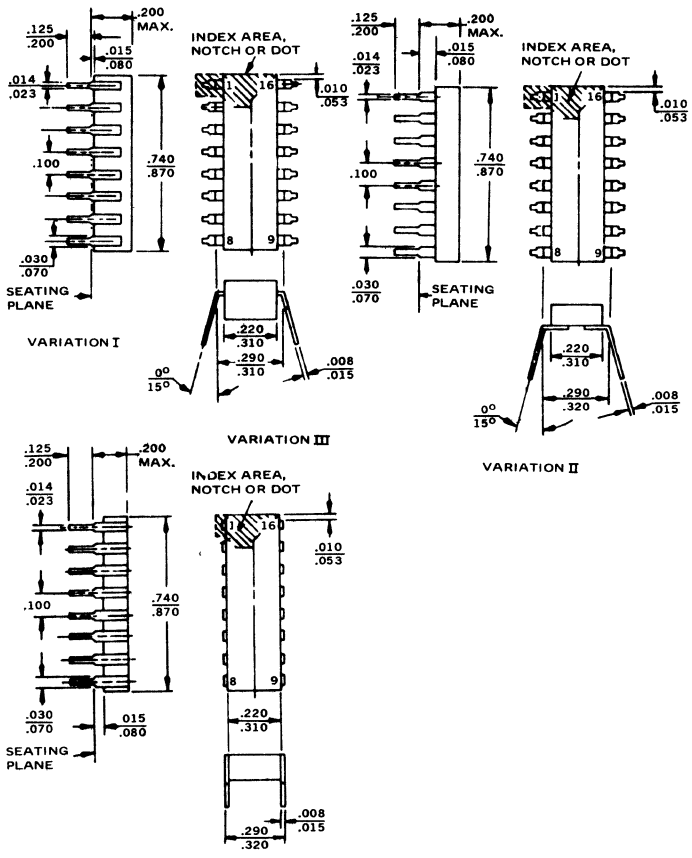
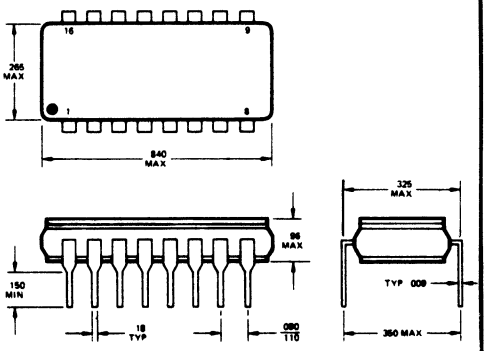
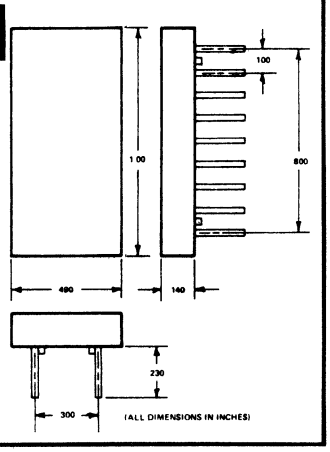


M324



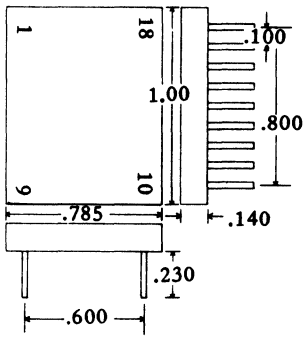
M325



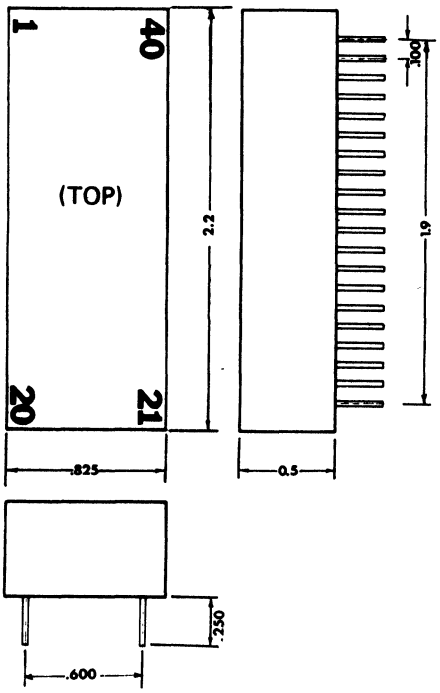
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

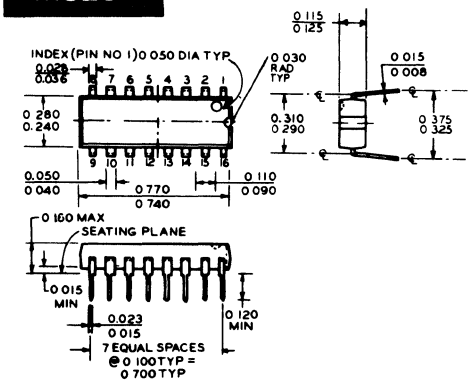
M326



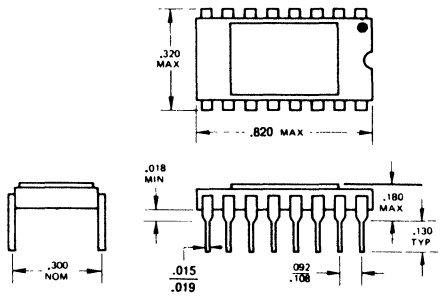
M327



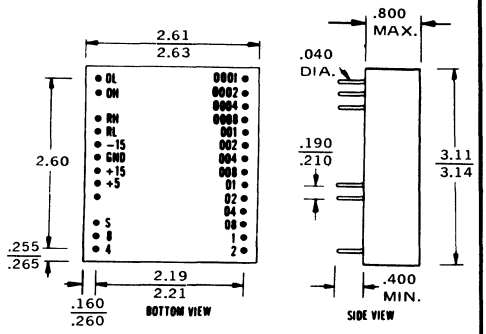
M328



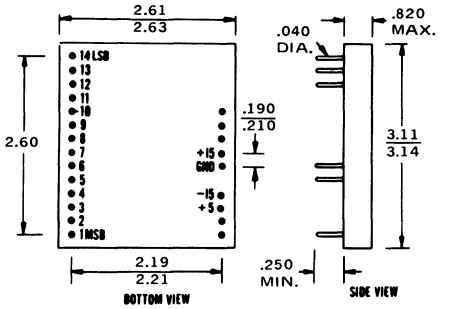
M330



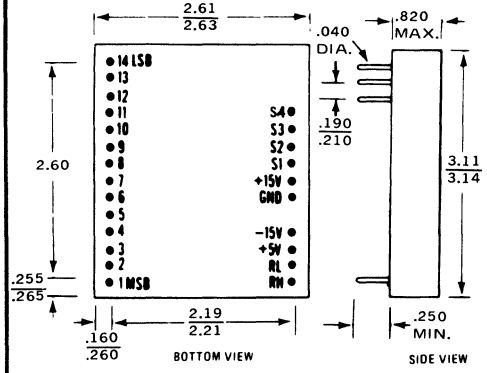
M331



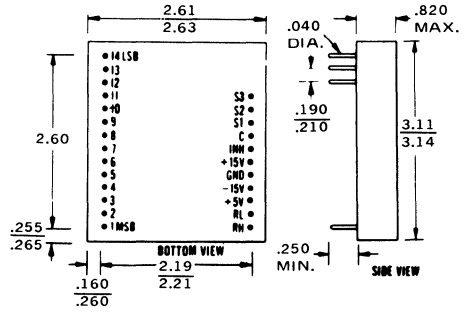
M332



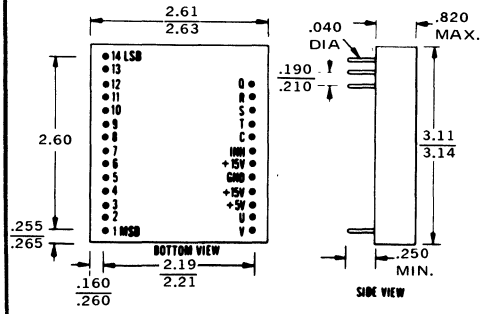
M333



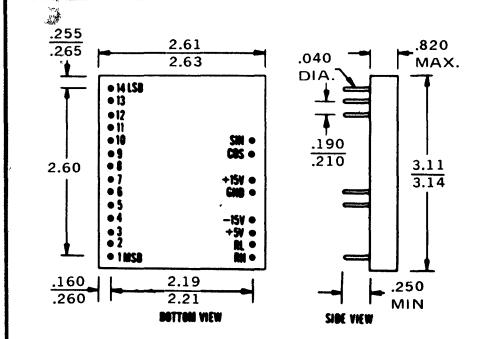
M334



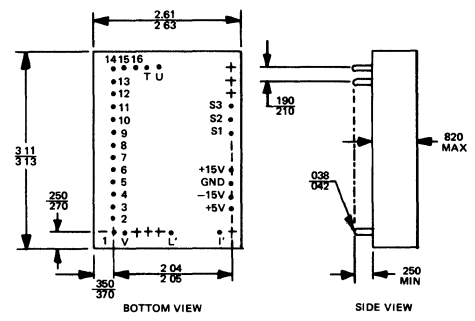
M335



M336



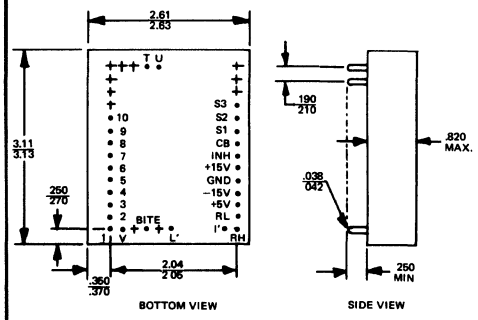
M337



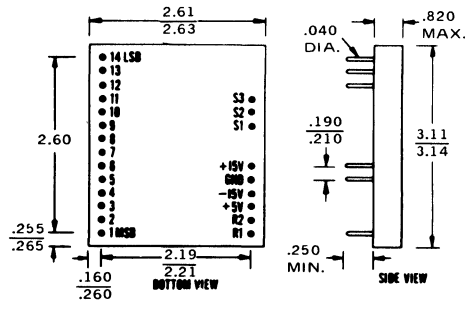
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

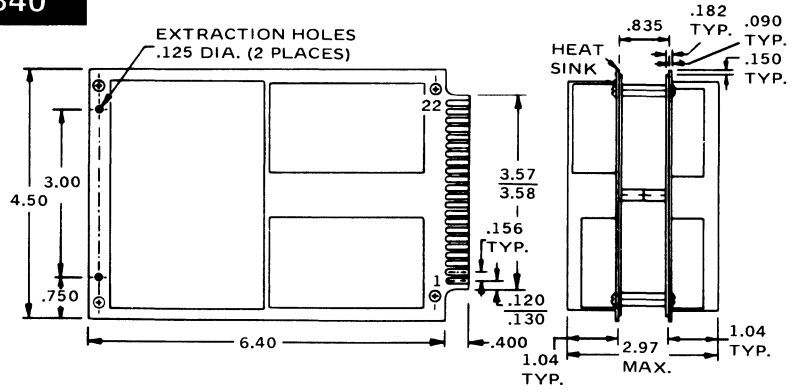
M338



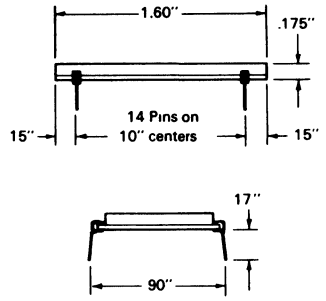
M339



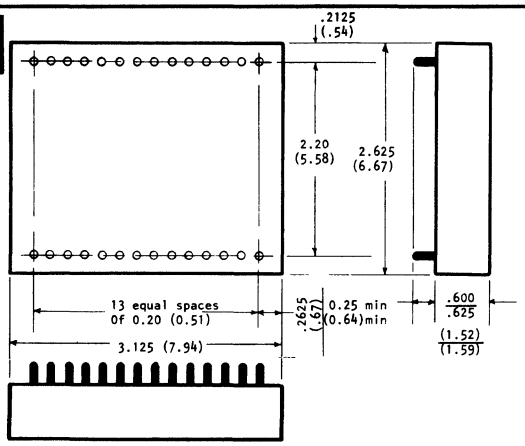
M340



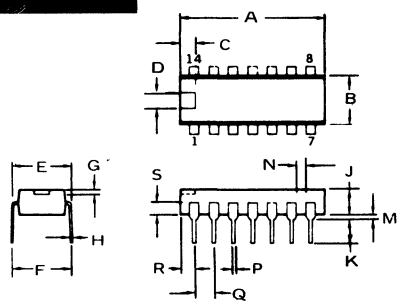
M342



M343

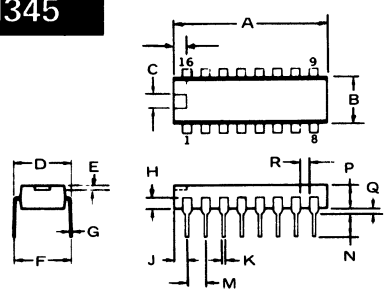


M344



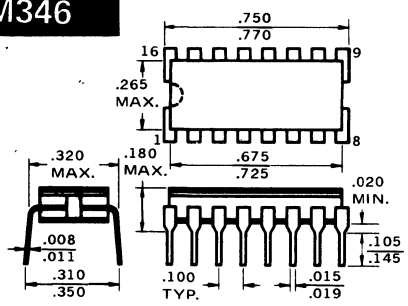
	A	B	C	D	E	F	G	H	J	K	M	N	P	Q	R	S
M344	.770 MAX	.245 .255	.080	.080	.300 .320	.310 .350	.030 MAX	.009 .015	.125 .135	.125 MIN	.020 MIN	.040	.015 .021	.100	.060 .090	.065
M344a	.745 .755	.245 .255			.290 .300	.325 .375		.009 .011	.125 .135	.125 MIN	.020		.018 .022	.090 .110		

M345

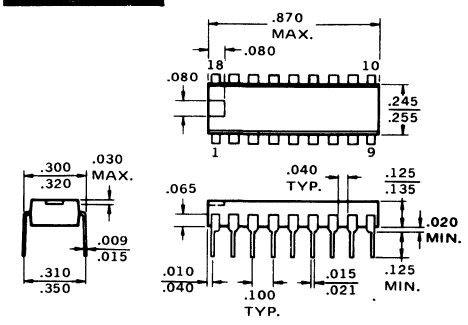


	A	B	C	D	E	F	G	H	J	K	M	N	P	Q	R
M345	.870 MAX	.245 .255	.080	.300 .320	.030 MAX	.310 .350	.009 .015	.065	.060 .090	.015 .021	.100	.125 MIN	.125 .135	.020 MIN	.040
M345a	.890 MAX	.260 MAX	.040		.030	.310 .350	.008 .012		.030	.065 .085	.090 .110	.125 MIN	.140	.035	

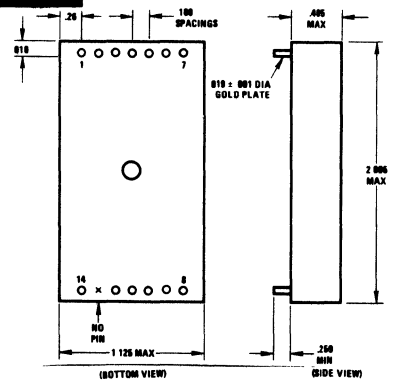
M346



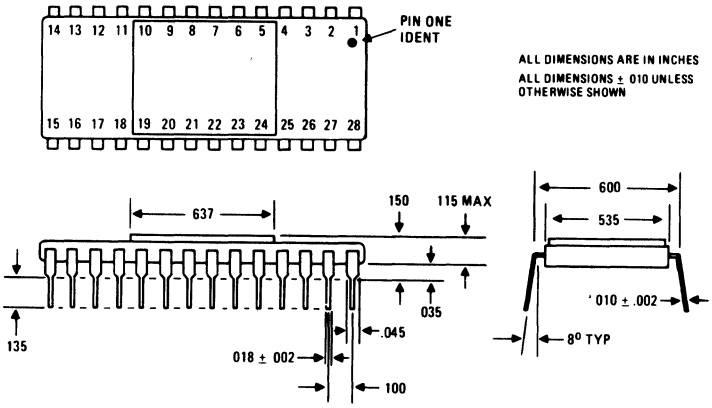
M347



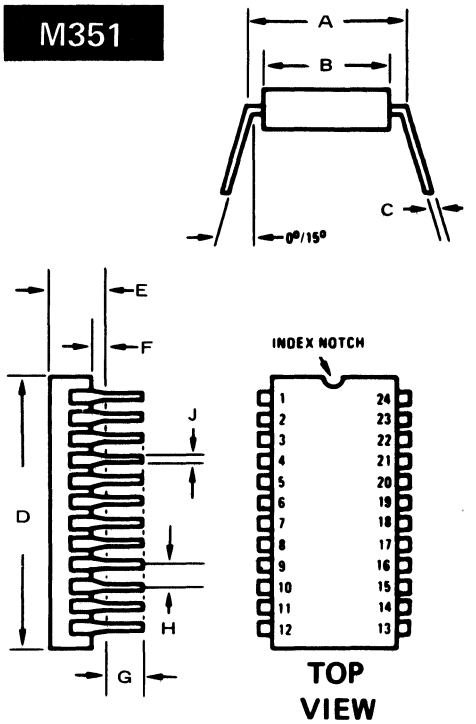
M348



M349

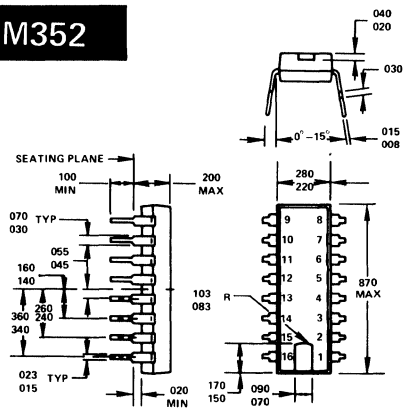


M351



	A	B	C	D	E	F	G	H	J
M351	.590	.520	.007	1.24	.220	.050	.105	.090	.015
	.610	.540	.015	1.28	MAX		.145	.110	.021
M351a	.600	.480	.008	1.15	.090	.020	.100	.100	.015
		.520	.012	1.22	.150	.065	.180		.020

M352



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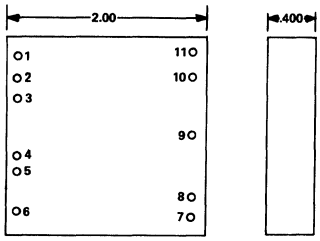
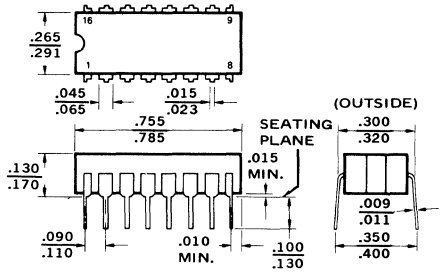
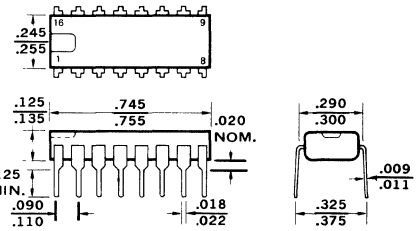


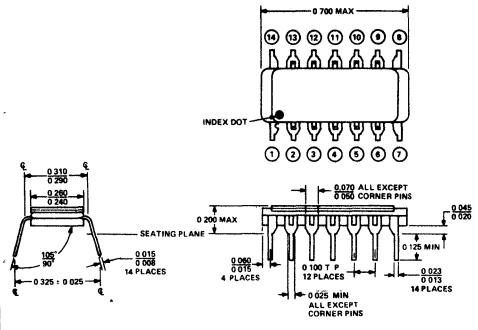
M356



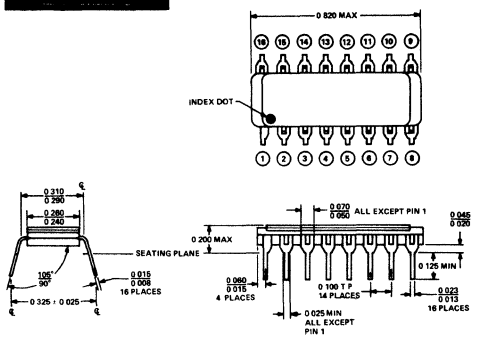
M357



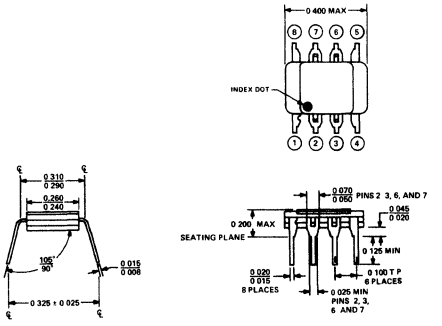
M358



M359



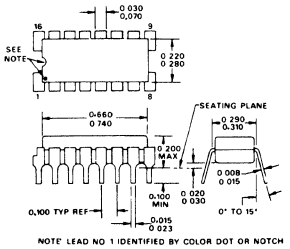
M360



SECTION 13. OUTLINE DRAWING

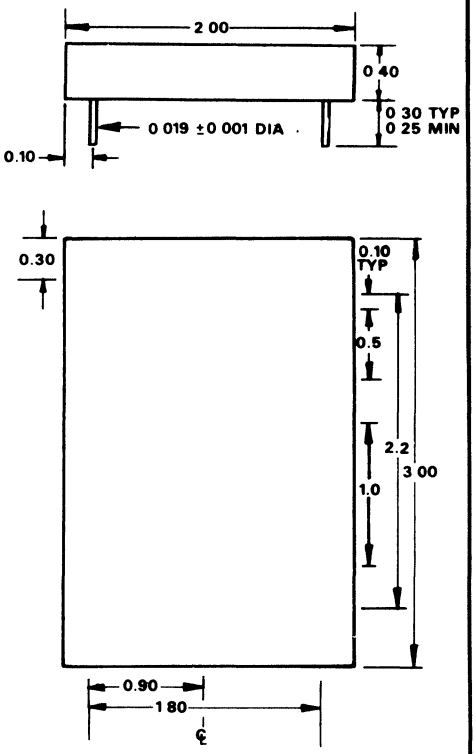
IN DRAWING NUMBER SEQUENCE

M361

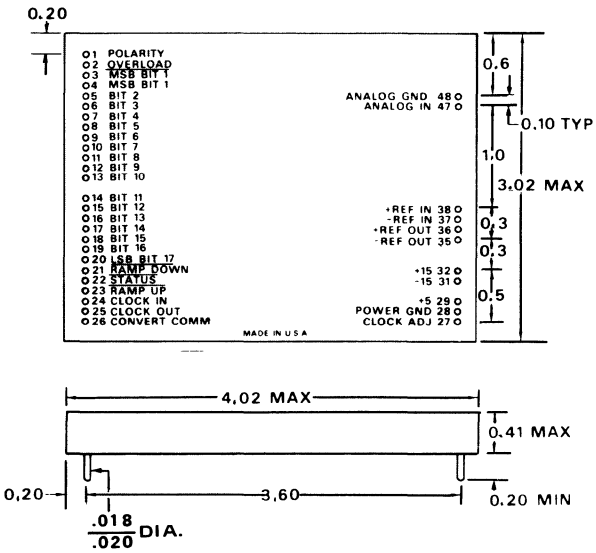


NOTE: LEAD NO 1 IDENTIFIED BY COLOR DOT OR NOTCH

M362

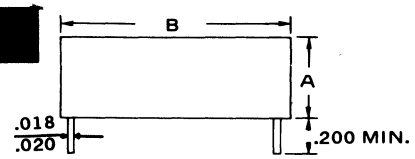


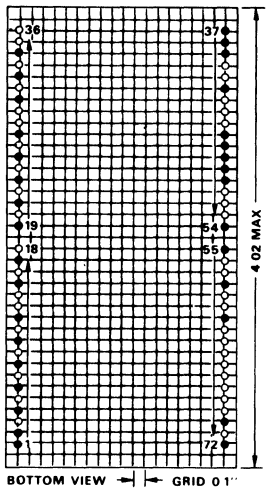
M363



	REMARKS
M363	AS SHOWN
M363a	OMIT PINS 6,7 and 8; BITS 3 THROUGH 14 ARE LOCATED AT PINS 9 THROUGH 20

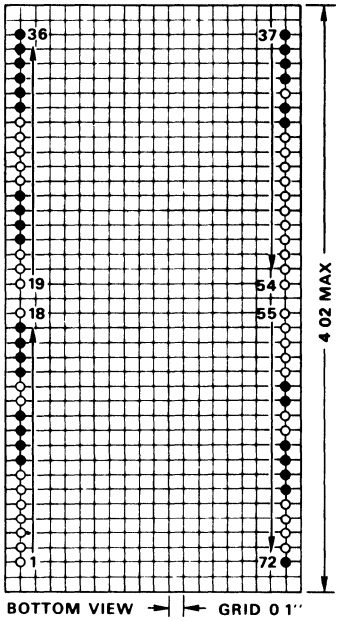
M364



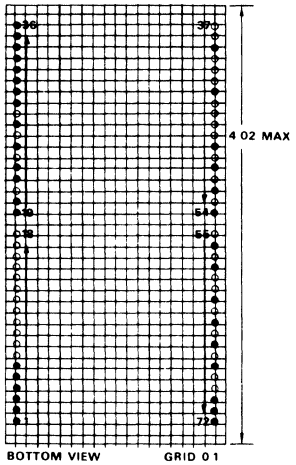


M364,a,b

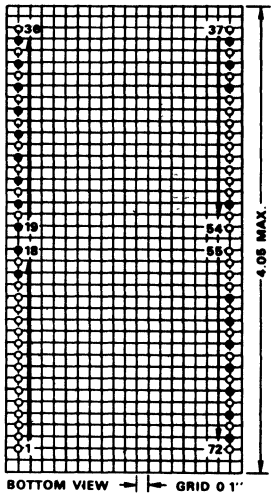
NOTE: TERMINAL PINS INSTALLED ONLY IN SHADED HOLE LOCATIONS.



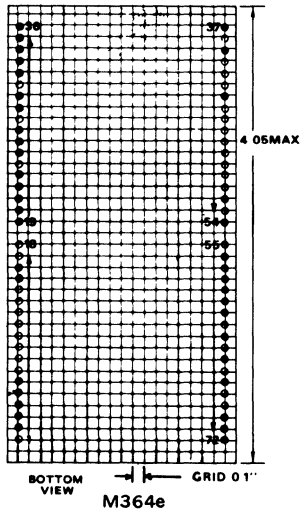
M364c



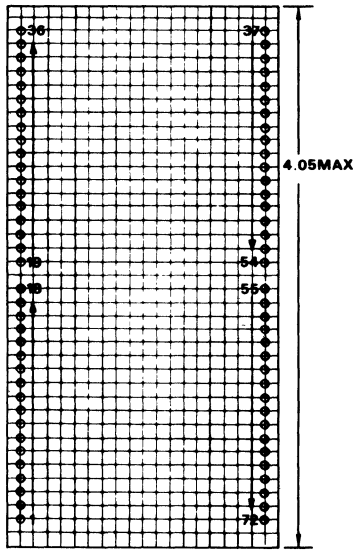
M364d



M364g



M364e



M364f

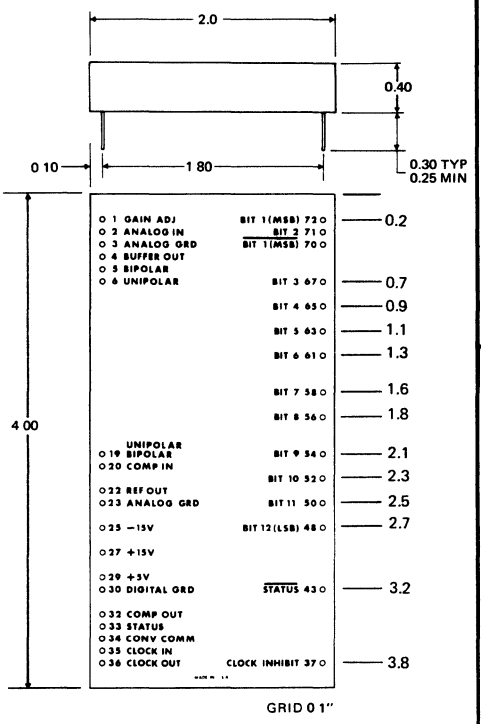
ALL PINS USED.

	A	B	REMARKS
M364	.770 MAX	2.02 MAX	OMIT PINS 58 and 61
M364a	.770 MAX	2.02 MAX	OMIT PINS 32 and 34
M364b	.770 MAX	2.02 MAX	OMIT PINS 27,30,32 and 34
M364c	.420 MAX	2.02 MAX	AS SHOWN
M364d	.410 MAX	2.01 MAX	AS SHOWN
M364e	.410 MAX	2.01 MAX	AS SHOWN
M364f	.400 MAX	2.01 MAX	AS SHOWN
M364g	.410 MAX	2.01 MAX	AS SHOWN

SECTION 13. OUTLINE DRAWING

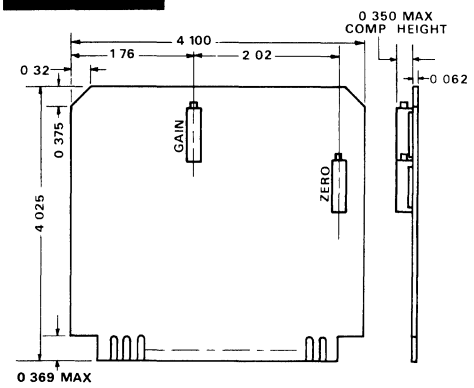
IN DRAWING NUMBER SEQUENCE

M365

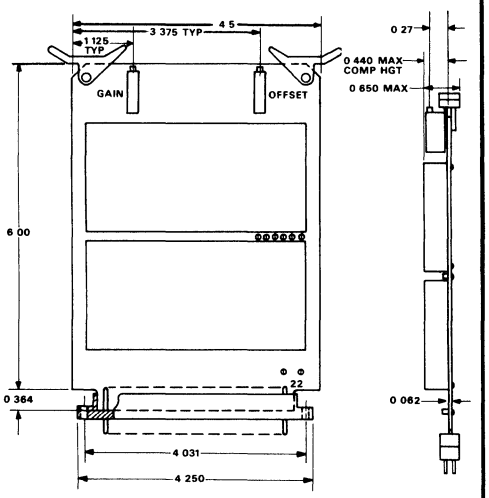


GRID 0 1"

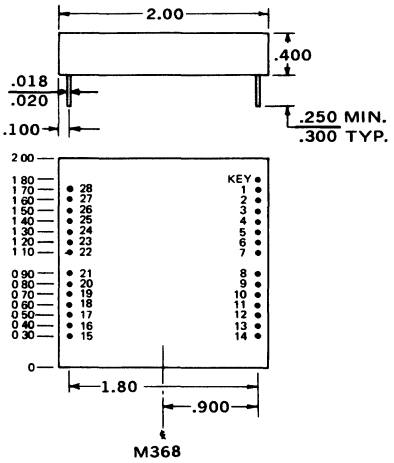
M366



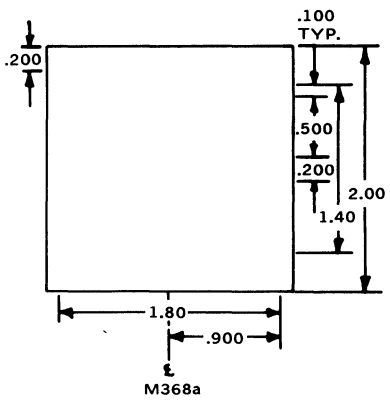
M367



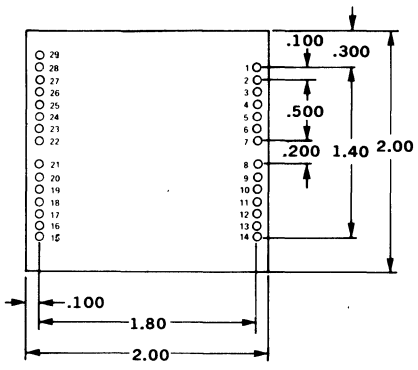
M368



M368

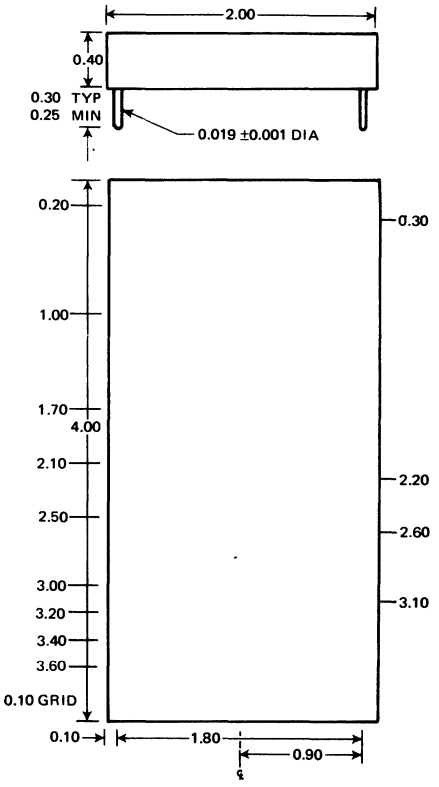


M368a



M368b

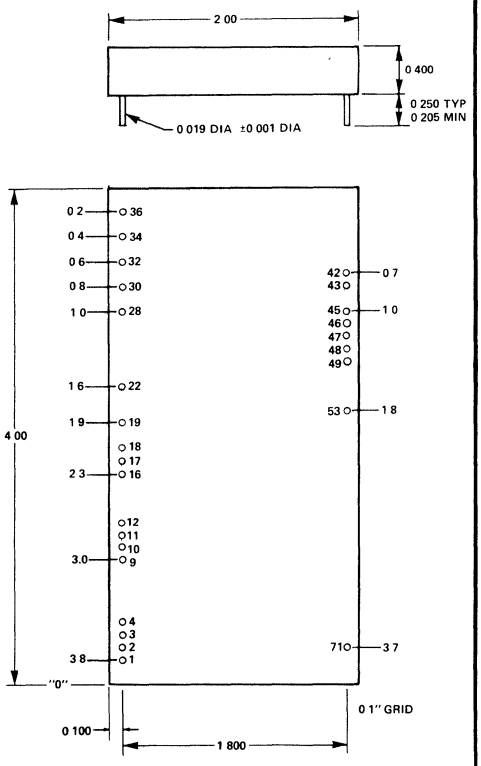
M369



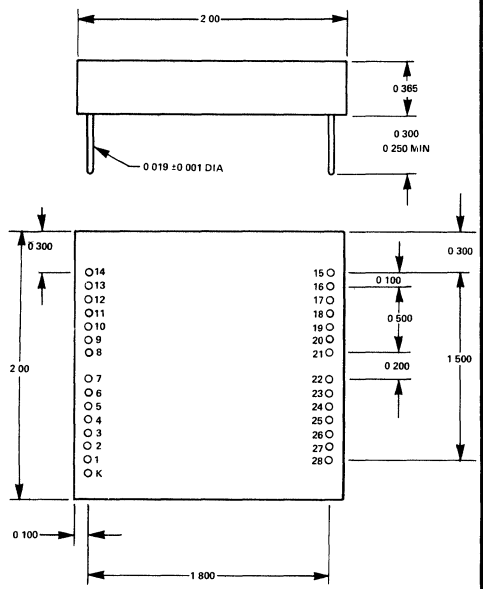
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

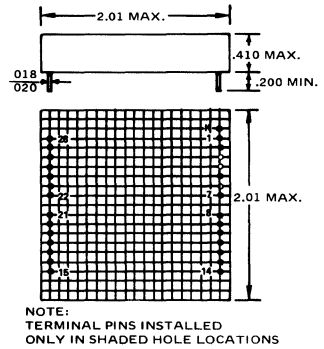
M370



M371

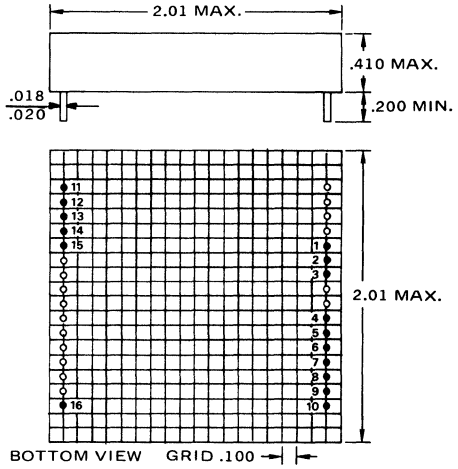


M372



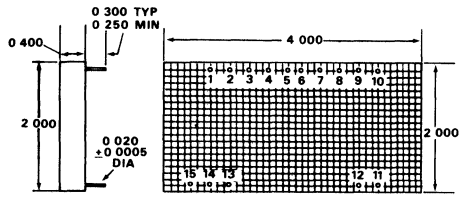
NOTE:
TERMINAL PINS INSTALLED
ONLY IN SHADED HOLE LOCATIONS

M373

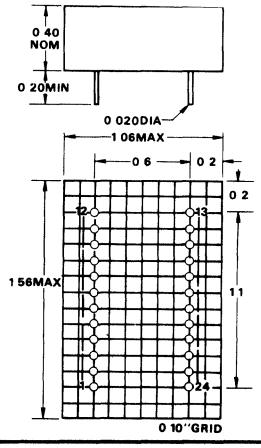


OMIT PINS 9 AND 10 FOR M373a.

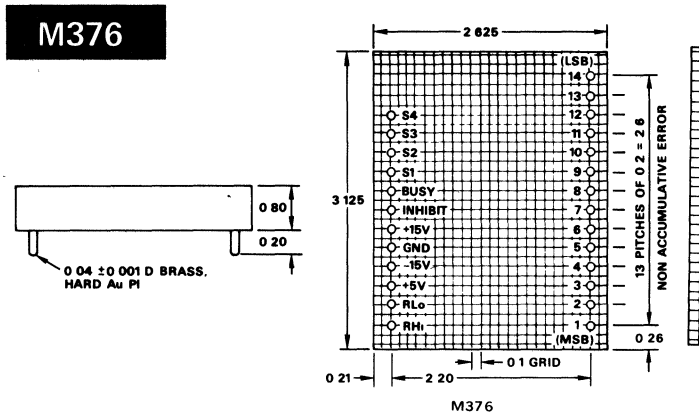
M374



M375



M376



M376

M376a

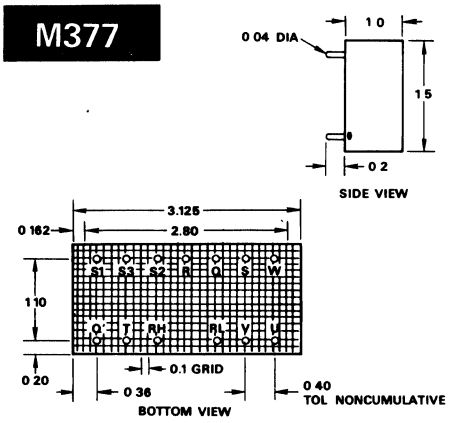
M376b

M376c

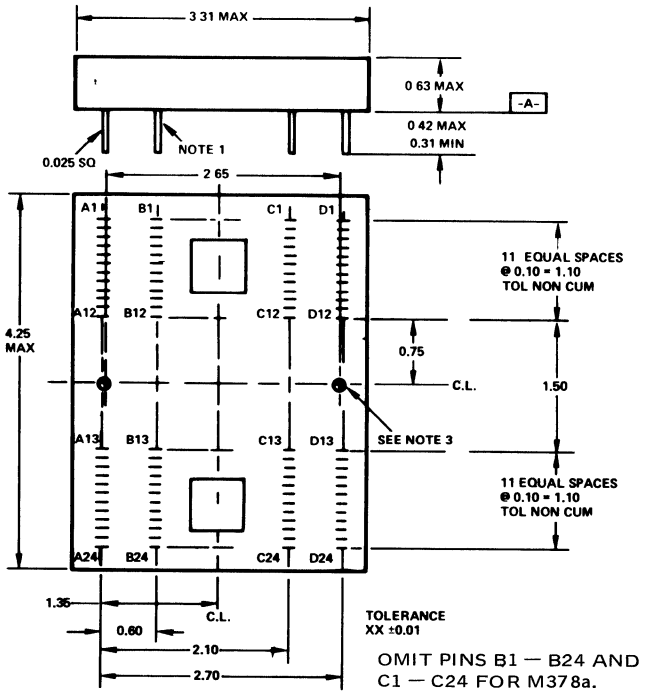
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

M377



M378

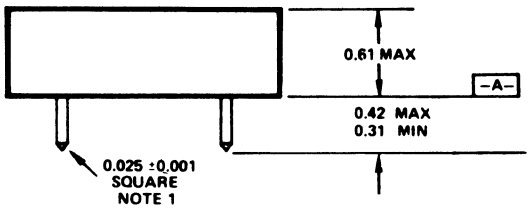


OMIT PINS B1 — B24 AND C1 — C24 FOR M378a.

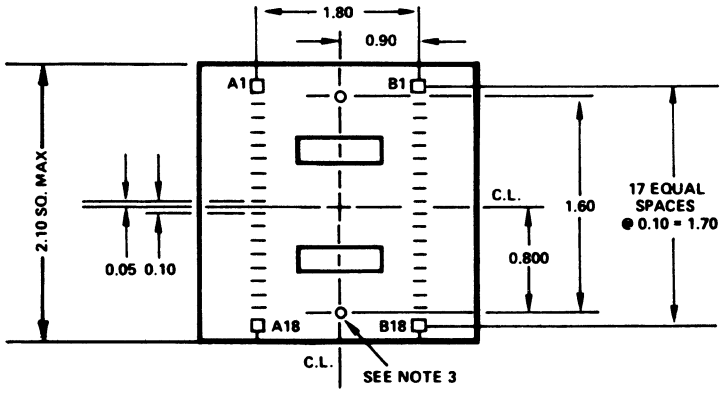
NOTES:

1. Terminal: 3/4 Hard Phosphor Bronze, 30μ in. Gold over Nickel Plating.
2. Tolerance: XX ±0.01
3. Mounting Holes: Threaded to Accept A #6-32 Thread Depth 0.375 max from Surface -A-.

M379



OMIT PINS A1, A2, A3, A16, A17, A18, B1, B2, B3, B16, B17 AND B18 FOR M379a.



NOTES:

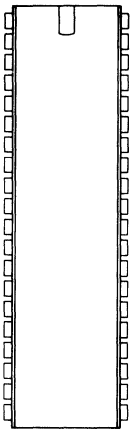
1. Terminal: 3/4 Hard Phosphor Bronze, 30μ in. Gold over Nickel Plating.
2. Tolerance: XX ±0.01
3. Mounting Holes: Threaded to Accept A #6-32 Thread Depth 0.375 max from Surface -A-.

SECTION 13. OUTLINE DRAWING

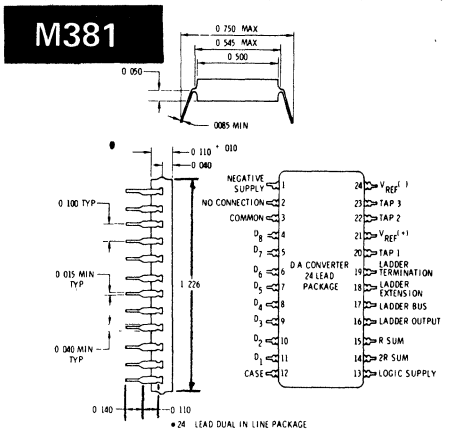
IN DRAWING NUMBER SEQUENCE

M380

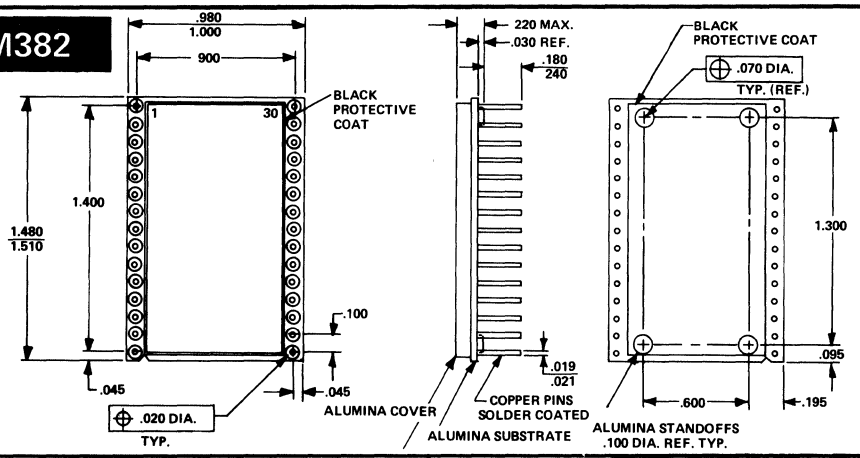
V_{SS}	V_{SS} Power Supply	1	40	Transmitter Register Clock	TRC
V_{GG}	V_{GG} Power Supply	2	39	Parity Select	PS
V_{DD}	V_{DD} Power Supply	3	38	Word Length Select	WLS_1
RRD	Receiver Register Disable	4	37	Word Length Select	WLS_2
RR_8	Receiver Holding Register Data	5	36	Stop Bit(s) Select	SBS
RR_7	Receiver Holding Register Data	6	35	Parity Inhibit	PI
RR_6	Receiver Holding Register Data	7	34	Control Register Load	CRL
RR_5	Receiver Holding Register Data	8	33	Transmitter Register Input	TR_8
RR_4	Receiver Holding Register Data	9	32	Transmitter Register Input	TR_7
RR_3	Receiver Holding Register Data	10	31	Transmitter Register Input	TR_6
RR_2	Receiver Holding Register Data	11	30	Transmitter Register Input	TR_5
RR_1	Receiver Holding Register Data	12	29	Transmitter Register Input	TR_4
PE	Parity Error	13	28	Transmitter Register Input	TR_3
FE	Framing Error	14	27	Transmitter Register Input	TR_2
OE	Overrun Error	15	26	Transmitter Register Input	TR_1
SFD	Status Flags Disable	16	25	Transmitter Register Output	TRO
RRC	Receiver Register Clock	17	24	Transmitter Register Empty	TRE
DRR	Data Received Reset	18	23	Transmitter Buffer Reg. Load	TBRL
DR	Data Ready	19	22	Transmitter Buffer Reg Empty	TBRE
RI	Receiver Input	20	21	Master Reset	MR



M381



M382



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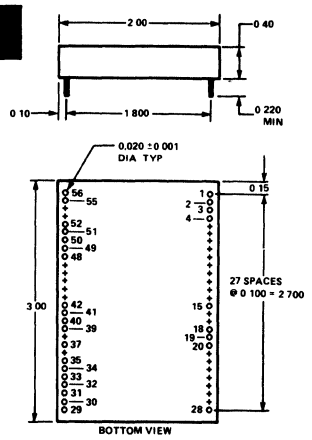

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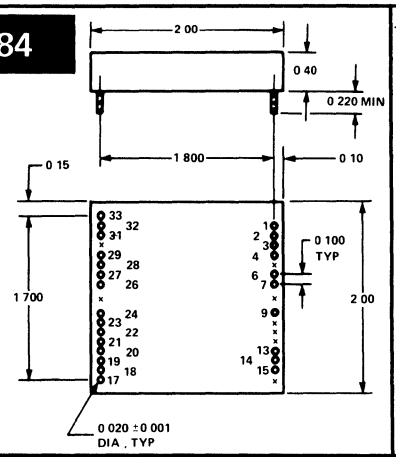

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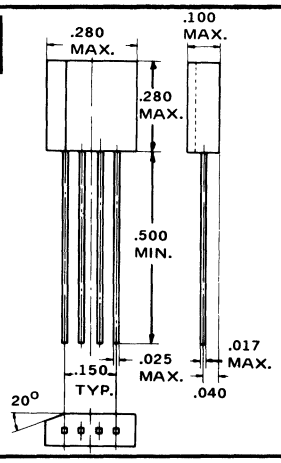

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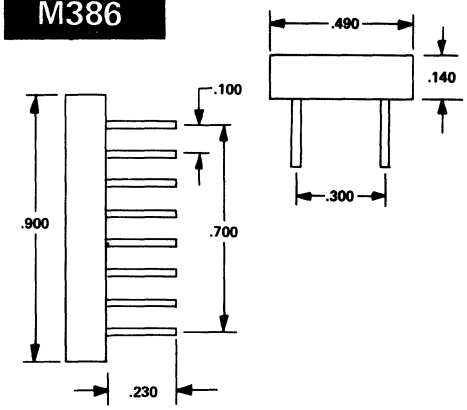

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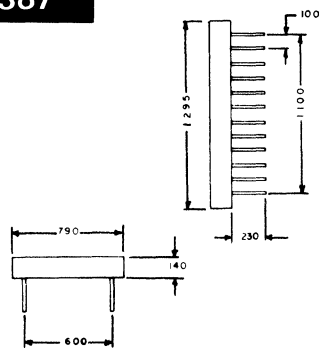

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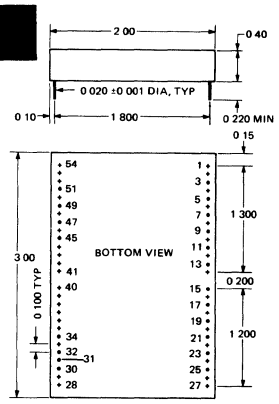

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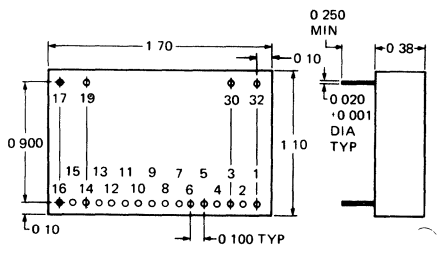
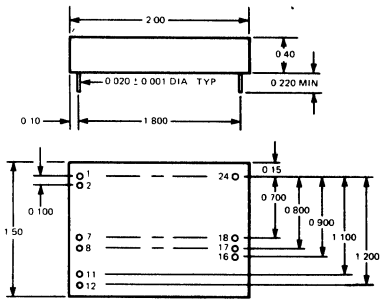


M390



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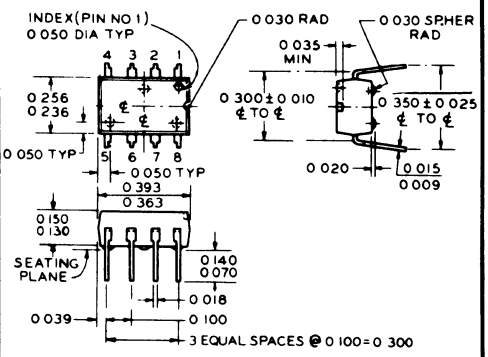
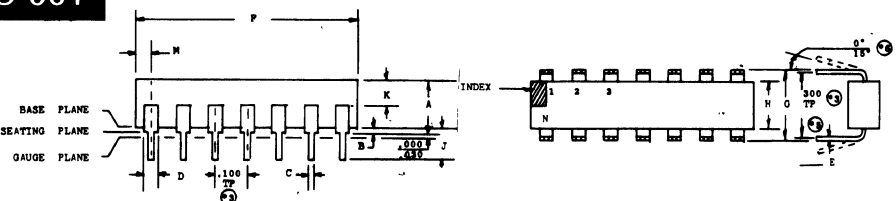
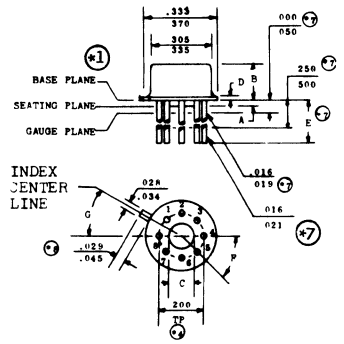


MO-001



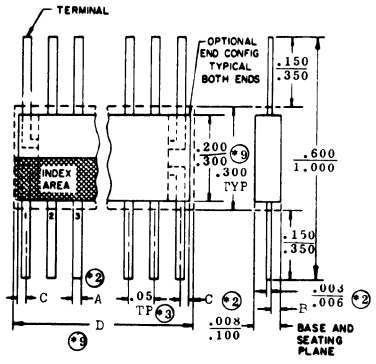
	A	B	C	D	E	F	G	H	J	K	M	NO. OF LEADS
MO001AA	.200 MAX	.020 MIN	.015 .023	.030 .070	.008 .015	.660 .785	.325 MAX	.220 .280	.100 MIN			14
MO001AB	.155 .200	.020 .050	.014 .020	.050 .065	.008 .012	.745 .770	.300 .325	.240 .260	.125 .150	.040 .075	.065 .090	14
MO001AC	.155 .200	.020 .050	.014 .020	.035 .065	.008 .012	.745 .785	.300 .325	.240 .260	.125 .150	.040 .075	.015 .060	16
MO001AD	.120 .160	.020 .065	.014 .020	.050 .065	.008 .012	.745 .770	.300 .325	.240 .260	.125 .150	.050 .085	.065 .090	14
MO001AE	.120 .160	.020 .065	.014 .020	.035 .065	.008 .012	.745 .785	.300 .325	.240 .260	.125 .150	.050 .085	.015 .060	16

MO-002



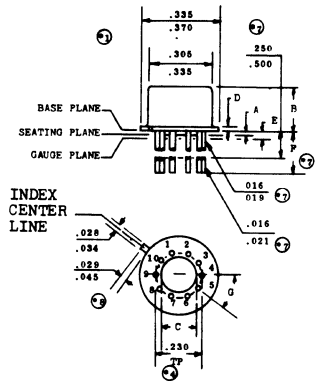
	A	B	C	D	E	F	NO.OF LEADS	NO.OF LEADS MISSING	G
MO002AA	.010 .040	.240 .260	.140 .160	.040 MAX	.500 MIN	45° TP	8	1	22.5° TP
MO002AB	.010 .040	.240 .260	.140 .160	.040 MAX	.500 MIN	45° TP	8	3	0° TP
MO002AC	0 0	.240 .260	0 0	.040 MAX	.500 MIN	30° TP	12	1	15° TP
MO002AD	0 0	.240 .260	0 0	.040 MAX	.500 MIN	36° TP	10	1	18° TP
MO002AE	0 0	.240 .260	0 0	.040 MAX	.500 MIN	60° TP	6	1	0° TP
MO002AF	0 0	.240 .260	0 0	.040 MAX	.500 MIN	45° TP	8	3	0° TP
MO002AG	0 0	.165 .185	0 0	.040 MAX	.500 MIN	45° TP	8	3	0° TP
MO002AH	0 0	.140 .160	0 0	.040 MAX	.500 MIN	45° TP	8	3	0° TP
MO002AJ	0 0	.085 .105	0 0	.040 MAX	.500 MIN	45° TP	8	3	0° TP
MO002AK	.010 .040	.165 .185	.140 .160	.040 MAX	.500 MIN	45° TP	8	3	0° TP
MO002AL	.010 .050	.165 .185	.125 .160	.020 .040	.500 .562	45° TP	8	3	0° TP

MO-004



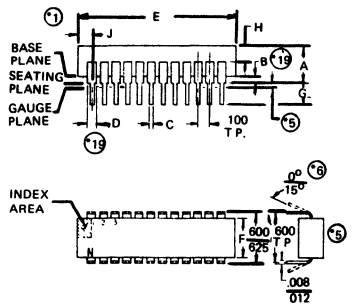
	A	No.OF LEADS	B	C	D
MO004AA	.015 .019	14	.005 .050	.000 .025	.350 TYP
MO004AB	.013 .017	14	.005 .050	.000 .025	.350 TYP
MO004AC	.015 .019	14	.000 .097	.000 .025	.350 TYP
MO004AD	.015 .019	10	.005 .050	.000 .050	.300 TYP
MO004AE	.015 .019	10	.005 .050	.000 .025	.250 TYP
MO004AF	.015 .019	14	.005 .050	.000 .050	.400 TYP
MO004AG	.015 .019	16	.005 .050	.000 .025	.400 TYP
MO004AH	.015 .019	16	.005 .050	.000 .050	.450 TYP

MO-006



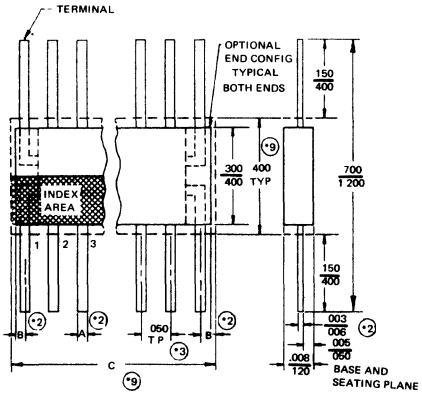
	A	B	C	D	E	F	G	No.OF LEADS
MO006AA	.010 .040	.240 .260	.140 .160	.040 MAX	.050 MAX	.500 MIN	36° TP	10
MO006AB	0 0	.240 .260	0 0	.040 MAX	.050 MAX	.500 MIN	36° TP	10
MO006AC	0 0	.140 .160	0 0	.040 MAX	.050 MAX	.500 MIN	36° TP	10
MO006AD	.010 .140	.165 .185	.140 .160	.040 MAX	.050 MAX	.500 MIN	36° TP	10
MO006AE	.010 .040	.165 .185	.140 .160	.040 MAX	.050 MAX	.500 MIN	30° TP	12
MO006AF	0 0	.165 .185	0 0	.020 .040	.000 .050	.500 .562	36° TP	10
MO006AG	0 0	.165 .185	0 0	.020 .040	.000 .050	.500 .562	30° TP	12

MO-015



	A	B	C	D	E	F	G	H	J	NO.OF LEADS	NO.OF PINS MISSING
MO015AA	.120 .250	.020 .070	.016 .020	.028 .070	1.20 1.29	.515 .580	.100 .200	.040 .075	.040 .100	24	0
MO015AB	.120 .250	.020 .070	.016 .020	.028 .070	.700 .840	.515 .580	.100 .200	.040 .075	.040 .100	16	0
MO015AC	.120 .250	.020 .070	.016 .020	.028 .070	1.80 1.89	.515 .580	.100 .200	.065 .105	.040 .100	36	0
MO015AD	.100 .200	.000 .070	.015 .020	.015 .055	1.17 1.21	.515 .580	.100 .200	.020 .080	.025 .050	24	0
MO015AE	.100 .200	.000 .070	.015 .020	.015 .055	.770 .810	.515 .580	.100 .200	.020 .080	.025 .050	16	0
MO015AF	.100 .200	.000 .070	.015 .020	.015 .055	1.77 1.18	.515 .580	.100 .200	.020 .080	.025 .050	36	0
MO015AG	.090 .150	.020 .050	.014 .020	.050 .054	1.220 1.290	.520 .550	.125 .150	.020 .060	.050 .100	24	4
MO015AH	.100 .200	.000 .070	.015 .020	.015 .055	1.380 1.420	.485 .515	.100 .200	.020 .070	.040 .070	28	0
MO015AJ	.100 .200	.000 .070	.015 .020	.015 .055	1.980 2.020	.485 .515	.100 .200	.020 .070	.040 .070	40	0
MO015AK	.145 .175	.030 .050	.015 .020	.040 .050	1.240 1.260	.540 .560	.100 .140	.045 .075	.065 .085	24	0

MO-019



	A	B	C	No.OF LEADS
MO019AA	.015 .019	.000 .050	.650 TYP	24
MO019AB	.018 .022	.000 .075	.800 TYP	28

[redacted]

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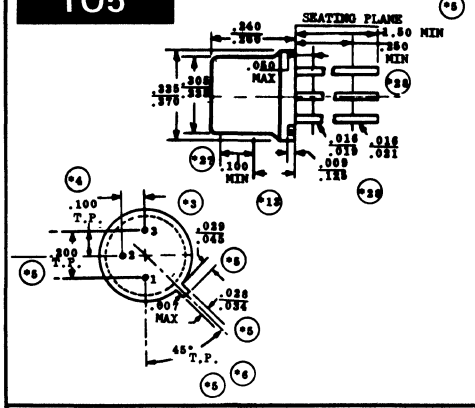
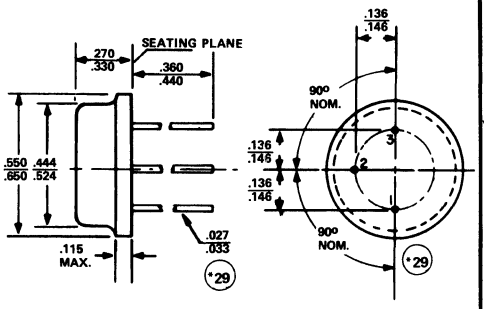
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

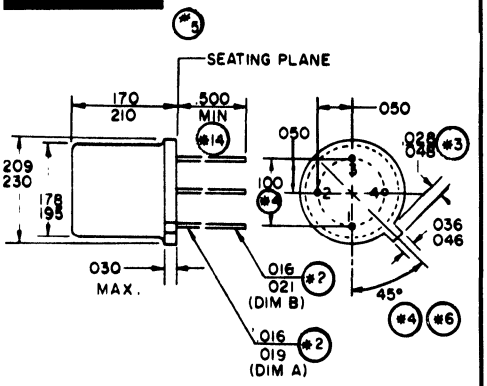
TO5



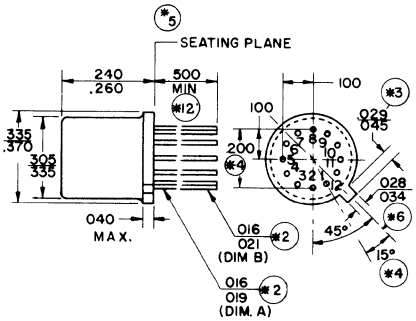
TO-8



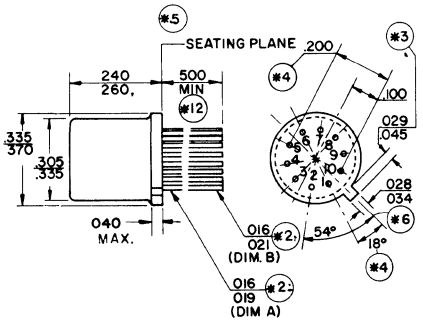
TO72



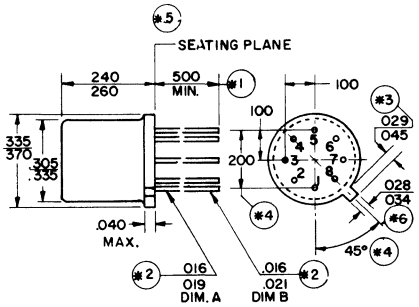
TO-73



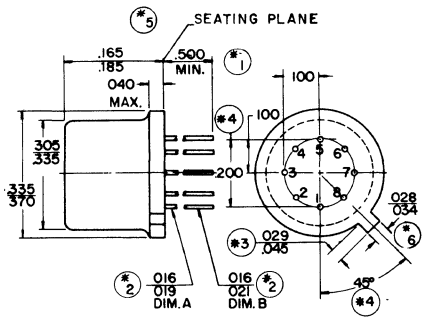
TO-74



TO-77



TO-78



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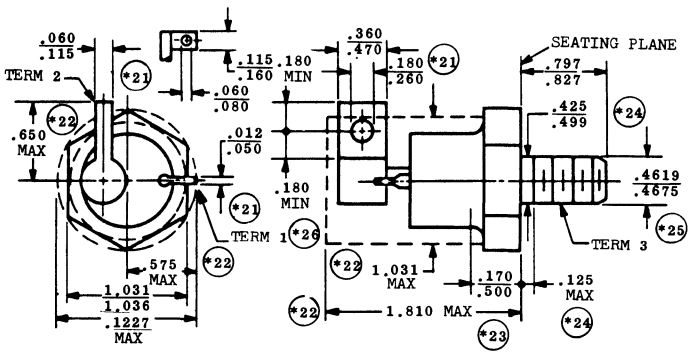
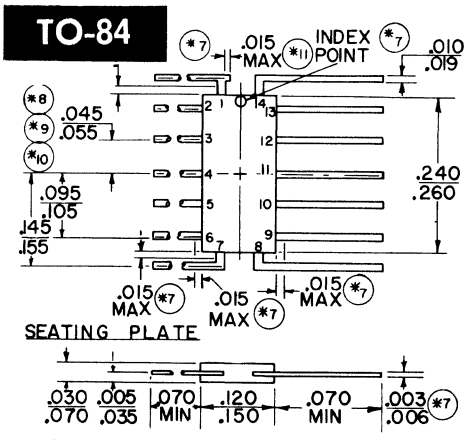
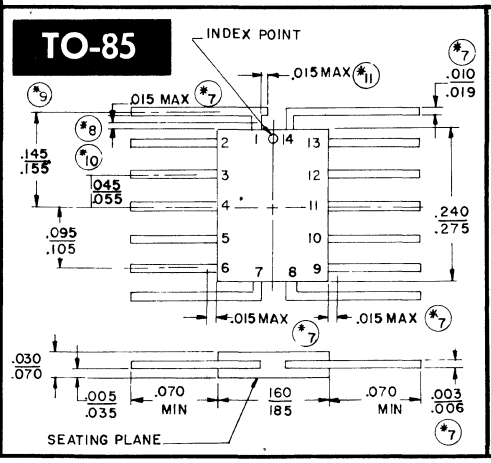


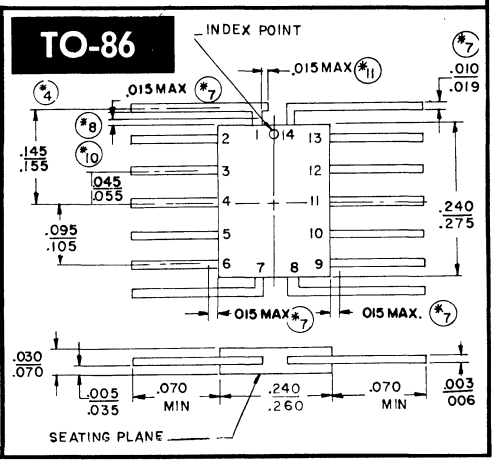
TO-84



TO-85



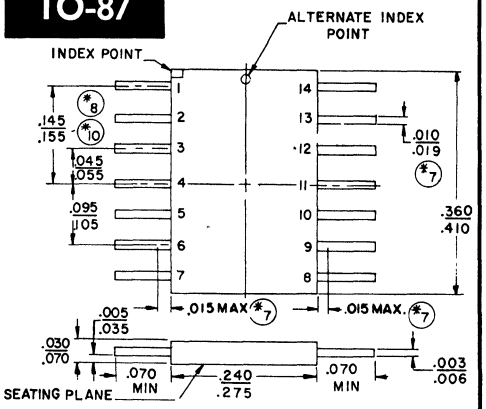
TO-86



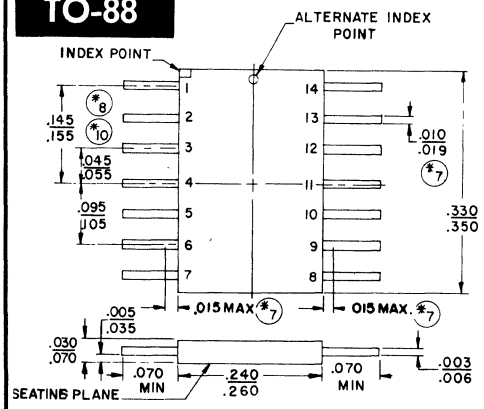
SECTION 13. OUTLINE DRAWING

IN DRAWING NUMBER SEQUENCE

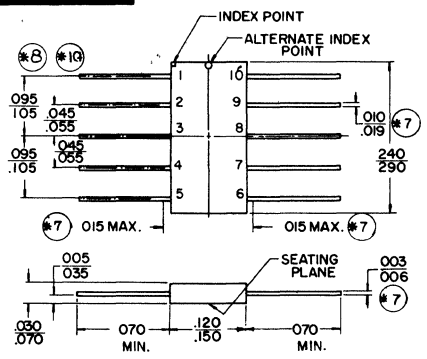
TO-87



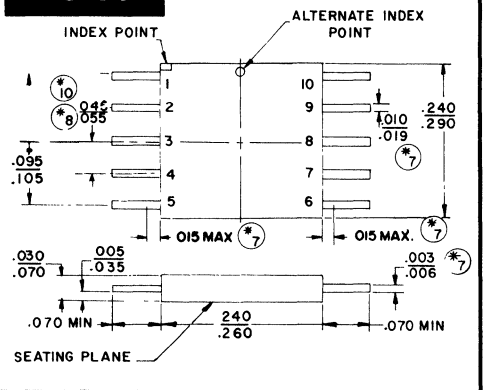
TO-88



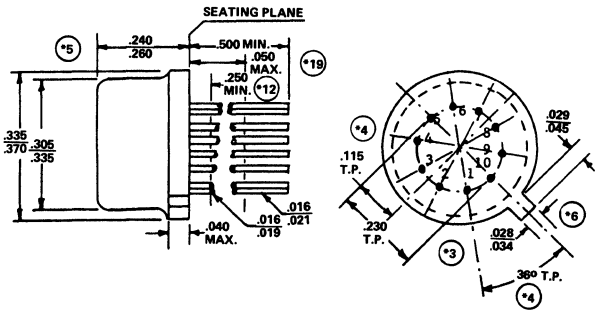
TO-89



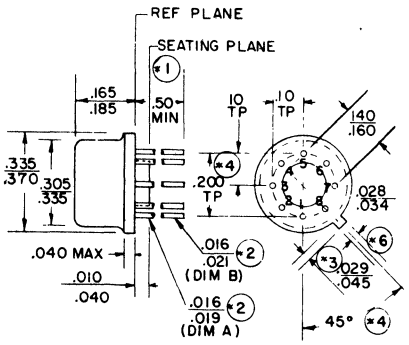
TO-91



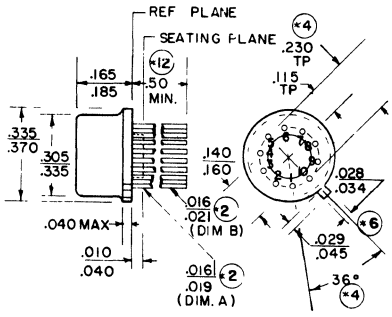
TO96



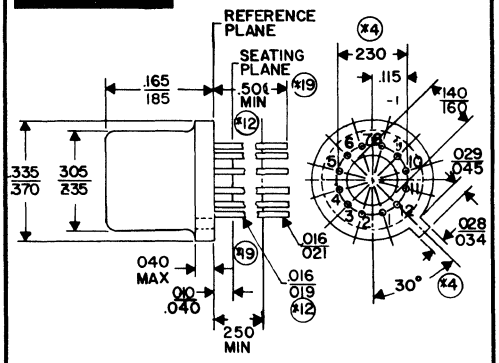
TO-99



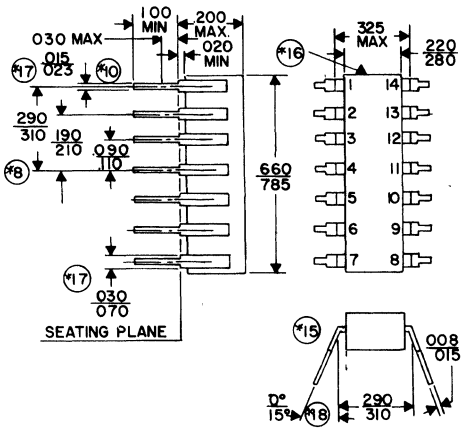
TO-100



TO-101



TO-116



JEDEC "MO" DRAWING NOTES

1. Refer to rules for dimensioning axial lead product outlines.
2. Refer to rules for dimensioning peripherial lead outlines.
3. Leads within .005 radius of true position (TP) at gauge plane with maximum material condition and unit installed.
4. Leads within .003 or .007 radius of true position (TP) at gauge plane with maximum material condition.
5. Apply in zone measured .000 to .030 when unit installed. Leads within .005 radius of (TP) at gauge plane with maximum material condition.
6. Applies to spread leads prior to installation.
7. Dimension .016 to .019 applies between dimensions .000 to .050 and .250 to .500. Dimension .016 to .021 applies between dimensions .250 to .500 and .500 from seating plane. Diameter is uncontrolled in dimension .000 to .050 and beyond dimension .500.
8. Measured from maximum diameter of device.
9. These dimensions determine a zone within which all body and lead irregularities lie.
10. Body stand off four places, spherical radius on seating surface. Terminal lead stand offs omitted.
11. The body stand off group is centered on the module and the stand offs shall be within a .010 radius of their TP measured at gauge plane.
12. Mechanical index.
13. Radius three sides.
14. Draft four sides.
15. Either numeric or Alpha-numeric terminal lead designation system may be used for this outline. Alpha-numeric system is preferred.
16. Terminal lead stand off, four places. Centered on pin within .006. Body stand offs omitted.
17. Contour within dotted outline optional.
18. The dimension .016 to .019 applies between the dimensions .025 max and .070 min. Diameter is uncontrolled within the .025 dimension.
19. When base of body is to be attached to heat sink, terminal lead stand offs are not required and Dim. B equals 0. When Dim. B equals 0, the leads emerge from the body with the D dim. and reduce to the C dim. above the seating plane.
20. Contour optional.
21. Pin spacing is .100 TP except for outer most rows where spacing is 1.5x.100 TP. (For example - spacing between pin #64 and #1 is .150 TP, where as spacing between pin #1 and #2 and #3, etc. is .100 TP.)
22. Typical all sides.
23. Terminal lead shall be within .203 mm radius of their TP measured at gauge plane.
24. Visual index position relates to JEDEC outline TO-69. Visual index located within index area is preferred.
25. Distance between lead centerlines.

JEDEC "TO" DRAWING NOTES

1. Maximum number of leads omitted in this outline, Three (3). The number and position of present are indicated in the product registration. Outline designation determined by the location and minimum angular spacing of any two adjacent leads.
2. (All leads) Diameter is uncontrolled to .050 from seating plane and beyond minimum tolerance of lead length (1.5 or .5) from seating plane. Dim. A applies between .050 and .250 from seating plane. Dim. B applies between .250 and minimum tolerance of lead length from seating plane.
3. Measured from maximum diameter of the actual device.
4. Leads having maximum diameter .019 (.483MM) measured in gaging plane .054 (1.37MM) - .001 (.025MM) - .000 (.00MM) below the seating plane of the product shall be within .007 (.178MM) of their true position relative to a maximum width tab.
5. The product may be measured by direct methods or by gage.
6. Tab centerline.
7. Lead dimensions uncontrolled in this zone to allow for body and lead finish irregularities.
8. Leads missing from their designated positions shall also be counted when numbering leads for specific applications.
9. Spacing and angle of the end leads at the point of emergence of body is not controlled.
10. Leads spacing shall be measured within .030 (.762MM) from the point of emergence from the body or, as in the case of end lead, from the point where the extension of the body outline intersects the end leads.
11. Mechanical index, optional.
12. Maximum number of leads omitted in this outline, One (1). The number and position of leads actually present are indicated in the product registration. Outline designation determined by the location and minimum angular spacing of any two adjacent leads.
13. Irregularity in body outline not controlled in this zone.
14. Maximum number of leads omitted in this outline, None (0). The number and position of leads actually present are indicated in the product registration. Outline designation determined by the location and minimum angular or linear spacing of any two adjacent leads.
15. Overall installed width.
16. Index to be visible from top, this end only.
17. Lead transition geometry from .015/.023 to .030/.070 optional on body side of seating plane.
18. Installed position of lead centers.
19. (All leads) .016/.019 applies between .050 max. and .250 min. .016/.021 applies between .250 min. and .500 (12.70MM) from reference plane. Diameter is uncontrolled in .050 max. and beyond .500 (12.70MM) from reference plane.
20. Contour of package beyond this zone optional, but must be confined with .310/.330 and .120/.240.
21. Contour and orientation of fixed terminal lugs are undefined.
22. The body and terminals of the device, with the exception of the extended lug length .650 max and .575 max, lies within the cylinder defined by 1.227 max. and length 1.810 max.
23. A chamfer (or undercut) on one or both ends of the hexagonal portions is optional.
24. Length of incomplete or undercut threads of dim. .425 min and .499 max.
25. Pitch dia. of 1/2-20UNF-2A (coated) threads (ASA B1.1-1960).
26. Minimum flat.
27. This zone is controlled for automatic handling. The variation in actual diameter within the zone shall not exceed .010 in.
28. (Three leads) Dimension .016 min. and .019 max. applies between .050 max. and .250 min. Dimension .016 min. and .021 max. applies between .250 min. and 1.5 in. from seating plane. Diameter is uncontrolled in .050 max. and beyond 1.5 in. from seating plane.
29. Three Leads.

ZB No.	CIRCUIT BOARDS	CANS	FLAT PACKS	MODULES
5	See below			
5a	See below			
26				M-18a M-18b
165			TO-86 TO-88	

5 — Available in TO-89 Outline with a different lead numbering system. The basic package is available with such handling conveniences as formed leads, added insulator, mech-pack carrier, or any combination of these. See ZB6 for ordering details.

TO-89 Lead Designations 1 2 3 4 5 6 7 8 9 10

Lead Number System Used 6 7 8 9 10 5 4 3 2 1

5a — Standard TO-89 Outline with above handling conveniences.

ORDERING INSTRUCTIONS:

	NO MECH-PAK CARRIER Carrier (TO-84 or TO-89)	MECH-PAK CARRIER Carrier (FP-40)
Lead Length	0.185 inch	Not Applicable
Formed Leads	No No Yes Yes	No No Yes Yes
Insulators	No Yes No Yes	No Yes No Yes
Ordering Suffix	None --6 --7 --1	--2 --3 --4 --5

SECTION 14.

DIGITAL IC

Manufacturers' Local Offices

These manufacturers have listed their local office in this section for your convenience. Please contact the local office nearest you for any additional information you may need.

(MANUFACTURERS IN ORDER OF D.A.T.A. CODE LETTERS)

ALGG – AEG-TELEFUNKEN

	Zip Code	Telephone No.	Telex
Postfach 1042, D 7100 Heilbronn, Germany		07131-8821	728746

DIC – DICKSON ELECTRONICS CORPORATION

	Zip Code	Telephone No.	Telex
A MEMBER OF THE SIEMENS GROUP			
8700 East Thomas Road, (P.O. Box 1390) Scottsdale, Arizona	85252	602-947-2231	667-406 TWX 910-950-1292

DTC – DATA TECHNOLOGY CORPORATION

			Zip Code	Telephone No.	TWX
2700 Fairview Road, Santa Ana, California			92704	714-546-7160	910-595-1570
ARIZONA	Phoenix	Zeus, Inc. 546 East Portland	85004	602-253-6104	910-951-1362
CALIFORNIA	Los Angeles	Basic Systems 5021A San Vicente Blvd.	90019	213-938-2833 714-993-4620	Telex 673-252
	Mountain View	Product Data of Northern Calif. 2570 West El Camino Real	94040	415-941-4410	TWX 910-370-7457

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-595-1570

935-0710

2807

2634

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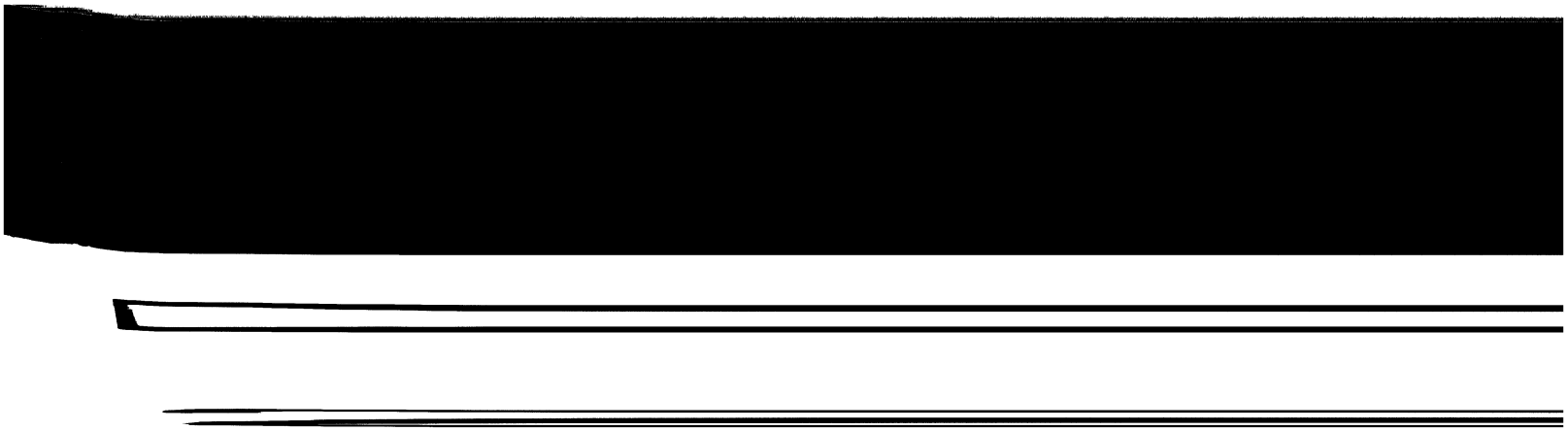


DTC – DATA TECHNOLOGY CORPORATION (Cont'd)

			Zip Code	Telephone No.	TWX
2700 Fairview Road, Santa Ana, California			92704	714-546-7160	910-595-1570
COLORADO	Denver	Zeus, Inc. Post Office Box 22457 4785 South Quebec	80222	303-770-4400	910-935-0710
	Littleton	Aztec Enterprises, Inc. 1449 West Littleton Blvd. Suite 106	80120	303-795-0250 303-795-0251	
FLORIDA	Orlando	E. G. Holmes & Associates 316½ South Bumby Street	32809	305-894-8901	
GEORGIA	Chamblee	E. G. Holmes & Associates 4185 Clairmont Road	30341	404-451-6161	
ILLINOIS	Chicago	SEA, Inc. 4212 Irving Park Road	60641	312-282-6694	910-221-2807
INDIANA	Carmel	SEA, Inc. 620 South Range Line Road Suite D	46032	317-846-2593	810-260-2634
KANSAS	Prairie Village	Engineering Services 7830 State Line Road	66208	913-649-4000	
MASSACHUSETTS	Holliston	Data Technology Corporation 1750 Washington Street	01746	617-429-1220 617-429-1221	710-346-6709
	Waltham	MC BAR Associates 195 West Street	02154	617-890-0233	
MICHIGAN	Farmington Hills	Sterling-Lowell Company Glen Oaks Office Center 29630 Orchard Lake Road Suite H-4	48024	313-851-7474	
MINNESOTA	Minneapolis	SEA, Inc. 7601 North Kentucky Avenue	55428	612-425-4455	
MISSOURI	St. Louis	Engineering Services 8420 Delmar Boulevard	63134	314-726-2233	
NEW JERSEY	Haddonfield	Dyna Rep Company 3 South Haddon Avenue	08033	609-795-1700	

Continued on next page

DTC – DATA TECHNOLOGY CORPORATION (Cont'd)

			Zip Code	Telephone No.	TWX
2700 Fairview Road, Santa Ana, California			92704	714-546-7160	910-595-1570
NEW MEXICO	Albuquerque	Aztec Enterprises, Inc. 829 Pennsylvania, N.E.	87110	505-255-2440	
		Zeus, Inc. 310 Val Verde S.E.	87108	505-268-3941	910-989-1664
NEW YORK	New Hartford	KLM Associates 1 Nouvelle Park	13413	315-735-8525	510-242-1286
	North Syracuse	KLM Associates 401 South Main Street	13212	315-458-6214 315-458-2199	
	Rochester	KLM Associates 39 Saginaw Drive	14623	716-442-0820 716-442-0821	510-253-6106
	Tuckahoe	Spectrum Sales 65 Circuit Avenue	10707	914-793-1660	
OHIO	Cleveland	Data Equipment Sales Company 16538 St. Anthony	44111	216-252-3151	
TEXAS	Richardson	Lear Associates, Inc. Post Office Box 1266 1111 Floyd Place	75080	214-231-5388	910-867-4718
UTAH	Salt Lake City	Zeus, Inc. 2880 South Main Street Suite 105	84115	801-466-4924	910-925-5688
VIRGINIA	Alexandria	Dyna Rep Company 6399 Little River Turnpike	22312	703-354-1222	710-833-0693
	Virginia Beach	E. G. Holmes & Associates 928 Gen. Beauregard Drive	23454	804-481-6556	
WASHINGTON	Seattle	Harry Levinson Company 1211 East Denny Way	98122	206-323-5100	910-444-2154
WISCONSIN	Waukesha	SEA, Inc. 142 South Street	53186	414-547-6637	
CANADA	Ontario	Electrometic System Ltd. 62 Alness Street Downsview	M3J 2H1	416-636-3673	02-21374

FERB – FERRANTI LIMITED

			Zip Code	Telephone No.	Telex
Gem Mill, Chadderton, Oldham, Lancashire, England			OLN 8NP	061-624-6661	668038
Dunsinane Avenue, Dundee, Scotland			DD2 3PN	0382-89311 0382-89321	76166
AUSTRALIA	Victoria	Namco Electronics 239 Bay Street North Brighton	3186	96-2891	AA 31261
DENMARK	Copenhagen F	Fredslund Pedersen Finsenvej 39		01-36 9050	15052
FRANCE	Paris 15e	Ceram 31, Rue du Docteur Finlay		577 42 50	25305 Attn. CERAM
GERMANY	8 Munich 22	Ferranti GmbH Widenmayerstrasse 5		0811 297353	
ITALY	Milano	Messrs. Mottola Piazzeta Umberto Giordano 2	20122	780 231	31317
SWEDEN	Stockholm 10	Bergman & Beving AB Karlavagen 76		08/246040	19929
	Vallingby	Sonab Marketing A.B. (Agency Dept.) Sorterargaten 8	162 26	08/38 01 30	17879
U.S.A.	California	Roland Olander 540 Hollywood Way Burbank	91505	213-843-5200	910-498-2720
	New York	Ferranti Electric, Inc. East Bethpage Road Plainview, Long Island	11803	516-293-8383	510-224-6483

FSC — FAIRCHILD SEMICONDUCTOR

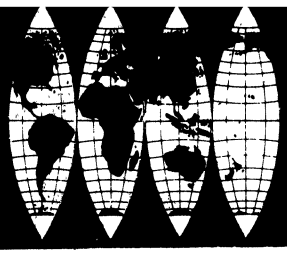
	Zip Code	Telephone No.	TWX
DIV. of FAIRCHILD CAMERA & INSTRUMENT CORP. 464 Ellis Street, Mountain View, California	94042	415-962-5011	910-379-6435 Cable FAIRSEMCO

INL — INTERSIL, INC.

	Zip Code	Telephone No.	TWX
10900 No. Tantau Avenue, Cupertino, California	95014	408-257-5450	910-338-0228

INS — INSELEK

	Zip Code	Telephone No.
743 Alexander Road, Princeton, New Jersey	08540	609-452-2222



Manufacturers' Local Offices

ITL – INTEL CORPORATION

			Zip Code	Telephone No.	TWX
3065 Bowers Avenue, Santa Clara, California			95051	408-246-7501	910-338-0026 Telex 346-732
CALIFORNIA	Santa Ana	Intel Corporation Southwest Regional Office 1651 East 4th Street - Suite 228	92701	714-838-1126	TWX 910-595-1114
MASSACHUSETTS	Lexington	Intel Corporation Northeast Regional Office 594 Marrett Road - Suite 27	02173	617-861-1136	Telex 92-3493
OHIO	Englewood	Intel Corporation 856 Union Road	45322	513-836-2808	
PENNSYLVANIA	Paoli	Intel Corporation Mid-Atlantic Regional Office 30 South Valley Road - Suite 108	19301	215-647-2615	TWX 510-668-7768
TEXAS	Dallas	Intel Corporation 6350 LBJ Freeway - Suite 178	75240	214-661-8829	
INTERNATIONAL					
BELGIUM	Bruxelles	Intel Corporation Avenue Louise 216	B-1050	38-22-78	Telex 846-21060
JAPAN	Tokyo	Intel Corporation Kasahara Bldg. 1-6-10, Uchikanda Chiyoda-ku	101	03-354-8251	781 28426

MATJ – MATSUSHITA ELECTRIC CORPORATION OF AMERICA

			Zip Code	Telephone No.	TWX
INDUSTRIAL COMPONENT DEPARTMENT 54th Floor, Pan-Am Bldg., 200 Park Avenue, New York, N.Y.			10017	212-973-5710	710-581-4158
INTERNATIONAL					
GERMANY	2 Hamburg 36	Matsushita Electric Sales (Europe) GmbH Jungfernstieg 40		34153/4/5	HAMATELEC HAMBURG
JAPAN	Kyoto	Matsushita Electronics Corporation Semiconductor Division 1 Yatemachi Kotari Nagaokakyo City		075-921-8151	

PHIN – PHILIPS GLOEILAMPENFABRIEKEN

PRODUCT DIVISION ELCOMA, BUILDING BF Eindhoven, Netherlands			Zip Code	Telephone No. 040 79 11 11	Cable PHILIPS EINDHOVEN
ARGENTINA	Buenos Aires	Fapesa I.y.C Ave. Crovara 2550		652-7438/7478	
AUSTRALIA	Lane Cove	Philips Industries, Ltd. Elcoma Division 67-71 Mars Road	2066 N.S.W.	42 1261	
AUSTRIA	Wien	Oesterreichische Philips Bauelemente Industrie G.m.b.H. Zieglergasse 6	A-1072	93 26 22	
BELGIUM	Brussels	M.B.L.E. 80 Rue des Deux Gares	B-1070	23 00 00	
BRAZIL	Sao Paulo, SP	Ibrape S.A. Ave. Paulista 2073-S/Loja		278-1111	
CANADA	Ontario	Philips Electron Devices Ltd. 116 Vanderhoof Avenue Toronto 17	M4G 2J1	425-5161	
DENMARK	Kobenhavn NV	Miniwatt A/S Emdrupvej 115A	DK-2400	(01)69 16 22	
FINLAND	Helsinki 10	Oy Philips Ab Elcoma Division Kaivokatu 8	SF-00100	1 72 71	
FRANCE	Paris 11	R.T.C. (RTCF)* La Radiotechnique Compelec 130 Avenue Ledru Rollin	F-75540	357 69 30	
GERMANY	Hamburg 1	Valvo GmbH (VALG)* Valvo Haus Burchardstrasse 19	D-2000	(040)3296-1	
HONG KONG	Kwuntong	Philips Hong Kong Ltd. Components Dept. 11th Fl. Din Wai Ind. Bldg. 49 Hoi Yuen Rd.		K-42 82 05-8	
ITALY	Milano	Philips S.p.A. Sezione Elcoma Piazza IV Novembre 3	I-20124	6994	

* Manufacturer Code inside ( ) can be found in Section 14, Manufacturers Code Names & Addresses

Continued on next page

PHIN – PHILIPS GLOEILAMPENFABRIEKEN (Cont'd)

			Zip Code	Telephone No.	Cable
PRODUCT DIVISION ELCOMA, BUILDING BF Eindhoven, Netherlands				040 79 11 11	PHILIPS EINDHOVEN
JAPAN	Tokyo	Nihon Philips 32nd Fl., World Trade Center Bldg. 5,3-chome, Shiba Hamamatsu-cho Minato-ku		(435)5204-5	
MEXICO	Mexico 6, D.F.	Electronica S.A. de C.V. Varsovia No. 36		5-33-11-80	
NETHERLANDS	Eindhoven	Philips Nederland B.V. Afd. Elonco Boschdijk 525	NL-4510	(040)79 33 33	
NORWAY	Oslo 3	Electronica A/S Middelthunsgate 27		46 39 70	
SOUTH AFRICA	Johannesburg	EDAC (Pty.) Ltd. South Park Lane New Doornfontein		24/6701-2	
SPAIN	Barcelona 7	Copresa S.A. Balmes 22		232 66 80	
SWEDEN	Stockholm 27	Elcoma A.B. Lidingövägen 50	S-10250	08/67 97 80	
SWITZERLAND	Zuerich	Philips A. G. Elcoma Abteilung Edenstrasse 20	CH-8027	01/44 22 11	
TAIWAN	Taipei	Philips Taiwan Ltd. Elcoma Division San Min Bldg., 3rd Fl. 57-1 Chung Shan N. Road		55 31 01-5	
UNITED KINGDOM	London	Mullard Ltd. (MULB)* Mullard House Torrington Place	WC1E 7HD	01-580-6633	
UNITED STATES	Rhode Island	Amperex Electronic Corp. (APX) Sem. & Microcircuits Div. Providence Pike, Slatersville	02876	401-762-9000	

PLSB – PLESSEY SEMICONDUCTORS

			Zip Code	Telephone No.	Telex
Cheney Manor, Swindon, Wiltshire, England			SN2 2QW	0793-6251	449637
U. S. A.	California	Plessey Semiconductors 1674 McGaw Avenue Santa Ana	92705	714-540-9945	910-595-1930

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RTCF – R.T.C. LA RADIOTECHNIQUE–COMPELEC

	Telephone No.	Telex
130, Avenue Ledru- Rollin, 75.540, Paris Cedex 11, France	357.69.30	PHILAMP PARIS 28 746

RTN – RAYTHEON SEMICONDUCTOR

	Zip Code	Telephone No.	TWX
350 Ellis Street, Mountain View, California	94042	415-964-4754	910-379-6481

SGAI – SGS-ATES COMPONENTI ELETTRONICI S.P.A.

			Zip Code	Telephone No.	Telex
Via C. Olivetti 1, Agrate Brianza, Italy			20041	39-650141	36131
ENGLAND	Aylesbury Bucks	SGS-ATES (United Kingdom) Ltd. Walton Street		5977	83245
FRANCE	Paris 13e	SGS-ATES France SA 58, Rue du Dessous des Berges		589-52-23	021/25938
GERMANY	Wasserburg Inn	SGS-ATES Deutschland GmbH Postfach 1269	809	08071/721	525143
ITALY	Milano	SGS-ATES Componenti Elettronici S.p.A. Via Tempesta 2		4695651	31481
SINGAPORE	Singapore 12	SGS-ATES Singapore (PTE) Ltd. Lorong 4 and 6 Toa Payoh		531411	21412
SWEDEN	Marsta	SGS-ATES Scandinavia AB Postbox	19501	0760/40120	10932
U. S. A	Massachusetts	SGS-ATES Semiconductor Corporation 435 Newtonville Avenue Newtonville	02160	617-969-1610	0922482

SIC — SIGNETICS CORPORATION

	Zip Code	Telephone No.	TWX
811 East Arques Avenue, Sunnyvale, California	94086	408-739-7700	910-339-9220 910-339-9283

SOD — SOLITRON DEVICES, INC.

			Zip Code	Telephone No.	TWX
CORPORATE OFFICES					
256 Oak Tree Road, Tappan, New York			10983	914-359-5050	710-576-2654
CALIFORNIA	San Diego	Solitron Devices, Inc. 8808 Balboa Avenue	92123	714-278-8780	910-335-1221
FLORIDA	Riviera Beach	Solitron Devices, Inc. 1177 Blue Heron Blvd.	33404	305-848-4311	510-952-6676
INTERNATIONAL					
					Telex
ENGLAND AND EUROPE	Bedminster	Solidev Ltd. Edison Road Elms Industrial Estate Bedford		(0732)60531	825461

SPR — SPRAGUE ELECTRIC COMPANY

	Zip Code	Telephone No.
SEMICONDUCTOR DIVISION		
115 Northeast Cutoff, Worcester, Massachusetts	01606	617-853-5000

THCF – THOMSON-CSF

			Zip Code	Telephone No.	Telex
DIVISION SEMICONDUCTEURS SESCOSEM 50, rue Jean Pierre Timbaud, BP120, Courbevoie, France			92403	788 50 01	SESCOM 61560 F
AUSTRALIA	Melbourne	Thomaus GPOB 3647X	3001	676363	THOMAUS.AA 31888
AUSTRIA	Wien	Transalpina Electronica Ltda Elisabethstrasse 8	A 1010	56.15.71	Inland 12 717
BELGIUM	Bruxelles 5	Thomson S.A.–N.V. Avenue Louisa 196A	B 1050	49.29.54	23 113
BRAZIL	Sao Paulo	Thomson CSF Componentes do brasil Avenue Ibirapuera 2572		61.64.83	EMBRALCL SP 309171 SAO PAULO
DENMARK	Copenhagen	Scan Supply 20 Nannasgade	2200	193 5030	9037
ENGLAND	London W5	Thomson-CSF (U.K.) Ltd. Bilton House Uxbridge Road Ealing		579 55 11	Tesafi 25 659
FINLAND	Helsinki 25	OY Sufra AB Ruusulankatu 20 A 12		49.01.37	Pierrejoly Helsinki
FRANCE	Aix En Provence	Sescosem Service Commercial 15, rue Camille Pelletan	13102	(91)27 98 15	41.665
	Saint Egreve	Sescosem Service Commercial	38120	(76)964848	
GERMANY	Munchen 25	Sescosem Halbleiter GmbH Fallstrasse 42	8000	89 73 10 42	522 916
ITALY	Milano	Mistral S.p.A. Via Melchiorre Gioia, 72	20.125	68 84 141	Ducati 31.042

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THCF — THOMSON-CSF (Cont'd)

			Zip Code	Telephone No.	Telex
DIVISION SEMICONDUCTEURS SESCOSEM 50, rue Jean Pierre Timbaud, BP120, Courbevoie, France			92403	788 50 01	SESCOM 61560 F
NORWAY	Oslo 6	Feiring AS Sandakervein 46 B. Nils Hansens Vei, 7 Box 4376, Toshov		(2) 686360	16 435 feiring 0
PORTUGAL	Lisbon	Sd. Com Rualdo Rua S. Jose 15		P.P.C. 33725	Rualdo 6447P Lisbonne
SOUTH AFRICA	Dunswart	Allied Electric Pty. Post Office Box 90		52.43.41	Solidstate Dunswart
	Alberton (Transvaal)	Comtek Post Office Box 57		869. 57.86	J-4376 34
SPAIN	San Juan Despi (Barcelona)	Componentes Electronicos S.A. Poligono Industrial, Fontsanta Calle, H.S/N		319.46.50	53077
SWEDEN	Solna 3	Elektrholm AB Dalvagen 12 S	17 103	82.02.80	19.389
SWITZERLAND	Berne 9	Modulator S.A. Fischerweg 11.13	CH3000	23 21 42	32.431
THE NETHERLANDS	La Haye	C.G.E. Compagnie Generale d'Electricita N.V. Koninginnegracht 64		60.88.10	31.045
U. S. A.	California	Nucleonic Products Company, Inc. 6660 Variel Avenue Canoga Park	91303	(213)887-1010	651.479

TSC — TELEDYNE SEMICONDUCTOR

			Zip Code	Telephone No.	TWX
WORLDWIDE HEADQUARTERS					
1300 Terra Bella Avenue, Mountain View, California			94043	415-968-9241	910-379-6494 Telex 34-8416
DOMESTIC OFFICES					
EAST COAST					
NEW YORK	Hauppauge	Teledyne Semiconductor 330 Motor Parkway Room 206	11787	516-231-9400	510-227-9861
MID-WEST					
ILLINOIS	Des Plaines	Teledyne Semiconductor 6600 North Mannheim Road	60018	312-299-6196	910-233-0897
INTERNATIONAL					
ENGLAND	Middlesex	Teledyne Semiconductor Ltd. Heathrow House Cranford, Hounslow		(44)01-897-2501	
HONG KONG	Kowloon	Teledyne Semiconductor 10, Sam Chuk Street San Po Kong		K-207764	Telex HX 3549
JAPAN	Tokyo	Teledyne Semiconductor Nehonseimei-Akasaka Bldg. (3F) 1-19,Akasaka 8-chome Minato-ku	107	(03)405-5738	Telex (781)2424241
WEST GERMANY	Tiengen	Teledyne Semiconductor Albert Gebhardtstrasse 32	7897	(49)(7741)5066	Telex (841)7921462
	Wiesbaden	Teledyne Semiconductor Burgstrasse 6-8	D-6200	06121-39171	Telex 418 6846

SECTION 15 MANUFACTURERS CODES, NAMES & ADDRESSES

QPL MFR. DESIG.	FSCM No.	DATA MFRS.' CODE	MANUFACTURERS' CODES, NAMES, AND ADDRESSES
	25055	ABA	Abacus Division, Information Control Corp., 9610 Bellanca Avenue, Los Angeles, Calif. 90045
		ALGG	**AEG-Telefunken, D-71 Heilbronn, Postfach 1042, West Germany**
		AMI	American Micro-Systems, Inc., 3800 Homestead Rd., Santa Clara, California 95051
		AMV	Advanced Micro Devices, Inc., 901 Thompson Place, Sunnyvale, Calif. 94086
		ANA	Analog Devices, Route 1, Industrial Park, P.O. Box 280, Norwood Mass. 02062
		BEC	Beckman Instruments, Inc., Helipot Div., 2500 Harbor Blvd., Fullerton, Calif. 92634
		BUB	Burr-Brown Research Corp., International Airport, Industrial Park, Tucson, Arizona 85734
	83594	BUR	Burroughs Corporation, P.O. Box 1226, Plainfield, New Jersey 07061
		CER	Cermetek, Inc., 660 National Avenue, Mountain View, California 94040
		CMI	CTS Microelectronics, Inc., 1201 Cumberland Ave., West Lafayette, Indiana 47906
	06900	DAC	DI/AN Controls, Inc., 944 Dorchester Ave., Boston, Massachsuetts 02125
	19645	DDC	DDC, 105 Wilbur Place, Airport International Plaza, Bohemia, New York 11716
	15476	DEC	Digital Equipment Corp., 146 Main Street, Maynard, Massachusetts 01754
		DIC	**Dickson Electronics Corp., P.O. Box 1390, Scottsdale, Arizona 85252**
		DIS	Discon Sales Corp., 1322 N.W. 14th Ave., Pompano Beach, Florida 33060
	14506	**DTC**	**Data Technology Corp., 2700 So. Fairview Rd., Santa Ana, Calif. 92704**
		EAI	Electronic Arrays, Inc., 501 Ellis Street, Mountain View, California 94040
	05170	EEC	Electronic Engineering Co. of California, Components Div., 1441 E. Chestnut Ave., Santa Ana, Calif. 92702
		ENC	Energy Conversion Devices, Inc., 1675 West Maple Rd., Troy, Michigan 48084
	12264	**FERB**	**Ferranti Ltd., Electronics Dept., Gem Mill, Chadderton, Oldham, Lancashire, England**
CFJ	07263	**FSC**	**Fairchild Semiconductor, 464 Ellis St., MS: 20-1066, Mountain View, California 94040**
CAKK	14936	GIC	General Instrument Corp., 600 W. John Street, Hicksville, New York 11802
		HAL	Halex, Inc., 3500 W. Torrance Blvd., Torrance, California 90509
	91417	HAS	Harris Semiconductor, P.O. Box 883, Melbourne, Florida 32902
	33256	HBC	Hybrid Systems Corp., 87 Second Avenue, Burlington, Massachusetts 01803
		INL	**Intersil, Inc., 10900 North Tantau Avenue, Cupertino, California 95014**
		INS	**Inselek, University Park Plaza, 743 Alexander Rd., Princeton, New Jersey 08540**
		INTG	Intermetall, Halbleiterwerk der Deutsche ITT Inc., GmbH, 78 Freiburg, Hans-Bunte Strasse 19, Germany
		IPI	★ Integrated Photomatrix, Inc., 1101 Bristol Road, Mountainside, New Jersey 07092
		ITI	Intech, Inc., 1220 Coleman Avenue, Santa Clara, California 95050
		ITL	**Intel Corporation, 3065 Bowers Ave., Santa Clara, California 95051**
CIT	15238	ITT	ITT Semiconductors, 3301 Electronics Way, West Palm Beach, Florida 33407
		ITTB	ITT Semiconductors, Footscray, Sidcup, Kent, England
		LED	Ledex, Inc., 123 Webster Street, Dayton, Ohio 45402
		MATJ	**Matsushita Electronics Corp., Semicon. Div., 1 Kotari-Yakemachi, Nagaokakyo, Kyoto 617, Japan**
		MITJ	Mitsubishi Electric Corp., Kita-Itami Works, 4-1 Mizuhara, Itami-Shi, Hyogo-Ken, Post Code 664, Japan
	50507	MNC	Micro Networks Corp., 5 Barbara Lane, Worcester, Massachusetts 01604
	20747	MON	Aydin Monitor Systems, 401 Commerce Dr., Fort Washington, Pa. 19034
CGG	04713	MOTA	Motorola Semiconductor Products, Inc., 5005 E. McDowell Rd., Phoenix, Arizona 85008

★ New Manufacturers

Manufacturers shown in bold print have local offices, which are included in Section 14 of this D.A.T.A.BOOK.

SECTION 15 MANUFACTURERS CODES, NAMES & ADDRESSES

QPL MFR. DESIG.	FSCM No.	DATA MFRS.' CODE	MANUFACTURERS' CODES, NAMES, AND ADDRESSES
		MULB	– Mullard Ltd., Mullard House, Torrington Place, London, WC1E 7HD, England (under PHIN, Sec. 14)
		NPC	– Nucleonic Products Co., Inc., 6660 Variel Ave., Canoga Park, California 91303
CCXP –	12040 –	NSC	– National Semiconductor, 2900 Semiconductor Drive, Santa Clara, California 95051
	26287 –	OEI	– Optical Electronics, Inc., Post Office Box 11140, Tucson, Arizona 85706
		OPT	– Optimax, Inc., P.O. Box 105, Advance Lane, Colmar, Pennsylvania 18915
		PHIN	**– N. V. Philips Gloeilampenfabrieken, Product Division Elcoma, Bldg. BF, Eindhoven, Netherlands**
		PLSB	**– Plessey Semiconductor, Cheney Manor, Swindon, Wiltshire, England**
	06665 –	PMI	– Precision Monolithics, Inc., 1500 Space Park Drive, Santa Clara, California 95050
		RAG	– Ragen Semiconductor, Inc., 53 South Jefferson Rd., Whippany, New Jersey 07981
CRC –	86684 –	RCA	– RCA Corporation, Solid State Div., Route 202, Somerville, New Jersey 08876
	12556 –	**RTCF**	**– R.T.C. La Radiotechnique-Compelec, 130, Avenue Ledru-Rollin, 75540 Paris Cedex 11, France** (also under PHIN, Sec. 14)
CRP –	21688 –	**RTN**	**– Raytheon Company, 350 Ellis Street, Mountain View, California 94042**
		SGAI	**– SGS-ATES Componenti Elettronici SPA, Via C. Olivetti, 20041 Agrate Brianza, Italy**
		SGL	– Silicon General, Inc., 7382 Bolsa Avenue, Westminister, California 92683
	18324 –	**SIC**	**– Signetics Corporation, 811 East Arques Ave., Sunnyvale, California 94086**
		SIEG	– Siemens Aktiengesellschaft, Semiconductor Div., Balanstrasse 73, 8000 Munich 8, Germany
CDBN –	17856 –	SIX	– Siliconix, Inc., 2201 Laurelwood Rd., Santa Clara, California 95054
		SOD	**– Solitron Devices, Inc., 8808 Balboa Avenue, San Diego, California 92123**
CSF –	56289 –	**SPR**	**– Sprague Electric Company, 115 Northeast Cutoff, Worcester, Mass. 01606**
	11911 –	SSE	– Solid State Electronics Corp., 15321 Rayen St., Sepulveda, California 91343
		SSS	– Solid State Scientific, Inc., Montgomeryville, Pennsylvania 18936
	51791 –	STK	– Statek Corp., 1200 Alavarez Ave., Orange, California 92668
	27318 –	SWM	– Stewart-Warner Microcircuits, Inc., 730 E. Evelyn Ave., Sunnyvale, California 94086
CCZX –	12498 –	TCY	– Teledyne Crystalonics, 147 Sherman St., Cambridge, Massachusetts 02140
CCAB –	03877 –	TEC	– Transitron Electronic Corp., 168-182 Albion St., Wakefield, Mass. 01880
		THCF	**– Thomson-CSF, Div. Semiconductors SESCOSEM, 101 Blvd. Murat, 75781 Paris Cedex 16, France**
CGO –	01295 –	TII	– Texas Instruments, Inc., MS5, P.O. Box 5012, Dallas, Texas 75222
		TIIB	– Texas Instruments, Ltd., Manton Lane, Bedford, England
		TIID	– Texas Instruments, Deutschland GmbH, 8050 Freising, Haggertystrasse, Germany
	95023 –	TPN	– Teledyne Philbrick, Allied Drive at Route 128, Dedham, Massachusetts 02026
		TRW	– TRW Monolithic ICs, 14520 Aviation Blvd., Lawndale, California 90260
	15818 –	**TSC**	**– Teledyne Semiconductor, 1300 Terra Bella Ave., Mountain View, California 94043**
		VALG	– Valvo GmbH, P.O. Box 993, D2000, Hamburg, Germany (under PHIN, Sec. 14)
		VEL	– Vectron Laboratories, Inc., 121 Water Street, Norwalk, Connecticut 06854
	07764 –	WLD	– Wyle Computer Products, Inc., 128 Maryland St., El Segundo, Calif. 90245
	17850 –	ZEL	– Zeltex, Inc., 940 Detroit Ave., Concord, Calif. 94518

CUSTOM CIRCUIT MANUFACTURERS

		AVD	– Aydin Vector Division, P.O. Box 328, Newtown, Pa. 18940
		IFD	– Integrated Frequency Devices, 4800 E. Indian School Rd., Phoenix, Arizona 85018
	80031–	MEP	– Mepco, Inc., Columbia Rd., Morristown, New Jersey 07960
CCYL –	14522 –	MSC	– Micro Semiconductor Corp., 11250 Playa Court, Culver City, California 90230
	05347 –	ULT	– Ultronix, 461 North 22nd, Grand Junction, Colorado 81502

★ **New Manufacturers**

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NOTES

We feel you may have some useful comments which deserve consideration for future editions.

SYMBOLS & CODES EXPLAINED

IN TYPE No. CROSS INDEX AND TECHNICAL SECTIONS

IN TYPE No. CROSS INDEX & TECHNICAL SECTIONS

△ # ☑ Indicators of separate manufacturers producing same type number (non–JEDEC) whose characteristics are not the same. This manufacturer–identifying symbol (assigned by D.A.T.A.) is an integral part of the type number (in Type No. Cross Index, Technical Data Sections) to avoid the possibility of confusing the device of one manufacturer with the devices of the others.

Example . . .

Type No.	Manufacturer	Description
DD31 △	CCD	Miscellaneous
DD31 #	CLC	Decoders
DD31 ☑	ZEL	Gates

–RT ... Suffix indicates device is a replacement type
Consult manufacturer for more information

#1, #2, ... The modifier is designated by D.A.T.A. to distinguish between type no. designations which give only one type no. but have more than one electrical function or package.

% – Different suffices for the same type number indicate availability of different packaging compositions; i.e., ceramic, plastics, silicone, etc. Consult manufacturer.

SYMBOLS & CODES COMMON TO MORE THAN ONE TECHNICAL SECTION

TYPE OF or USE COLUMN (Letter & Symbol Codes) (Following "Use No." or "Type OF" No.)

- A – Additional amplifiers included can be used separately
- B – Additional gating included can be used separately
- C – Additional inverter included can be used separately
- D – Clamped operation variable level capability
- E – With internally connected amplifiers
- F – With internally connected gating
- G – With internally connected inverters
- H – Incandescent number display included
- J – Neon numeric display included
- K – Complement input used
- L – Includes buffer register
- M – Manufacturer indicates gate will operate on either connective function by changing the logic level convention
- R – Reversible
- S – Both normal and inverted functions are available at separate output terminals
- T – Includes Multiplexer Input
- U – Variable or programmable modulo
- V – Device has latching capability

TEMPERATURE COLUMN

Indicates that the Type No. has more than one Temperature Range.

	WIDEST RANGE		NEXT NARROW		MOST NARROW	
	LOW	HIGH	LOW	HIGH	LOW	HIGH
T2	–55°C	125°C	–30°C	100°C		
T3	–55°C	125°C	0°C	75°C		
T5	–55°C	125°C	–30°C	100°C		
T7	–55°C	125°C	0°C	70°C		
T8	–55°C	125°C	0°C	75°C	15°C	125°C
T9	–55°C	125°C	0°C	100°C	15°C	55°C

OUTLINE DRAWING COLUMN (Letter Prefix)

- CB – Printed circuit board
- CN – TO5 type (not JEDEC outline)
- FC – Flat Pack Chip (not JEDEC outline)
- FP – Flat package (not JEDEC outline)
- M – Molded or encapsulated package not included in other catagories
- TO – Standard JEDEC outline
- ZB – Multiple package possibilities and drawing reference information
- ☑ – Package style-actual dimensions not specified
- △ – MO Standard Jedec Outline

LINE No.

- ▼ – New Type
- ♦ – Revised Specification
- # – Non Jedec Type Manufactured Outside U.S.A.

4. BINARY OR FLIP-FLOP

5. CLOCK OR MULTIVIBRATOR

1 TYPE OF FLIP-FLOP	1 TYPE OF M-V	5 MAX OPERATING FREQ (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC TYPE 2	FAN IN	FAN OUT MAX	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX RISE TIME tr (s)	MAX FALL TIME tf (s)	MAX TOTAL PKG DISS (W)	MAX NOISE REJECT (V)
1	2	3	4	5	6	7	8	9			10	11		12	13

(FOR LETTER SUFFIX SEE COMMON CODES)

Section 4 (Binary or Flip-Flop)
- 2 – J-K
- 3 – R-S
- 4 – R-S-T
- 5 – Shift Register
- 6 – T
- 7 – Complement RS
- 8 – D Type

Section 5 (Clock or Multivibrator)
- 1 – Astable
- 2 – Astable Synchronized
- 3 – Astable Variable
- 4 – Crystal Controlled
- 5 – Tuning Fork Controlled
- 6 – RC or LC Oscillator's

△ – Maximum clock rate
† – Maximum toggle frequency
% – Typical
* – At Temperature above 25°C
∅ – Minimum

3DM – 3D Module
DCM – Discrete component micro circuits
MOH – Monolithic integrated hybrid
MON – Monolithic integrated
MOS – MOS monolithic
PCB – Printed circuit board
PCM – PCB and 3DM
TFH – Thin film integrated hybrid
TFM – Thin film integrated

△ – Indicates complement outputs are available
† – Indicated value at maximum rated fan in
% – Minimum * – Maximum

△ – Indicated value at maximum rated fan out
† – Indicates values given are for output
% – Minimum
* – Maximum
# – Collector to emitter saturation voltage Vce (sat)

CDL – Capacitor Diode Logic
CML – Current Mode Logic
CMS – CMOS
CTL – Capacitor Transistor Logic
DDL – Diode Logic
DTL – Transistor Diode Logic (i.e., TDL)
ECT – Emitter Coupled Transistor Logic
ITL – Transformer Coupled Transistor Logic
MTL – Core Transistor Logic
NCH – N-Channel
PCH – P-Channel
RCT – Resistor Capacitor Transistor Logic
RDL – Resistor Diode Logic
RTL – Resistor Transistor Logic (i.e., TRL)
TFT – Thin Film Transistor Logic
TTL – Transistor Coupled Logic (i.e., TCL)
VTL – Variable Threshold Logic

(Per Circuit)
△ – Depends on input drive
† – Minimum
% – Maximum any unit has, others have fewer

△ – Minimum
† – Typical
☑ – Min. Input Pulse Width

† – Transition Time
% – Average propagation delay
△ – Maximum
☑ – Per Stage

△ – Power dissipation per circuit
† – Steady-state or 50% duty cycle at typical operating conditions
% – Quiescent power dissipation
§ – Maximum Operating Power Dissipation

(Number of Input Leads per Circuit, NOT the loading factor)
△ – Includes expandable terminal in number given
† – Maximum number any unit has, others have fewer

△ – Typical % – Db
† – Ratio * – Minimum
☑ – Input noise voltage
– Input noise in uV

SYMBOLS & CODES COMMON TO MORE THAN ONE TECHNICAL SECTION

TYPE OF or USE COLUMN (Letter & Symbol Codes) (Following "Use No." or "Type OF" No.)

- A – Additional amplifiers included can be used separately
- B – Additional gating included can be used separately
- C – Additional inverter included can be used separately
- D – Clamped operation variable level capability
- E – With internally connected amplifiers
- F – With internally connected gating
- G – With internally connected inverters
- H – Incandescent number display included
- J – Neon numeric display included
- K – Complement input used
- L – Includes buffer register
- M – Manufacturer indicates gate will operate on either connective function by changing the logic level convention
- R – Reversible
- S – Both normal and inverted functions are available at separate output terminals
- T – Includes Multiplexer Input
- U – Variable or programmable modulo
- V – Device has latching capability

TEMPERATURE COLUMN

Indicates that the Type No. has more than one Temperature Range.

	WIDEST RANGE		NEXT NARROW		MOST NARROW	
	LOW	HIGH	LOW	HIGH	LOW	HIGH
T2	−55°C	125°C	−30°C	100°C		
T3	−55°C	125°C	0°C	75°C		
T5	−55°C	125°C	−30°C	100°C		
T7	−55°C	125°C	0°C	70°C		
T8	−55°C	125°C	0°C	75°C	15°C	125°C
T9	−55°C	125°C	0°C	100°C	15°C	55°C

OUTLINE DRAWING COLUMN (Letter Prefix)

- CB – Printed circuit board
- CN – TO5 type (not JEDEC outline)
- FC – Flat Pack Chip (not JEDEC outline)
- FP – Flat package (not JEDEC outline)
- M – Molded or encapsulated package not included in other catagories
- TO – Standard JEDEC outline
- ZB – Multiple package possibilities and drawing reference information
- ☐ – Package style-actual dimensions not specified
- △ – MO Standard Jedec Outline

LINE No.

- ▼ – New Type
- ♦ – Revised Specification
- # – Non Jedec Type Manufactured Outside U.S.A.

6. COUNTERS

1 TYPE OF COUNTER	5 MAX OPERATING FREQ (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	FAN TYPE 2	FAN IN	FAN OUT MAX	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX RISE TIME tr (s)	MAX FALL TIME tf (s)	MAX TOTAL PKG DISS (W)	MAX NOISE REJECT (V)
1	2	3	4	5	6	7	8	9		10		11	12	

(FOR LETTER SUFFIX SEE COMMON CODES)

1
- 1 – Binary Coded Decimal
- 2 – Binary
- 3 – Decimal
- 4 – Fast Carry
- 5 – Ring
- 6 – Special
- 7 – Hexadecimal

2
- △ – Maximum clock rate
- † – Maximum toggle frequency
- % – Typical
- * – At Temperature above 25°C
- ∅ – Minimum

3
- 3DM – 3D Module
- DCM – Discrete component micro circuits
- MOH – Monolithic integrated hybrid
- MON – Monolithic integrated
- MOS – MOS monolithic
- PCB – Printed circuit board
- PCM – PCB and 3DM
- TFH – Thin film integrated hybrid
- TFM – Thin film integrated

4
- △ – Indicates complement outputs are available
- † – Indicated value at maximum rated fan in
- % – Minimum
- * – Maximum
- # – Peak to peak

5
- △ – Indicated value at maximum rated fan out
- † – Indicates values given are for output
- % – Minimum
- * – Maximum
- # – Collector to emitter saturation voltage Vce (sat)

6
- CDL – Capacitor Diode Logic
- CML – Current Mode Logic
- CMS – CMOS
- CTL – Capacitor Transistor Logic
- DDL – Diode Logic
- DTL – Transistor Diode Logic (i.e., TDL)
- ECT – Emitter Coupled Transistor Logic
- ITL – Transformer Coupled Transistor Logic
- MTL – Core Transistor Logic
- NCH – N-Channel
- PCH – P-Channel
- RCT – Resistor Capacitor Transistor Logic
- RDL – Resistor Diode Logic
- RTL – Resistor Transistor Logic (i.e., TRL)
- TFT – Thin Film Transistor Logic
- TTL – Transistor Coupled Logic (i.e., TCL)
- VTL – Variable Threshold Logic

7
- (Number of Input Leads per Circuit, NOT the loading factor)
- △ – Includes expandable terminal in number given
- † – Maximum number any unit has, others have fewer

8
- (Per Circuit)
- △ – Depends on input drive
- † – Minimum
- % – Maximum any unit has, others have fewer

9
- † – Transition Time
- % – Average propagation delay
- △ – Maximum
- ☐ – Per Stage

10
- △ – Minimum
- † – Typical

11
- △ – Power dissipation per circuit
- † – Steady-state or 50% duty cycle at typical operating conditions
- % – Quiescent power dissipation
- § – Maximum Operating Power Dissipation

12
- △ – Typical
- % – Db
- † – Ratio
- * – Minimum
- ☐ – Input noise voltage
- # – Input noise in uV

7. DECODERS

DECODES 1 FROM	DECODES 2 TO	5 MAX OPERATING FREQ (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	No OF LINES IN	No OF LINES OUT	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	TRANSITION TIME (s)	RISE TIME tr (s)	FALL TIME tf (s)	MAX TOTAL POWER DISS (W)	MAX NOISE REJECT (V)
1	2	3	4	5	6	7		8			9		10	

(FOR LETTER SUFFIX SEE COMMON CODES)

1 2
- 1– Binary
- 2– Binary Coded Decimal
- 3– Bi-Quinary
- 4– Decimal
- 5– Excess 3 Code
- 6– Gray Code
- 8– Octal
- 9– Quartenary
- 10– Quinary
- 17– 8421 Code
- 18– One of "x" number of lines
- 19– Two of "x" number of lines
- 20– 7 Segment
- 21– Excess three gray code
- 22– 8 Segment
- 23– Three of "x" No. of lines

2
- △ – Drives numeric neon indicator
- † – Drives incandescent indicator
- % – Converts to and from other codes
- * – Includes Output Driver

3
- △ – Maximum clock rate
- † – Maximum toggle frequency
- % – Typical
- * – At Temperature above 25°C
- ∅ – Minimum

4
- 3DM – 3D Module
- DCM – Discrete component micro circuits
- MOH – Monolithic integrated hybrid
- MON – Monolithic integrated
- MOS – MOS monolithic
- PCB – Printed circuit board
- PCM – PCB and 3DM
- TFH – Thin film integrated hybrid
- TFM – Thin film integrated

5
- △ – Indicates complement outputs are available
- † – Indicated value at maximum rated fan in
- % – Minimum
- * – Maximum

6
- △ – Indicated value at maximum rated fan out
- † – Indicates values given are for output
- % – Minimum
- * – Maximum
- # – Collector to emitter Saturation Voltage Vce (sat)

7
- (Number includes Complementary Lines)
- △ – Use of complement lines is optional
- † – Complement lines must be used for proper operation

8
- △ – Minimum
- † – Typical

9
- △ – Power dissipation per circuit
- † – Steady-state or 50% duty cycle at typical operating conditions
- % – Quiescent power dissipation
- § – Max. Operating Power Dissipation

10
- △ – Typical
- % – Db
- † – Ratio
- * – Minimum
- ☐ – Input noise voltage
- # – Input noise in uV

TRANSITION TIME
- † – Propagation Delay
- % – Average Transition Time
- △ – Maximum
- ☐ – Per Stage

SYMBOLS & CODES COMMON TO MORE THAN ONE TECHNICAL SECTION

TYPE OF or USE COLUMN (Letter & Symbol Codes) (Following "Use No." or "Type OF" No.)

- A – Additional amplifiers included can be used separately
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- J – Neon numeric display included
- K – Complement input used
- L – Includes buffer register
- M – Manufacturer indicates gate will operate on either connective function by changing the logic level convention
- R – Reversible
- S – Both normal and inverted functions are available at separate output terminals
- T – Includes Multiplexer Input
- U – Variable or programmable modulo
- V – Device has latching capability

TEMPERATURE COLUMN

Indicates that the Type No. has more than one Temperature Range.

	WIDEST RANGE		NEXT NARROW		MOST NARROW	
	LOW	HIGH	LOW	HIGH	LOW	HIGH
T2	−55°C	125°C	−30°C	100°C		
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T5	−55°C	125°C	−30°C	100°C		
T7	−55°C	125°C	0°C	70°C		
T8	−55°C	125°C	0°C	75°C	15°C	125°C
T9	−55°C	125°C	0°C	100°C	15°C	55°C

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- △ – MO Standard Jedec Outline

LINE No.

- ▼ – New Type
- ♦ – Revised Specification
- # – Non Jedec Type Manufactured Outside U.S.A.

8. GATES

1 TYPE OF GATE	5 MAX OPERATING FREQ (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	TYPE	FAN IN	FAN OUT	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	PROPAGATION DELAY (s)	MAX RISE TIME tr (s)	MAX FALL TIME tf (s)	MAX TOTAL PKG DISS (W)	MAX NOISE REJECT (V)
1	2	3	4	5	6	7	8	8		9	10		11	12

(FOR LETTER SUFFIX SEE COMMON CODES)

1
- 1 – AND
- 2 – OR
- 3 – NOR
- 4 – NAND
- 5 – Exclusive OR
- 6 – Gate Expander
- 7 – Exclusive NOR

2
- △ – Maximum clock rate
- † – Maximum toggle frequency
- % – Typical
- * – At Temperature above 25°C
- ∅ – Minimum

3
- 3DM – 3D Module
- DCM – Discrete component micro circuits
- MOH – Monolithic integrated hybrid
- MON – Monolithic integrated
- MOS – MOS monolithic
- PCB – Printed circuit board
- PCM – PCB and 3DM
- TFH – Thin film integrated hybrid
- TFM – Thin film integrated

4
- △ – Indicates complement outputs are available
- † – Indicated value at maximum rated fan in
- % – Minimum
- * – Maximum

5
- △ – Indicated value at maximum rated fan out
- † – Indicates values given are for output
- % – Minimum
- # – Collector to emitter saturation voltage Vce (sat)
- * – Maximum

6
- CDL – Capacitor Diode Logic
- CML – Current Mode Logic
- CMS – CMOS
- CTL – Capacitor Transistor Logic
- DDL – Diode Logic
- DTL – Transistor Diode Logic (i.e., TDL)
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- ITL – Transformer Coupled Transistor Logic
- MTL – Core Transistor Logic
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- PCH – P-Channel
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7
(Number of Input Leads per Circuit, NOT the loading factor)
- △ – Includes expandable terminal in number given
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8
(Per Circuit)
- △ – Depends on input drive
- † – Minimum
- % – Maximum any unit has, others have fewer

9
- † – Transition Time
- % – Average Propagation delay
- △ – Maximum
- ☑ – Per Stage

10
- △ – Minimum
- † – Typical

11
- △ – Power dissipation per circuit
- † – Steady-state or 50% duty cycle at typical operating conditions
- % – Quiescent power dissipation
- § – Max. Operating Power Dissipation

12
- △ – Typical
- % – Db
- † – Ratio
- * – Minimum
- ☑ – Input noise voltage
- # – Input noise in uV

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TYPE OF or USE COLUMN (Letter & Symbol Codes) (Following "Use No." or "Type OF" No.)

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- T – Includes Multiplexer Input
- U – Variable or programmable modulo
- V – Device has latching capability

TEMPERATURE COLUMN

Indicates that the Type No. has more than one Temperature Range.

	WIDEST RANGE		NEXT NARROW		MOST NARROW	
	LOW	HIGH	LOW	HIGH	LOW	HIGH
T2	−55°C	125°C	−30°C	100°C		
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T5	−55°C	125°C	−30°C	100°C		
T7	−55°C	125°C	0°C	70°C		
T8	−55°C	125°C	0°C	75°C	15°C	125°C
T9	−55°C	125°C	0°C	100°C	15°C	55°C

OUTLINE DRAWING COLUMN (Letter Prefix)

- CB – Printed circuit board
- CN – TO5 type (not JEDEC outline)
- FC – Flat Pack Chip (not JEDEC outline)
- FP – Flat package (not JEDEC outline)
- M – Molded or encapsulated package not included in other catagories
- TO – Standard JEDEC outline
- ⧉B – Multiple package possibilities and drawing reference information
- ⍁ – Package style-actual dimensions not specified
- △ – MO Standard Jedec Outline

LINE No.

- ▼ – New Type
- ♦ – Revised Specification
- # – Non Jedec Type Manufactured Outside U.S.A.

10. TIME DELAY

1 TIME DELAY TYPE	5 MAX OPERATING FREQ (Hz)	PROCESS	LOGIC LEVEL 3 '1' (V)	LOGIC LEVEL 4 '0' (V)	LOGIC LEVEL TYPE 2	FAN IN	FAN OUT MAX	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	MIN DELAY (s)	MAX RISE TIME tr (s)	MAX FALL TIME tf (s)	MAX TOTAL PKG DISS (W)	MAX NOISE REJECT (V)	12
1	2	3	4	5	6	7	8			9	10		11		

1 (FOR LETTER SUFFIX SEE COMMON CODES)

- 1 – Delay Line Fixed
- 2 – Delay Line Tapped
- 3 – Delay Line Continuously Variable
- 4 – Mono-stable Multivibrator Fixed Delay
- 5 – Mono-stable Multivibrator Variable Delay

2

- △ – Maximum clock rate
- † – Maximum toggle frequency
- % – Typical
- * – At Temperature above 25°C
- ∅ – Minimum

3

- 3DM – 3D Module
- DCM – Discrete component micro circuits
- MOH – Monolithic integrated hybrid
- MON – Monolithic integrated
- MOS – MOS monolithic
- PCB – Printed circuit board
- PCM – PCB and 3DM
- TFH – Thin film integrated hybrid
- TFM – Thin film integrated

4

- △ – Indicates complement outputs are available
- † – Indicated value at maximum rated fan in
- % – Minimum
- * – Maximum

5

- △ – Indicated value at maximum rated fan out
- † – Indicates values given are for output
- % – Minimum
- # – Collector to emitter saturation voltage Vce (sat)
- * – Maximum

6

- CDL – Capacitor Diode Logic
- CML – Current Mode Logic
- CMS – CMOS
- CTL – Capacitor Transistor Logic
- DDL – Diode Logic
- DTL – Transistor Diode Logic (i.e., TDL)
- ECT – Emitter Coupled Transistor Logic
- ITL – Transformer Coupled Transistor Logic
- MTL – Core Transistor Logic
- NCH – N-Channel
- PCH – P-Channel
- RCT – Resistor Capacitor Transistor Logic
- RDL – Resistor Diode Logic
- RTL – Resistor Transistor Logic (i.e., TRL)
- TFT – Thin Film Transistor Logic
- TTL – Transistor Coupled Logic (i.e., TCL)
- VTL – Variable Threshold Logic

7 (Number of Input Leads per Circuit, NOT the loading factor)

- △ – Includes expandable terminal in number given
- † – Maximum number any unit has, others have fewer

8 (Per Circuit)

- △ – Depends on input drive
- † – Minimum
- % – Maximum any unit has, others have fewer

9

- † – Transition Time
- % – Average propagation delay
- △ – Maximum
- ⍁ – Per Stage
- $ – Typical

10

- △ – Minimum
- † – Typical
- ⍁ – Min. Input Pulse Width

11

- △ – Power dissipation per circuit
- † – Steady-state or 50% duty cycle at typical operating conditions
- % – Quiescent power dissipation
- § – Max. operating power dissipation

12

- △ – Typical
- † – Ratio
- ⍁ – Input noise voltage
- # – Input noise in uV
- % – Db
- * – Minimum

11. MISCELLANEOUS

1 USE	4 MAX OPERATING FREQ (Hz)	PROCESS	LOGIC LEVEL 2 '1' (V)	LOGIC LEVEL 3 '0' (V)	POWER SUPPLY SPAN NEG (V)	POWER SUPPLY SPAN POS (V)	MAX TOTAL PKG DISS (W)	GENERAL DESCRIPTION	7
1	2	3	4	5			6		

1 (FOR LETTER SUFFIX SEE COMMON CODES)

1. Analog to digital converter
2. Digital to analog converter
3. Full-Adder
4. Half-Adder
5. Interface converter
6. Inverter
7. Logic level converter
9. Schmitt trigger
10. Incandescent lampdriver
11. Neon and display tube driver
12. Relay driver
13. Head selector
14. Mode selector
15. Special purpose circuit
16. Binary divider
17. Analog gate switch
19. Sense amplifiers
20. Logic amplifiers and driver
21. Line drivers/transmitters
22. Line receivers
23. Clock drivers
24. Switch drivers
25. High power devices
26. Diode arrays and networks
27. Transistor arrays
28. Binary multiplier/Shifter
29. Rate Multipliers
30. Multiplexer/selector demultiplexer
31. ALU's
32. Comparator
33. Parity generator-checker
34. Latches
35. Decoder/encoder
36. Sample/hold
37. Look-ahead carry generator
38. Switches

2

- △ – Maximum clock rate
- † – Maximum toggle frequency
- % – Typical
- * – At Temperature above 25°C
- ∅ – Minimum
- ⍁ – Gain bandwidth product (ft)

3

- 3DM – 3D Module
- DCM – Discrete component micro circuits
- MOH – Monolithic integrated hybrid
- MON – Monolithic integrated
- MOS – MOS monolithic
- PCB – Printed circuit board
- PCM – PCB and 3DM
- TFH – Thin film integrated hybrid
- TFM – Thin film integrated

4

- △ – Indicates complement outputs are available
- † – Indicated value at maximum
- ∅ – PIV peak inverse voltage
- ⍁ – Breakdown voltage collector to emitter BV ceo
- % – Minimum
- * – Maximum
- # – Peak to peak
- $ – Breakdown voltage Gate to Source

5

- △ – Indicated value at maximum rated fan out
- † – Indicates values given are for output
- % – Minimum
- * – Maximum
- # – Collector to emitter saturation voltage Vce (sat)

6

- △ – Power dissipation per circuit
- † – Steady-state or 50% duty cycle at typical operating conditions
- % – Quiescent power dissipation
- § – Max. operating power dissipation

7

A	– Gain	OSC	– Oscillator
AMP	– Amplifiers	PCH	– P-Channel
B	– Base	POS	– Positive
BD	– Board	PROP	– Propagation
C	– Collector	Rds	– Drain-Source On-Resistance
CKT	– Circuit	RES	– Resistor
CL	– Clamped	RESP	– Respectively
CMS	– CMOS	RT	– Rating
COM	– Common	SENS	– Sensitivity
COMP	– Complement	SW	– Switch
CONT	– Contract	Toff	– Turn Off Delay Time
CONV	– Converter	Ton	– Turn On Delay Time
DEC	– Decimal	T_{pd}	– Propagation Time
E	– Emitter	T_{rec}	– Recovery Time
FLTG	– Floating	T_{op}	– Operating Time
Fo	– Fan Out	T_{rel}	– Release Time
GRD	– Ground	VIO	– Input Offset Voltage
INT	– Internally Connected	VoH	– High Output Voltage
INCL	– Included	VoL	– Low Output Voltage
INV	– Inverter	ΔVo	– Output Voltage Swing
Io	– Output Current	Vth	– Differential Input Threshold Voltage
LD	– Load	W/	– With
MTX	– Matrix		
NC	– No Connection		
NCH	– N-Channel		
NEG	– Negative		

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	SP631	÷10	500 MHz
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